

COMMENCEMENT



MASSACHUSETTS INSTITUTE OF TECHNOLOGY

ONLINE CELEBRATION PROGRAM
HONORING THE GRADUATES OF 2021
FRIDAY, JUNE 4, 2021



WELCOME

A warm welcome to MIT Commencement 2021! In celebrating our graduates, we also honor their incredible courage and resilience in persevering through a year of intense disruptions and all the burdens of the pandemic. And we extend our deepest thanks to their families and friends, whose love, inspiration, and encouragement carried our students to this important moment.

Today's graduates will join a global family of more than 143,000 MIT alumni around the world. Across time and across distance, MIT is a community held together by profound values: The ideals of excellence, integrity, meritocracy, and openness. A passion for solving tough problems. A commitment to take the high road. And a rare set of skills that can be applied in countless ways to serve the common good.

As we congratulate our new graduates on all they have accomplished, we dream of the wiser and kinder world they can help create.

L. Rafael Reif
President

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Photos
Cover: Andy Ryan
Above: Christopher Harting

ORDER OF THE PROGRAM

OPENING

DIARY OF A PANDEMIC YEAR
Composed by Jamshied Sharifi '83

Conducted by Frederick E. Harris, Jr.

Lyrics based on poetry by
Sophia D-G '22; Patricia Gao '21;
Cynthia Hua, Affiliated Research
Assistant, Media Arts and Sciences;
Moana Minton Meadow '02; Maisha M.
Promé '21; and Kareena Villalobos '22

Poetry compiled and edited by Erica
Funkhouser, MIT Comparative Media
Studies/Writing

Performed by
MIT Wind Ensemble & MIT Festival
Jazz Ensemble
Frederick E. Harris, Jr., Music Director
MIT Symphony Orchestra
Adam K. Boyles, Music Director
MIT Concert Choir
William Cutter, Music Director
MIT Vocal Jazz Ensemble
Laura Grill Jaye, Music Director
Rambax MIT
Lamine Touré, Music Director

With students from
The Chorallaries of MIT
The MIT Logorhythms
MIT Syncopasian
The MIT Asymptones
MIT Resonance

WELCOME

Diane B. Greene SM '78
Chair, MIT Corporation

INVOCATION

Reverend Thea Keith-Lucas
Interim Chaplain to the Institute

COMMENCEMENT ADDRESS

Bryan Stevenson
*Founder and Executive Director,
Equal Justice Initiative*

VIDEO: THE CLASS OF 2021 LOOKS BACK

Produced by MIT Video Productions

SALUTE

Madeleine Sutherland
*President, MIT Graduate Student Council
2020-2021*

SALUTE AND TURNING OF THE CLASS RING

Kofi Blake
President, MIT Class of 2021

GREETINGS FROM PALMER STATION, ANTARCTICA

Daniel Lowenstein
*PhD student in the MIT-WHOI Joint
Program in Oceanography/Chemical
Oceanography*
*Research Assistant, Woods Hole
Oceanographic Institution*

CHARGE TO THE GRADUATES AND CONFERRING OF DEGREES

L. Rafael Reif
President, MIT

SALUTE FROM THE FACULTY

Sangeeta N. Bhatia SM '93 PhD '97
*John J. and Dorothy Wilson Professor of
Engineering, MIT*

WELCOME INTO THE MIT ALUMNI ASSOCIATION

Charlene C. Kabcenell '79
President, MIT Alumni Association

CLOSING REMARKS

Diane B. Greene SM '78
Chair, MIT Corporation

SCHOOL SONG

Led by the Chorallaries of MIT

ONLINE

DOWNLOADS

The MIT Parents Association invites you to celebrate the graduates of 2021 with its [Commencement Party Kit](#). The kit includes downloadable party decorations, Zoom backgrounds, music, a discount code to the COOP, and more, courtesy of the MIT Alumni Association.

SOCIAL MEDIA

Tag your social media posts with #MIT2021. Connect on Twitter (@MIT, @MITCommencement, @MITStudents, @MIT_Alumni), Instagram (MITpics, MITStudents, MITalumni), and Facebook (Facebook.com/MITnews, Facebook.com/MITAA). Go to socialmediahub.mit.edu to experience the day through MIT social media accounts.

VIRTUAL PHOTO BOOTH

Celebrate Commencement with a photo "at" an iconic campus location: the [virtual photo booth](#) interface will walk you through taking a selfie, adding a background and stickers, and sharing your photo with friends and family.

The virtual photo booth can be accessed via any device with a camera: computer, tablet, or smart phone; no application download necessary. It will be available until 12 noon EDT on June 18.

INFINITE THANKS

To the speakers, musicians, hosts, planners, producers, and all who applied mind, hand, and heart to the creation of Commencement 2021. Credits, acknowledgments, and video from today's proceedings are available online: commencement.mit.edu

SCHOOL OF ARCHITECTURE AND PLANNING

Bachelor of Science in Architecture

Course IV

Department of Architecture

Caleb Akoto Amanfu

Also with a Major in Course II-A

Jacqueline S. Chen

Daniel K. Landez

Also with a Major in Course XXI-M

Dong Nyung Lee

Jaime Nat Osuna

Also with a Major in Course XXI

Vanessa T. Pipitone

Minor in Environment and Sustainability

Yi Yang

Bachelor of Science in Art and Design

Course IV-B

Department of Architecture

Alejandro Gonzalez Placito

(February, 2021)

Seo Yeon Kwak

Clare Liu

Minor in Computer Science

Bachelor of Science in Planning

Course XI

*Department of Urban Studies and
Planning*

Tracy Denise Sorto

Miriam Imani Wahid

Also with a Major in Course XXI-W

Bachelor of Science in Urban Science and Planning with Computer Science

Course XI-6

*Department of Urban Studies and
Planning*

Avital Vainberg

SCHOOL OF ENGINEERING

Bachelor of Science in Civil Engineering

Course I-C

Department of Civil and Environmental Engineering

Constantinos Tsoucalas

Bachelor of Science in Engineering as recommended by the Department of Civil and Environmental Engineering

Course 1-ENG

Department of Civil and Environmental Engineering

Luke Bastian

Minor in Economics
Minor in Computer Science

Aron M. Brenner

Also with a Major in Course XVIII

Samantha A. Burnell

Emily Pearl Condon

Minor in Literature

Ashwin Nivas Datta

Minor in Political Science

Gabriel de los Santos Schwartz

Peter A. Duff

(February, 2021)

Kayleigh Simone Dugas

Minor in Women's and Gender Studies

Rayna C. Higuchi

Claire Elizabeth Holley

Minor in Architecture
(See also M.Eng., Course I-P)

Magreth D. Kakoko

Jarek Vincent Kwiecinski

Sabrina J. Madera

Minor in Architecture

Adelynn H. Paik

Zachary T. Roberts

Minor in Statistics and Data Science

Alexandra Carolina Rodríguez

Chiharu Chelsea Watanabe

Minor in Finance

Claire L. Yost

Minor in Environment and Sustainability

Bachelor of Science in Mechanical Engineering

Course II

Department of Mechanical Engineering

Jacynth Tate Y. Agraan

Alex Aguilar

(September, 2020)

Salem J. Ali

(February, 2021)

Kailey A. Allen

Thomas B. Allison

Marcus M. Badgett

Andrew Barron Callahan

Manuel Alejandro Encinas Maqueda

Minor in Energy Studies

Annetoinette O. Figueroa

Audrey Charlotte Gaither

Samuel J. Gantman

Armando J. Garcia

Dani Gonzalez

Minor in Biomedical Engineering

Darya C. Guettler

Also with a Major in Course XVII

Maxwell E. Halkenhauser

Matthew S. Hambacher

Minor in Computer Science

Laura Y. Huang

Shantanu S. Jakhete

Minor in Political Science

Minsu Jung

Sheila Kennedy-Moore

Minor in Environment and Sustainability

Melissa Agnes Klein

Also with a Major in Course XXI-M

Flora M. Klise

Benjamin C. Koenig

Zachery Wolfgang Kutschke

(February, 2021)

Sandra Li

Minor in Design
(February, 2021)

Cole R. Linnus

Hannah Karin Mahaffey

Minor in Economics

Kai P. Maier

Minor in Computer Science

Charlotte Anderson Maloney

Minor in Comparative Media Studies

Garrett Memoli

Isabella M. Montanaro

(February, 2021)

Cyanna Maria Veronica Moody

Alejandra M. Navarro Reyes

Abdalla O. Osman
Minor in Energy Studies

Nisal H. Ovitigala

Joushua G. Padilla

Arnav Y. Patel
Minor in Energy Studies

Anupama Phatak
Minor in Economics

Max M. Raven
Minor in Management

Rolando Rodarte
Minor in Biology
Minor in Energy Studies
(February, 2021)

Alexander J. Salisbury

Swochchhanda Shrestha
Minor in Environment and Sustainability

Robert S. Silvestri

Emily Irene Skilling
Minor in Design

Carmen Mary Sleight

Margaret E. Sullivan
(February, 2021)

Jonathan N. Tagoe

Sachin Thapa

Jimmy T. Tran
Minor in Economics

Anthony T. Troupe

Alyssa A. Wells-Lewis
Minor in Music

**Bachelor of Science in
Mechanical and Ocean
Engineering**

Course II
*Department of Mechanical
Engineering*

Anthony C. Kriezis
Also with a Major in Course XIV-2
Minor in Computer Science

Alejandro Andrés Miranda Lastra

**Bachelor of Science in
Engineering as recommended
by the Department of
Mechanical Engineering**

Course II-A
*Department of Mechanical
Engineering*

Hannah Elizabeth Adams
Minor in Computer Science

Thomas O. Adebisi
Minor in Design

Luisa Fernanda Apolaya Torres
Minor in Theater Arts

Benjamin L. Bennington
(February, 2021)

Smita Bhattacharjee
Minor in Entrepreneurship & Innovation
Minor in International Development

Roberto A. Bolli, Jr.
Also with a Major in Course VI-7

Courtney Elizabeth Byrne

Geneva M. Casalegno
Minor in Environment and Sustainability

Hunter K. Celio

Jenny Chan

George Chunfeng Chen
Minor in Computer Science

Lucy Seokyoung Cho

Emily Miller-Larabee Colby

Orisa Z. Coombs
Minor in Entrepreneurship & Innovation

Daysia V. Douglas

Gabrielle Karen Enns

Megan Camille Flynn

Qiyun Gao
Minor in Computer Science

Gabriella Garcia
(February, 2021)

Amanda N. Garofalo
(February, 2021)

Aaron Andres Garza
Minor in Computer Science

Caela Gabrielle Gomes
(September, 2020)

Daniel E. González Díaz

Nicole Michelle Goridkov

Miki O. Hansen

Milo J. Hooper

Johnson Nam Huynh
Minor in Materials Science and Engineer-
ing

Sridevi Kaza

Emma Rosz Kelley

Pedro Leandro La Rotta Nuñez

Lani Dakyoung Lee
Minor in Music

G. Casimir Lesperance

Cecilia Alessandra Luna

Uriel Magana-Salgado

Scott B. Mandelbaum
(February, 2021)

Jose A. Martinez

Antonella Masini Ortiz

Rebecca G. McCabe

Zion M. Moore
Minor in Theater Arts
(February, 2021)

Branden J. Morioka
(February, 2021)

Chloe Alexandra Nelson-Arzuaga
Also with a Major in Course IV-B

Emily Niu
Minor in Economics

Joyce Noh

David I. Onyemelukwe
Minor in Theater Arts
(September, 2020)

Isioma Osubor
Minor in Management
Minor in Literature

Josh P. Patel
Minor in Finance

Jadorian J. Paul
(February, 2021)

Rosalie C. Phillips
Minor in Design

Francisco A. Pineda
(September, 2020)

Elim D. Poon
Minor in Computer Science

Tyler D. Ray

Rima Rebei

Rostam Matthew Reifschneider

Alexandra Marie Reinhart

Elizabeth Murphy Rickeman
Minor in Statistics and Data Science

Benjamin Rodriguez
Minor in Computer Science

Brittany Lauren Sacks
(February, 2021)

Jason G. Santillan Fausto
Minor in Computer Science

Christian Cody Schillinger

Gabriel M. Scimeme
(February, 2021)

Miana Mae Chi Smith
(February, 2021)

Antoni A. Soledad

Varsha R. Sridhar

Hayden Woods Stalter

Jordan Lawrence Tappa
Minor in Theater Arts
Minor in Design

Riley K. Terando

Gabriel A. Terrasa, Jr.
Also with a Major in Course XXI-M

Max T. Thomsen

Sebastian L. Uribe

Aline A. Vargas Manriquez
(February, 2021)

Leah M. Vogel

Catherine Grace Waft

Sebastien X. Wah

Jessica C. Wang
(February, 2021)

Wenhao Wang

Xiqing Wang
(February, 2021)

Jessica E. Xu

Jessica J. Yen
(February, 2021)

Jiaheng Zhang

Willie Zhu

**Bachelor of Science in Materials
Science and Engineering**

Course III

*Department of Materials Science
and Engineering*

Abdulmalik Alghonaim

Adira Tova Yermish Balzac

Clio Batali
Minor in History of Architecture, Art and
Design
Minor in Chemistry

Richard D. Colwell
Minor in Environment and Sustainability

Tyler James Curry

Christopher M. Eschler
Minor in Energy Studies

Alexander Laurence Evenchik
Minor in Biology
Minor in Chinese

Autumn R. L. Geil
Minor in Music

Eryn M. Gillam

Danielle N. Grey-Stewart
(February, 2021)

Emma L. Griffiths

Spencer Hu

Nicholas Domingo Ignacio

Grace C. Moore
(February, 2021)

Richard A. Osterude Rey
Minor in Computer Science

Rahul Ramakrishnan
(February, 2021)

Ella Vivian Richards
(February, 2021)

Mathew J. Suazo
(February, 2021)

Ava W. Waitz
Minor in Energy Studies

**Bachelor of Science as
recommended by the
Department of Materials
Science and Engineering**
Course III-A
*Department of Materials Science
and Engineering*

Lauren C. Cooper
Also with a Major in Course VIII

Alby John Joseph
Also with a Major in Course V

Anders Nicholas Khaykin
Also with a Major in Course XIV-1
Minor in Finance

James Yosef Philips
Minor in Asian and Asian Diaspora
Studies

Tafsia S. Shikdar
Minor in Political Science
(February, 2021)

**Bachelor of Science in Electrical
Science and Engineering**
Course VI-1
*Department of Electrical
Engineering and Computer
Science in conjunction with the
Schwarzman College of Computing*

Thomas P. Benavides

Jack Bouhanna
Also with a Major in Course XXI-M

Colin Paul Chaney

Samuel B. Chinnery

Jackson M. Gray

Jose C. Guajardo

Petra-Juliahn Evelyn Hernandez

Nancy Yahel Hidalgo

Brandon V. John
(February, 2021)

Jaeyoung Jung
Minor in Mechanical Engineering

Mario A. Lopez
(February, 2021)

Ryan H. Mansilla
Minor in French

Brandon T. Motes

Elaine Ng
Also with a Major in Course VIII

Victor C. Oliveira

Stuart Dillon Powell

Luke Qi
Also with a Major in Course VIII

James Edwin Quigley
Minor in Chinese
(February, 2021)

Erick Rodriguez
(February, 2021)

Osvy Rodriguez

Bradley Alan Seymour
Minor in History
(February, 2021)

Lara E. Shonkwiler

Andrew M. Sorenson
Also with a Major in Course VIII

Charles Wang
Also with a Major in Course VIII
Minor in Economics
Minor in Mathematics

Mikaeel M. Yunus
Also with a Major in Course VIII
Minor in Mathematics
Minor in Music
(February, 2021)

**Bachelor of Science in Electrical
Engineering and Computer
Science**

Course VI-2
*Department of Electrical
Engineering and Computer
Science in conjunction with the
Schwarzman College of Computing*

Liam J. Ackerman

Connor W. Anderson

Ashay Athalye
Also with a Major in Course XIV-1
Minor in Mechanical Engineering

Amadou Yaye Bah

Mohamadou Bella Bah
(February, 2021)

Parker Jansen Bass
Minor in Anthropology

Nicholas Ryan Bonaker

Scott G. Bowman
Minor in Economics

Kye Burchard
(February, 2021)

Sharon V. Chao

Wei-Tung Chen

Jeana Choi
Minor in Music
(February, 2021)

Isabelle Paris Chong
Minor in Literature
(February, 2021)

Cecelia C. Chu
(February, 2021)

Manning Chuor
Also with a Major in Course VIII
Minor in Mathematics

Braden Noah Cook

Alexander K. Craig
Minor in Mathematics

Alex C. Cuellar

Ray Hiralal Dedhia

Mussie Teshome Demisse

Amanda Deng
Minor in Management
(February, 2021)

Alejandro Daniel Lino Diaz
Minor in Environment and Sustainability
Minor in Latin American and Latino
Studies
(February, 2021)

Dylan D. Doblár
Also with a Major in Course XVIII
Minor in Philosophy
(February, 2021)

Jordan Sumi Docter
Also with a Major in Course XVIII
Minor in Music

Laura N. Dodds

Austin S. Edelman
Minor in Political Science

Judith Fusman
(February, 2021)

Evan P. Gabhart
Minor in Mathematics
(February, 2021)

Kendall Garner
Minor in Chinese

Roberto Gauna
Also with a Major in Course VIII

Enriko K. Granadoz Chavez

Zackary J. Gromko
Also with a Major in Course VIII
Minor in Mathematics

Joshua A. Gruenstein
(February, 2021)

Alexander Felix Gu
Minor in Mathematics
Minor in Music

Keshav Gupta
(See also M.Eng., Course VI-P)

Matthew Ha

Andrew J. Haeffner
(February, 2021)

Jeanne L. Harabedian

Diana I. Hernandez
(February, 2021)

Shariqah Noor Hossain

Kuan Wei Huang

Kriti Jain
(February, 2021)

Sandy Jean-Charles
Minor in African and African Diaspora
Studies

Silvia Elena Knappe
Minor in Music

William M. Kusters
(February, 2021)

Madison K. Landry
Minor in Brain and Cognitive Sciences
(February, 2021)

Lucy Ruxi Lee
Minor in Chinese
(See also M.Eng., Course VI-P)

Sharon Ting Lin
(February, 2021)

Sabrina Liu
Minor in Music

Brooke Chelsea McGoldrick
(September, 2020)

Rachel T. McIntosh
Minor in Women's and Gender Studies

Charity M. Midenyo
(February, 2021)

Yosef E. Mihretie

Alex S. Miller
Also with a Major in Course VIII
Minor in Earth, Atmospheric, and Plane-
tary Sciences
(February, 2021)

Ian M. Miller

Gherardo Morona

Philip J. Murzynowski

Susan Ni
(February, 2021)

Caleb B. Noble
Minor in Mathematics

Olutimilehin O. Omotunde
Minor in Applied International Studies

Fjona Parllaku
Also with a Major in Course XVIII
(February, 2021)

Noah M. Pauls

Eric John Pence

Lisa R. Peng

Brandon A. Perez

Grace Anne Quaratiello
Also with a Major in Course XV-2

Roberto A. Ramirez

Robert L. Redmond

Berke Saat

Nadia Salahuddin (February, 2021)	Agnes Villanyi Minor in Mathematics	Varkey T. Alumootil Also with a Major in Course XVIII (See also M.Eng., Course VI-P)
David M. Sargent Minor in Economics	Fan Francis Wang Also with a Major in Course VIII	Nicholas Aaron Alvarado
Yorai Shaoul Minor in Mathematics	Babuabel M. Wanyeki Also with a Major in Course VIII	Zoe Elizabeth Anderson (February, 2021)
Du aa H. Sharif	Thomas D. Watson	Joshua Chukwuebuka Ani Minor in Mathematics
Yao E. Siabi (February, 2021)	Danielle Marie White (February, 2021)	William A. Archer Minor in Economics
Victor Phares Sindato	Jacob T. Whitton	Rogério Aristida Guimarães Junior Also with a Major in Course XXIV-2
Nikhil M. Singhal	Madeline Ming-Lei Wong Also with a Major in Course XXI-M	Matthew D. Bahner Also with a Major in Course XV-2
Sarah Olivia Spector Minor in Latin American and Latino Studies (February, 2021)	Cindy X. Yang (See also M.Eng., Course VI-P)	Sisam Bhandari Minor in Women s and Gender Studies
Matthew Joseph Stallone	Aaron J. Yeiser (February, 2021)	Lillian Bu (February, 2021)
Nickolas Stathas Minor in Science, Technology, and Society (February, 2021)	Rahul V. Yesantharao	Johnny M. Bui
Andromeda L. Teevens (September, 2020)	Stephanie Yijing Zhang Also with a Major in Course XV-2	Katarina M. Bulovic Minor in Brain and Cognitive Sciences
Mark Theng Minor in Mathematics	<u>Bachelor of Science in</u> <u>Computer Science and</u> <u>Engineering</u> Course VI-3 <i>Department of Electrical</i> <i>Engineering and Computer</i> <i>Science in conjunction with the</i> <i>Schwarzman College of Computing</i>	Alejandro Camacho
Rory Skye Thompson		Matthew S. Cameron Also with a Major in Course XXIV-1
Leilani A. Trautman		Anton Cao (February, 2021)
Mihir Yatin Trivedi		Kylie K. Carpenter
August Trollbeck Also with a Major in Course XVIII	Babatomiwa M. Adebisi	Johan Cervantes Minor in Statistics and Data Science
Sabrina Tseng	Anisha Agarwal Minor in Literature	Christopher W. Chang (September, 2020)
Chih Jui Tsou Also with a Major in Course XVIII	Yodahe K. Alemu	Benjamin Y. Chen Also with a Major in Course XVIII
Joshua Verdejo Minor in Music (See also M.Eng., Course VI-P)	Daniel Thomas Alfonsetti Minor in Mathematics	Bryan Xiaoqi Chen Also with a Major in Course XVIII
Julian T. Viera	Obada Alkhatib Minor in Mathematics	

Caroline Chen
Minor in Economics
Minor in Mathematics
(February, 2021)

Christina Chen

Emily Chen
Minor in Urban Studies and Planning

Jenning N. Chen
Minor in Environment and Sustainability

Zhenbang Chen

Zhenjia Chen

Christopher W. Cheung

Erica J. Chiu
Also with a Major in Course XVIII

Landon S. Chu
Minor in Mathematics

Liam L. Conboy
Minor in Chinese

Evan Samuel Cornish
(February, 2021)

José Alejandro Cruz Mendoza

Daniel Andres Dangond
Also with a Major in Comparative Media
Studies
Minor in Japanese
(February, 2021)

Hope Dargan
Also with a Major in Course XXI-H

Ria A. Das
Also with a Major in Course XVIII

Nisha E. Devasia
Also with a Major in Comparative Media
Studies
(February, 2021)

Steven Diaz
Minor in Mathematics

Thomas J. Dienes

Alexandra Dima

Samuel Joseph Dorchuck
Also with a Major in Course XVIII
Minor in Political Science

Robert Benjamin Durfee

Cody Robert-Andrew Durr
(February, 2021)

Demar Robin-Fernandez Edwards
(February, 2021)

Ahmed N. Elbashir
(February, 2021)

Kevin A. Fang

Joyce Feng

Gabriel David Fields

Nathaniel P. Fletcher

Rachael Shulan Fuchs

Grant W. Fuhr

Allan A. Garcia-Zych
Also with a Major in Course VIII

Benjamin A. Gardner

Albert S. Gerovitch
Also with a Major in Course IX
Minor in Political Science
Minor in Business Analytics

Irin Ghosh
Also with a Major in Course XVIII
Minor in Physics

Anurag Golla

Charvi Gopal

Danielle S. Gordon

Alexander K. Guo
Also with a Major in Course XI

Nicholas Guo

Tessa Jean Gustafson

Thomas J. Hannan
(February, 2021)

Peter K. Hart
(February, 2021)

Adib Hasan
Also with a Major in Course XVIII

Mahmoud Hassan

Mark P. Heatzig

Christian Torrin Henn
(September, 2020)

Ryan Christian Hennessey

Julian A. Hernandez
Minor in Comparative Media Studies

Alex Herrera

Luis Fernando Herrera Arias
(September, 2020)

Michael D. Hiebert
(See also M.Eng., Course VI-P)

Jenna Himawan
(See also M.Eng., Course VI-P)

Darryl Ho
Also with a Major in Course XVIII

Eric Hong

Eesam A. Hourani

Grace Hsu

Aye Htun

Henry Hu
Minor in Economics
(February, 2021)

Ivy Y. Huang
(February, 2021)

Jodi Jiaming Huang

Molly Humphreys

Sebastián Alejandro Huyke Hernández
Minor in Mathematics
Minor in Business Analytics

Christian Zhi Ren Hwa

Assel Ismoldayeva

Finnian P. Jacobson-Schulte
Also with a Major in Course XVIII

Shikhar Jagadeesh

Eric Jiang

Michelle Jiang

Stacia Edina Johanna

Victoria S. Juan
(February, 2021)

Meredith H. Julian
Minor in Mathematics
(See also M.Eng., Course VI-P)

Violetta Jusiega
Minor in Design

Gledis Kallco
Minor in Mathematics

Meghana Kamineni
Minor in Biology

Isabella Lin Kang
Also with a Major in Course XVIII
(See also M.Eng., Course VI-P)

Arpan Kaphle
Also with a Major in Course VIII

Mihir Prasad Khambete
Minor in Biology

Min Thet Khine
(February, 2021)

Evan M. Kim

Maya A. Koneval
Minor in Design
(February, 2021)

Daniel Kuang

Jason Kung

Barjol Lami
Minor in Mathematics

Maximillian S. Langenkamp

Bradley A. Levin

David Daiyun Li

Yunxing Liao

Yong Hui Lim
Also with a Major in Course VIII
(See also M.Eng., Course VI-P)

John Lin

Emily Liu
Minor in Mathematics
Minor in Music

Qiuyue Liu
(February, 2021)

Renbin Liu

Steven X. Liu
Also with a Major in Course XVIII
(See also M.Eng., Course VI-P)

Jason L. Lu

Haokuan Luo

Zhezheng Luo
Also with a Major in Course XVIII

Oran Luzon
Minor in Mathematics

Elene Machaidze

Xiao Mao
Also with a Major in Course XVIII
Minor in Linguistics

Yousef N. Mardini

Lindsey Marie McAllister
Minor in Public Policy

Ruben Merenfeld
Minor in Music

Zachary Michael Metzman
(February, 2021)

Samantha R. Miller
(February, 2021)

Alexander Paul Moreno

Felipe I. Moreno
Minor in Mechanical Engineering
(February, 2021)
(See also M.Eng., Course VI-P)

Alex B. Moser

José Antonio Muguira Iturralde

Nikhil Murthy
(February, 2021)
(See also M.Eng., Course VI-P)

Tammam Mustafa

Kaveri Nadhamuni
(See also M.Eng., Course VI-P)

Bhavik Nagda

Katharine Irene Nelson
(February, 2021)

Hieu T. Nguyen

Karen Nguyen
Minor in Mathematics

Nhat V. Nguyen

Sara Katherine Nicholas
Also with a Major in Course VIII

Maya G. Nigrin
Minor in Mathematics
(February, 2021)

Clemente Ocejo Elizondo

Joe Collins O Connor
Also with a Major in Course XVIII

Kings Odigie
Minor in Management

Tatum Mae Ogata
Minor in Mathematics

Lauren Dayoun Oh
Minor in Mathematics

Tuomas P. Oikarinen
Also with a Major in Course XXIV-1
Minor in Mathematics

Hidai Olivas-Holguin
(February, 2021)

Stephen E. Otremba, Jr.
Minor in Mathematics

Nassim Oufattole
Also with a Major in Course XVIII

YeonHwan Park

Shwetark Patel
Also with a Major in Course XIV-2

Angelos Pelecanos
Also with a Major in Course XVIII

Justin C. Perez
Minor in Mathematics

Áron Ricardo Perez-Lopez
Also with a Major in Course XXI-S
(February, 2021)

Daniel Perry
Minor in Economics
Minor in Mathematics
(September, 2020)

Scott Edward Perry
Also with a Major in Course XIV-2

Tuyet K. Pham
Minor in Japanese
(February, 2021)

Jacob D. Phillips
(February, 2021)

Melody Katherine Phu

Calvin Phung
Minor in Asian and Asian Diaspora
Studies

Neeraj Prasad

Grant C. Prater

Magdalena A. Price
Minor in Japanese

Jason Thomas Priest
(February, 2021)

Sai Sameer Pusapaty

Qi Qi
Also with a Major in Course XVIII
(See also M.Eng., Course VI-P)

Eric D. Qian
(February, 2021)

Vivian Qian

Soumya P. Ram
Minor in Mathematics
(See also M.Eng., Course VI-P)

Gabriel L. Ramirez
(See also M.Eng., Course VI-P)

Saumya Rawat

Michal Negusse Reda

Liana H. Reilly

Victor M. Reyes Espinoza
Minor in Political Science

Holly Anne Rieping

Marco A. Rivera, Jr.

Aristofanis Rontogiannis

Alexander J. Root

Rami M. Rustom

Alonso Salas Infante

Nicholas Antonio Salinas

Nestor Santiago-Perez

Samantha A. Sappenfield

Alizée Schoen

Tyler M. Schoulte
(February, 2021)

Noa L. Schwartz
Minor in Mathematics

Jason Lee Seibel
(February, 2021)

Nikodimos Zelalem Sendek
Minor in Design

Vlad Seremet
(September, 2020)

Allison N. Serio
Minor in Architecture

Dory Shen

Jocelyn J. Shen
Minor in Economics

Keithen E. Shepard

Belinda Shi
Minor in Linguistics

Daniel Ryan Shkreli
Minor in Literature

Renee Tebeh Silva

Chiti M. Simbotwe

Aaditya K. Singh
Also with a Major in Course IX
(See also M.Eng., Course VI-P)

Varnika Sinha
Minor in Economics
Minor in Mathematics

Dylan T. Sleeper
(February, 2021)

Jack W. Snowdon
Minor in Statistics and Data Science

Jesus A. Solis

Ashwin Srinivasan

George Stefanakis
Also with a Major in Course XVIII

Nyle Alexander Sykes
Minor in Finance

Max R. Tell
Minor in Mathematics

Ishani A. Thakur
(February, 2021)

Alex Theimer

Felix Tran

Sunny Tran
Minor in Mathematics
(February, 2021)

Brian C. Tseng
Also with a Major in Course VIII
Minor in Mathematics

Matthew James Turner
Minor in Economics

Viktor V. Urvantsev III

Yuria Utsumi
Minor in Mathematics

Pablo X. Villalobos
(February, 2021)

Summer Ynien Vo
(February, 2021)

Charles J. Vorbach

Sarah Thanh Vu
Minor in Chinese

Julia Noel Wagner
Also with a Major in Course XV-1
Minor in Economics

Audrey R. Wang
Minor in Music

Jennifer L. Wang

Jonathan M. Wang

Julia Jiaye Wang
Also with a Major in Course XVIII
Minor in Music

Lucy Wang
Minor in Mathematics
(February, 2021)

Nathan C. Wang

Patrick T. Wang
Minor in Statistics and Data Science

Richard Wang
Also with a Major in Course XVIII

Yanni Wang

Nathan W. Weckwerth
Also with a Major in Course XVIII

Elizabeth R. Weeks
(See also M.Eng., Course VI-P)

Rachel Y. Wei

Kathryn T. Wicks

Benton B. Wilson

Peter Wofford

Jan Robert Wójcik

Isaac H. Wolverton
(February, 2021)

Chad A. Wood
Minor in Music
(February, 2021)

Mark J. Wright

Julia J. Wu
Also with a Major in Course XVIII
Minor in Economics

Shannen Wu
Minor in Theater Arts

William Wu

Brian S. Xia

Katherine L. Xiao
Also with a Major in Course IX

April L. Xie
Minor in Statistics and Data Science

Helen J. Xu
(February, 2021)

Jessica Yang

Steven Yang
Minor in Mathematics

Brendan S. Yap

Claire Yin

Jessica Yin

Lisa Y. Yoo
(February, 2021)

Stephanie S. Yoon

Veerapatr Yotamornsunthorn

Hoi Wai Yu
Also with a Major in Course XVIII
Minor in Linguistics
Minor in Statistics and Data Science

Kendall T. Yu

Albert S. Yue
Also with a Major in Course XVIII

Kevin Yue

Annie T. Yun
Also with a Major in Course XVIII

Noah Zamzow-Schmidt
Minor in Mathematics
(February, 2021)

Timothy D. Zavarella

Kevin M. Zayas

Beining Zhang
(February, 2021)

Emily Yi Zhang
Also with a Major in Course XVIII

Lucy Yi-Ran Zhang
Minor in Statistics and Data Science
(February, 2021)

Maggie Qin Zhang
Minor in Mathematics

Maggie Zhang
Minor in Design

Marina Zhang
Also with a Major in Course XVIII
Minor in Economics

Tianlin Zheng
Minor in Finance
(September, 2020)

Ze Hang Zheng

Xinhe Zhou
Also with a Major in Course XVIII

Yiwei Zhu
Also with a Major in Course XVIII
Minor in Literature

**Bachelor of Science in
Computer Science and
Molecular Biology**
Course VI-7
*Department of Electrical
Engineering and Computer
Science in conjunction with the
Schwarzman College of Computing*

Vayun Alapati
Minor in Economics
(February, 2021)

Suzie Y. Byun
Minor in Statistics and Data Science

Diana Baldwin Faust
(February, 2021)

Nicholas J. Freitas

Ruiwen Fu
(February, 2021)

Patricia D. Gao
Minor in Writing

Nathan Han

Jonathan M. Herrera

Tetiana Husak

Natasha N. Joglekar
Minor in Women's and Gender Studies

Kate M. Pearce
Minor in Mathematics

Venkat Sankar

Taylor E. Shaw

Tee Udumlumleart

**Bachelor of Science in
Computer Science, Economics,
and Data Science**
Course VI-14
*Department of Electrical
Engineering and Computer
Science in conjunction with the
Schwarzman College of Computing*

Ivana S. Alardín
Minor in Mathematics
Minor in Public Policy

Grace Chuan
Minor in Mathematics

William J. de Rubertis

Kevin D. Downey

Cecilia M. Esterman
Also with a Major in Course XXI-M

Gabrielle Marie Finear
Also with a Major in Course XV-2

Cecil M. Gregg IV
Minor in Business Analytics

Jennah A. Haque
Minor in Public Policy

Justen Marshall Holl
Also with a Major in Course XVIII
Minor in Business Analytics
Minor in Ancient and Medieval Studies
(February, 2021)

Eliza K. Khokhar
(See also M.Fin., Course XV)

Brandon Leitch

Jocelyn Isabel Luizzi
(February, 2021)

Francesca Macchiavello Cauvi
Minor in Statistics and Data Science

Anmol Maini
Minor in Mathematics

Abigail McKenzie Moser
Also with a Major in Course XVIII

Tema Bery Nwana

Lawrence Y. Qiu
(February, 2021)

Paul Ruh
(February, 2021)

Patrick James Ryan
Minor in Finance

Phoebe Spear

Ashley Qiang-Wei Wang
(February, 2021)

Isabelle Lee Yen
Also with a Major in Course XV-2

Alvin Zhu
Minor in Asian and Asian Diaspora
Studies

**Bachelor of Science in Chemical
Engineering**
Course X
*Department of Chemical
Engineering*

Madeline E. Bundy
Minor in Energy Studies

Jacky Chin
Also with a Major in Course VI-14

Hoang T. Dinh

Ryan S. Dorf

Tony J. Elian
(February, 2021)

Asia J. Hypsher
Minor in French

Connor Grayson Jones

Mawuli Aba Yvonne Kpeglo
Also with a Major in Course XXI-M

Evelyn Sofia Navarro Salazar

Benjamin Nguyen
Also with a Major in Course V

Andison T. Tran
Minor in Polymers and Soft Matter

Vincent V. Vasquez

Stefan Wan
Minor in Biology

Allison B. Wang

Blair Ato Anaman Williams

**Bachelor of Science in
Chemical-Biological
Engineering**
Course X-B
*Department of Chemical
Engineering*

Allegra Jade Berger
Minor in Biology
(February, 2021)

James A. Drayton
(February, 2021)

Abigail M. Frey
Also with a Major in Course VII
Minor in Environment and Sustainability

Luis Angel Gallegos

Katherine Marie Hahn
Also with a Major in Course XII
Minor in Biology

Liam Kai Herndon
Also with a Major in Course VII-A
(February, 2021)

Caroline E. Kenton
(February, 2021)

Vanessa Kitova

Justin Leal

Eveline Simone Mayner

Adunoluwa O. Obisesan
Also with a Major in Course VI-7

Zachary Villaverde

Daiyao Zhang
Also with a Major in Course VII

**Bachelor of Science in
Engineering as recommended
by the Department of Chemical
Engineering**
Course X-ENG
*Department of Chemical
Engineering*

Issa Rais Aoudou Bassirou
Minor in Economics
Minor in Energy Studies

Mathieu Dru Medina

Andrea Odinakachukwu Orji
Minor in African and African Diaspora
Studies

Danielle-Joy A. Rodriguez

Awele Bill Uwagwu
Minor in Energy Studies

**Bachelor of Science in
Aerospace Engineering**
Course XVI
*Department of Aeronautics and
Astronautics*

Sophie Gordon Anderson
Minor in Physics

Kofi G William Blake
Also with a Major in Course VIII
Minor in Political Science

Israel J. Bonilla

Claire Buffington

Shannon M. Cassady
Also with a Major in Course VIII

Jacob C. Edison

Madelyn Rose Focaracci
Minor in Literature

Steven R. Goldy
Also with a Major in Course VI-2
Minor in Political Science

Rukia Amir Hassoun
Minor in Economics

Kyle J. Higgins

Ian M. Hokaj
Also with a Major in Course VI-2

Mohammed Hanif Kabir

Ngoc Thuy Minh La

Alexander Lam
(February, 2021)

Dongjoon Lee
Also with a Major in Course VI-2
Minor in Music

Alison A. Louthain

Charles M. Magaw

Dominic Rosario Maggio
Also with a Major in Course VI-2

Aaron R. Makikalli
Also with a Major in Course XXI-M
Minor in Earth, Atmospheric, and Planetary
Sciences

Boaz J. Marks
(February, 2021)

Alexandra R. Meredith
Minor in Computer Science

Jacqueline M. Montante

Matthew Morningstar
Minor in Computer Science

Amanda Faye Olphie

Codrin Paul Oneci
Also with a Major in Course VIII
Minor in Economics

Gabriel Gustavo Owens-Flores

Scott B. Padron
(February, 2021)

Evan T. Pasko
Minor in Computer Science

Ethan Sawyer Rolland

Renee Elizabeth Schebler
Minor in Women's and Gender Studies

Tao Sevigny
(February, 2021)

Fawaaz A. Shaffeeullah
(February, 2021)

Anna Lucy Wahl

Joshua Kevin White

Christopher B. Womack

**Bachelor of Science in
Aerospace Engineering**
Course XVI-1
*Department of Aeronautics and
Astronautics*

Brent Dailey Edelman, Jr.
Minor in Economics
(February, 2021)

**Bachelor of Science in
Engineering as recommended
by the Department of
Aeronautics and Astronautics**
Course XVI-ENG
*Department of Aeronautics and
Astronautics*

James M. Abel
(February, 2021)

Andrea E. Badillo

Nadezhda D. Dimitrova

Mason James DuMez

Julia C. Gaubatz
Minor in Mathematics

Allison Goode
Also with a Major in Course XVIII
Minor in Earth, Atmospheric, and Planetary
Sciences
Minor in Ancient and Medieval Studies

Jiayao Huang
Also with a Major in Course XV-2
Minor in Economics

Sabrina Y. Khan
Also with a Major in Course XII
Minor in Science, Technology, and
Society

Charles Malcolm Loomis Lindsay
Also with a Major in Course VI-1

**Bachelor of Science in
Biological Engineering**
Course XX
*Department of Biological
Engineering*

Iris de la Caridad Abrahantes Morales

Roopsha D. Bandopadhyay
Minor in Writing

Magnolia Mulan Chinn
Minor in Music

Jade Isabella Daher
Also with a Major in Course IX
Minor in Linguistics
(February, 2021)

Ravalika Damerla
Minor in Environment and Sustainability
(February, 2021)

Meghan Elisabeth Davis
Also with a Major in Course XI

Jiayi Dong

Fidelia N. Gaba

Wilson Gomarga

Haley O. Higginbotham
Minor in Mechanical Engineering

Vladlena Horneț

Lily Huo
Also with a Major in Course XVII

Sarah H. Ishamuddin
(February, 2021)

Amy T. Jin
Also with a Major in Course VI-2
Minor in Music

Prateek R. Kalakuntla
Minor in Computer Science

Afeefah F. Khazi-Syed
Minor in Urban Studies and Planning

Seung-Hyun Brianna Ko
Minor in Music

Yara M. Komaiha

Emily L. Larson

Maya M. Levy

Nathan Tam Liang
Also with a Major in Comparative Media
Studies

Justin M. Liu

Emma R. Majercak
(February, 2021)

Zaina L. Moussa
Minor in Japanese

Alberto J. Naveira
Minor in Music
Minor in Computer Science

Gabrielle S. A. Ndakwah

Alexandra Neeser
Minor in Finance

Athena NangVang Nguyen

Tam Bao Minh Nguyen

Koumani W. Ntowe-Fankam
(February, 2021)

Ashley N. Pearson

Abena D. Peasah
Minor in Women s and Gender Studies

Maisha Munawwara Prome
Minor in Writing

Smrithi Raman
Minor in Political Science

Courtney Bryn Sawyer

Alexis M. Schneider
Minor in Computer Science
(February, 2021)

Vaibhavi B. Shah
Also with a Major in Sci., Tech., & Society
(February, 2021)

Tooba Shahid
Minor in Public Policy
(February, 2021)

Aidan Michael Simpson
Also with a Major in Course XV-1

Daniel Jiang Stein
Also with a Major in Course VI-3

Connor Jackson Sweeney
Minor in Computer Science
(February, 2021)

Lia Tian
Minor in Mechanical Engineering

Sidney Y. Vermeulen
Also with a Major in Course VI-3

Thomas Wang
Minor in Physics

Katherine M. Williams
Minor in Women s and Gender Studies

Jocelyn Shuxin Yao
Also with a Major in Course IX

Francisco J. Zepeda
Minor in Political Science

Margaret Y. Zhang
Minor in Music

**Bachelor of Science in Nuclear
Science and Engineering**
Course XXII
*Department of Nuclear Science and
Engineering*

Leanne Stephanie Galanek

**Bachelor of Science in
Engineering as recommended
by the Department of Nuclear
Science and Engineering**
Course XXII-ENG
*Department of Nuclear Science and
Engineering*

Analyce B. Hernandez
Also with a Major in Course VIII

Natalie G. Montoya
Minor in Japanese
Minor in Energy Studies

Myles G. Stapelberg
(February, 2021)

SCHOOL OF HUMANITIES, ARTS, AND SOCIAL SCIENCES

Bachelor of Science in Economics

Course XIV-1
Department of Economics

Sophie Rose Herscovici
(February, 2021)

Yejin Amy Kim
Also with a Major in Course XVIII-C
(February, 2021)

Akwetey Kwabena Francis Okine
(February, 2021)

Michael C. Zhao
Minor in Finance
Minor in Literature

Bachelor of Science in Mathematical Economics

Course XIV-2
Department of Economics

Paolo M. Adajar
Minor in Public Policy

Boluwatife Oluwatumibi Akinola

Benjamin Alan Delhees
Also with a Major in Course XV-3

Catherine Huang

Alula Tesfaye Hunsen

Gill Lin

Madeleine R. Michael
(February, 2021)

Manuel Fernando Perez
(February, 2021)

Ravi Ray Raghavan
(February, 2021)

Whitney W. Zhang
Minor in Computer Science

Bachelor of Science in Political Science

Course XVII
Department of Political Science

Aditya Jog
Also with a Major in Course VII

Samantha E. Pauley
(February, 2021)

Jose M. Pena, Jr.

Ivan Shestopalov

Bachelor of Science in Literature

Course XXI-L
Literature

Anna Jenea Lyn Williams
Minor in Public Policy

Bachelor of Science in Music

Course XXI-M
Music and Theater Arts

Sebastian L. Franjou
Also with a Major in Course VI-2

Bachelor of Science in Writing

Course XXI-W
Program in Writing and Humanistic Studies

Azzo Fiorenzo Sauvage Séguin
Also with a Major in Course XII

Christina Elizabeth Warren
Also with a Major in Course VI-3

Bachelor of Science in Humanities and Engineering

Course XXI-E
Department of Humanities

Matthew S. Bradford

Julian D. DuBransky

Sarah M. Edwards

Bachelor of Science in Humanities and Science

Course XXI-S
Department of Humanities

Lia Trinity Hsu-Rodriguez

Kathryn W. Mohr
(February, 2021)

Bachelor of Science in Comparative Media Studies

Program in Comparative Media Studies

Amy Yaejee Shim

SLOAN SCHOOL OF MANAGEMENT

Bachelor of Science in Management

Course XV-1
Sloan School of Management

Owen Campbell Broderick

Michael Anthony Carolan
Also with a Major in Course VI-3
(February, 2021)

Nathaniel Joseph Cruz Walma

Tanner B. Guerra

Alice C. Ho
Also with a Major in Course IV

Tingyu Li
Also with a Major in Course VI-3

Aleena Shabbir

John B. Strachan
Also with a Major in Course XIV-1

Jason Jesus Tang
Also with a Major in Course XVIII-C

Dakota H. Thurman
Minor in Urban Studies and Planning

Leon Zheng

Elizabeth Abby Zhou
Also with a Major in Course VI-3

Bachelor of Science in Business Analytics

Course XV-2
Sloan School of Management

Felix Enrique Chavez Cruz

Saffron Tuesday Deasey
Minor in Public Policy
(February, 2021)

Emily A. Haig
Also with a Major in Course VI-14

Gohar Khan
Also with a Major in Course VI-14

Henry C. Martin
Minor in Computer Science

Enuma C. Mokol
(February, 2021)

Elizabeth A. Obermaier
Also with a Major in Course XVIII-C

Aaron Robles

Kiyah E. Willis

Farrell Eldrian S. Wu
Also with a Major in Course VI-3
Minor in Economics

Shiyan Yin

Bachelor of Science in Finance

Course XV-3
Sloan School of Management

Gerardo Andrés Cortez Padilla

Ze Dong
(February, 2021)

Xinyi Gu
Minor in Japanese

Bo Daniel Hardin
(February, 2021)

William Thomas Little IV

Sarah Ayesha Quraishi
Minor in Mechanical Engineering

Sanjana Shukla
Also with a Major in Course VI-14

Sharlene Song
Minor in Asian and Asian Diaspora
Studies

Elias Yishan Yang
(February, 2021)

SCHOOL OF SCIENCE

Bachelor of Science in Chemistry

Course V
Department of Chemistry

Zhengkai Huang

Lin S. Rogers
Minor in Music

Miller Tan
Also with a Major in Course VI-3
Minor in Public Policy

Bachelor of Science in Chemistry and Biology

Course V-7
Department of Chemistry

Agata A. Bikovtseva

Ameena Momtaz Iqbal
Minor in Public Policy

Anna Khoroshilov
Also with a Major in Course VIII
Minor in Economics
Minor in Computer Science

Gyuna Kim
Also with a Major in Course XXI-M

Luozheng Kong
Also with a Major in Course XXI-M

Eleane K. Lema

Siam T. Muquit
Minor in Spanish

Dayanne Rolim Carvalho

Harrison K. Wang
Also with a Major in Course VIII
Minor in Mathematics
(February, 2021)

Rachel F. Weissman

Bachelor of Science in Biology

Course VII
Department of Biology

Jose A. Aceves-Salvador
Minor in Chemistry

Allysa A. Allen

Justin J. Cordero

Emily Q. DeBitetto
Minor in Biomedical Engineering

Sarah M. Dohadwala
(February, 2021)

Katelyn R. Downey
(February, 2021)

Kenechukwu B. Egbunu
Minor in Toxicology and Environmental Health

Christine Elizabeth Goglia
Minor in Biomedical Engineering
(February, 2021)

Brett Donovan Haeffner

Mohammed S. Hijaz

Sandhya Kalavacherla
(February, 2021)

Divya S. Kudapa
(February, 2021)

Pranav V. Lalgudi
Minor in Statistics and Data Science

Yenthanh N. Le

Phoebe L. Li
(February, 2021)

Joanna Qiao Lin
Also with a Major in Course XXI-G

Jiaxing Liu
Minor in Brain and Cognitive Sciences
Minor in Music

Andrea G. Lo
Minor in Environment and Sustainability
Minor in Literature

Ayesha Ng
Also with a Major in Course IX
Minor in Chemistry

Sharon Elizabeth Stephanie Onggo

Emily A. O'Rourke
(February, 2021)

James V. Parsons

Alexandra Cassidy Pouliot
Minor in Russian and Eurasian Studies

Noopur Ranganathan
Minor in Anthropology

J. L. Shelly
Minor in Entrepreneurship & Innovation
(September, 2020)

Emily Hendrina Soice
Also with a Major in Course XXI-E
(February, 2021)

Katherine M. Sottolare
Also with a Major in Course VI-9

Kevin Eric Wesel
Minor in Economics
Minor in Public Policy

Bachelor of Science in Physics Course VIII *Department of Physics*

Francisco E. Acosta Icazuriaga

Ghadah M. Alshalan
Minor in Computer Science

Nicolas Amato
Minor in Earth, Atmospheric, and Planetary Sciences

Amel Amin Elfadil Elawad

Lucas M. Arthur
Minor in Political Science

Matthew J. Baldwin
Also with a Major in Course XVIII

Richard Thomas Barone III

Thiago R. Bergamaschi
Also with a Major in Course VI-2
Minor in Mathematics

Ian Bouche

Abhijatmedhi Chotrattanapituk
Also with a Major in Course XVIII-C

Matthew E. Conover
Also with a Major in Course VI-1

Sergio E. Cuadra

Kaylee Marie de Soto
Also with a Major in Course XVIII-C
Minor in Astronomy

Thao H. Dinh
Minor in Mathematics

Aidan E. Driscoll
Also with a Major in Course XXI-M

Aidan Zane Faustina
Also with a Major in Course XXIV-1

Rian B. Flynn
Also with a Major in Course XXI-M

Haoyang Gao
Also with a Major in Course XVIII

Uriel Guajardo
Also with a Major in Course VI-3

Amelia Eren Clabby Guttentag
Also with a Major in Course XVIII

Johaun J. Hatchett
Minor in Energy Studies

Qiantan Hong
Also with a Major in Course VI-2
Minor in Music

Parker K. Huntington
Also with a Major in Course VI-2
Minor in Japanese

Jakob P. Jorgensen
Minor in Mathematics

Sami Kaya
Also with a Major in Course XVIII

Sujay S. Kazi
Also with a Major in Course XVIII-C

Aaron G. Kogan
Also with a Major in Course XVIII

Andrew John Krause
Also with a Major in Course VI-3

Caroline Laber-Smith

Yuan Lee
Also with a Major in Course VI-2
Minor in Economics
Minor in Mathematics
(See also M.Eng., Course VI-P)

Jitrapon Lertprasertpong
Minor in Astronomy

Christopher A. Miller
Minor in Art, Culture and Technology

Gabriel L. Mintzer
Also with a Major in Course VI-3
Minor in Chinese
(February, 2021)

Srijon Mukherjee
Also with a Major in Course VI-3

Anjali Ila Nambrath
Also with a Major in Course XVIII
Minor in French

Obiageli W. Nwodoh
Minor in Political Science

Oluwaseun E. Ogunde
Minor in Mathematics

Bibek K. Pandit
Also with a Major in Course VI-3
(February, 2021)

Erik J. Porter
Also with a Major in Course VI-1

Debaditya Pramanik
Also with a Major in Course XVIII

Andres E. Reyna
Also with a Major in Course VI-1
(February, 2021)

Audrey Saltzman
Minor in Economics

Alana R. Sanchez

Jordan T. Santana
(September, 2020)

Abigail J. Stein
Also with a Major in Course VI-1

Afura N. Taylor
Also with a Major in Course XXI-W

Chanita Tubthong
Also with a Major in Course XXI
Minor in Astronomy

Nicholas R. Venanzi
Also with a Major in Course VI-2

Deborah H. Wen
Also with a Major in Course V-7
(February, 2021)

Jennifer Jinghan Yu
Also with a Major in Course XVIII

Rachel C. Zhang
Minor in Computer Science

Bachelor of Science in Brain and Cognitive Sciences

Course IX

Department of Brain and Cognitive Sciences

Sarah Abodalo

Chloe E. Ayers
Also with a Major in Course XX

Katherine M. Collins
Minor in Computer Science
Minor in Biomedical Engineering

River C. Grace
Also with a Major in Course XXI-M
Minor in Biology

Tyler S. Lerner
(February, 2021)

Kristie Lino

Tianyu Luo

Jocasta Blaise Manasseh-Lewis
Minor in Biology

Ivan Alexis Mosqueda

Seungweon Park
Also with a Major in Course VII
Minor in Chemistry

Virginia A. Rosenberger
Also with a Major in Course XXI-W

Irene Zhou
Also with a Major in Course VI-2
Minor in Linguistics

**Bachelor of Science in
Computation and Cognition**
Course VI-9
*Department of Brain and Cognitive
Sciences*

Mona Magdy Abdelrahman

Michael Chukuemeka Anoke
Minor in French

Alexandra Alice Margareta Berg

Skylar Frances Gordon

Anne Hanako Kimura Harrington

An Jimenez
Minor in Theater Arts
(February, 2021)

Joachim J. Kennedy

Maya C. Lathi
Minor in Mathematics

David J. Mackay

Jason Madeano

Michael A. Peña

Gisela María Redondo González

Quilee Simeon
Minor in Statistics and Data Science

Alice Zhang

Jasmine Fang Zou
Minor in Computer Science
(February, 2021)

**Bachelor of Science in Earth,
Atmospheric, and Planetary
Sciences**
Course XII
*Department of Earth, Atmospheric,
and Planetary Sciences*

Sheila J. Baber
Also with a Major in Course VIII

Julia Whitney Clarke
Also with a Major in Course V
Minor in Biology

Megan Elisabeth Guenther
Minor in Environment and Sustainability

Sarah Katherine Weidman
Also with a Major in Course VIII

**Bachelor of Science in
Mathematics**
Course XVIII
Department of Mathematics

Jack-William Barotta
Minor in Economics

Jordan L. Benson

Talia Miriam Blum
Minor in Computer Science
(February, 2021)

Landon McRae Buckland
Minor in Architecture
(February, 2021)

Colleen M. Campbell
Also with a Major in Course XXII-ENG

Ruidi Cao
Also with a Major in Course VI-3

Kevin Y. Chang

Fiona Yifei Chen
Also with a Major in Course XIV-1

Zachary D. Chroman

Kevin J. Costello III
Also with a Major in Course XXI-M

Samantha D Alonzo
Minor in Computer Science

Andrew K. Dienes

Korina Digalaki
Also with a Major in Course VI-2

Savannah En
(February, 2021)

George K. Friedlander

Agustin E. Garcia Andrade
Also with a Major in Course VI-2

Kristian Georgiev Georgiev
Also with a Major in Course VI-3

Klajdi Gjonaj
Minor in Computer Science

Katherine E. Gravel

Daniela E. Guillén
Minor in Physics

Kaarel Hänni
Also with a Major in Course XXIV-2
Minor in Physics
Minor in Economics

Lior S. Hirschfeld
Also with a Major in Course VI-3
Minor in Literature

Cory Christopher Hixson
Minor in Economics

Vanshika P. Jain
Minor in Computer Science
Minor in Energy Studies

Miles R. Johnson
Also with a Major in Course VI-2
Minor in Physics

Gabriel J. Kane
Also with a Major in Course XXI-M

Dhamanpreet Kaur
Also with a Major in Course VI-7
(February, 2021)

Anna L. Kooperberg
Also with a Major in Course VI-3
Minor in Statistics and Data Science

Miguel Ratko Lamar
Minor in Statistics and Data Science

Rachel Elizabeth Leighton

Daniel León Jiménez
Also with a Major in Course VI-14
Minor in Business Analytics

Robert K. Lindland
Also with a Major in Course VI-3

Amber Jiahui Lu
Also with a Major in Course XIV-1
(February, 2021)

Joseph Michael Mastrandrea
Minor in Finance

Casey Marie McClenathan
Minor in Music

Christina T. Meng
Minor in Computer Science

Leanne E. Morical
Also with a Major in Course XIV-1
Minor in Applied International Studies

Rebecca Hart Nelson
Also with a Major in Course XV-2
Minor in Music
Minor in Computer Science

Carolina Ortega Pérez
Also with a Major in Course VI-3

Anna Rose Osofsky
Minor in Music

Nicholas V. Pape
Minor in Earth, Atmospheric, and Planetary Sciences
Minor in Political Science

Junyao Peng

Nikola Raicevic
Also with a Major in Course VI-3

Ellery M. Rajagopal
Also with a Major in Course VI-2

Nikhil R. Reddy
Also with a Major in Course VI-3

Tommie M. Reerink
Also with a Major in Course XXI-M

Qiuyu Ren

Michael Gilman Saldivar

Pachara Sawettamalya
Also with a Major in Course VI-3

Jessica Weiqian Shi
Also with a Major in Course VI-3

Anand Srinivasan

Alexander M. Stewart

Michael Siyuan Tang
Minor in Computer Science

Natalya Ter-Saakov
Minor in Computer Science

Elizabeth Jane Tso
Minor in Ancient and Medieval Studies
(February, 2021)

Sarah J. Wang
Also with a Major in Course VI-14
Minor in Business Analytics
(February, 2021)

Bianca E. Wang-Polendo
Minor in Economics
(February, 2021)

Julian Homann Wellman
(February, 2021)

John M. Wu
Also with a Major in Course VI-3

Emily Z. Xie

Zhuofan Xie
Also with a Major in Course VI-3

Thomas W. Xiong
Also with a Major in Course VI-7
(February, 2021)

Christopher Xu
(February, 2021)

Zixuan Xu
Also with a Major in Course VI-3

Allen Yang
(February, 2021)

Yuan Yao
Also with a Major in Course VI-3
Minor in Linguistics

Calvin L. Yost-Wolff

Julia Yu
Also with a Major in Course VI-3
Minor in Women's and Gender Studies

Marcos Rubén Zárate Gamarra
Also with a Major in Course VI-3

Rachel Y. Zhang
(February, 2021)

**Bachelor of Science in
Mathematics with Computer
Science**
Course XVIII-C
Department of Mathematics

Majid A. Almarhumi

Joshua Gyesi Kwabena Amaniampong

Shreyas Balaji
(February, 2021)

Henderson Cole
(February, 2021)

Turbat Enkhbayar

Libaan I. Farah
Minor in Business Analytics
(February, 2021)

Oliver Herman Heins
Minor in Business Analytics

Jabari A. King

Dexin Li
Also with a Major in Course XIV-1

Jason Lu
(September, 2020)

Faraz Masroor
Also with a Major in Course XIV-1
Minor in Physics

Thérèse B. Mills
Minor in Comparative Media Studies
(February, 2021)

Nelson Shuheng Niu
Minor in Theater Arts
Minor in Writing

Ulyana Piterbarg
Minor in Statistics and Data Science

Margaret Anne Redfield
Minor in Business Analytics

Nolan Matthew Reilly

Sonia Marlana Reilly

Dhruv W. Rohatgi
(February, 2021)

Caleb M. Rollins
Also with a Major in Course XIV-1
Minor in Statistics and Data Science

Shreyas Vignesh Srinivasan
Minor in Finance

Natalie Noether Stewart

Hantao Tenwhij

William Gerard Woodrow Torous
Minor in Literature

Yogeshwar Avinash Velingker
Also with a Major in Course VIII

Sophia Xia
(February, 2021)

Barry Xu

Hung-Hsun Yu
(February, 2021)

SCHOOL OF ARCHITECTURE AND PLANNING

Master of Architecture

Course IV

Department of Architecture

Paige Xiomara Alvarez

(See also M.C.P., Course XI)

The Houseful(l)ness of Public Space

Arditha Auriyane

(February, 2021)

Post - arium

Adiel Alexis Benitez

(February, 2021)

Priced Out of Paradise, Reconsidering Cooperatives in Response to Climate Gentrification In Miami's Communities of Color

Chen Chu

(February, 2021)

To Know is to Empower: Chagos Institute of Environmental Humanities

Sydney Jordan Cinalli

(February, 2021)

Reclaiming the Estranged: Imagining an Architecture of Excess

Charlotte Isabel D Acierno

(February, 2021)

Ferrous Futures: Scenario Planning for Global Steel

Isadora Simone Stahl Dannin

(February, 2021)

Seven Ways of Reading *The House of the Seven Gables*

Benjamin Carlton Hoyle

Still Standing

Lucas Facundo Igarzabal

Conectividad Alegal: Remaking and Resilience in the Bay of Havana

Nynika Jhaveri

(February, 2021)

Gardens of Resistance

Kailin Jennifer Jones

(February, 2021)

After Aura: Authorship, Automation, Authenticity

Melika Konjicanin

(February, 2021)

The Factory of Coexistence

Jeffrey Fraser Landman

(February, 2021)

Screen Time

Clarence Yi-Hsien Lee

(February, 2021)

Ferrous Futures: Scenario Planning for Global Steel

Eytan Michael Levi

(See also S.M., Real Estate Development)

Still Standing - Cooperative Strategies for the Renovation of Soviet Mass Housing

Emma Bertin Pfeiffer

(February, 2021)

Architecture for Revision

Lynced Angelica Torres

M.I.Celium Mexicanus: Rejecting

Modernity Through Zapotec Futurism

Marisa Concetta Waddle

Conectividad Alegal: Remaking and

Resilience in the Bay of Havana

David Allen White

(February, 2021)

Thorough;

Erin Nicole Wong

Heirlooms

Jaehun Woo

(February, 2021)

Ferrous Futures: Scenario Planning for Global Steel

Ziyu Xu

Space of Mind: The Hidden Architecture in the Time of the Pandemic

Andrew R. Younker

Building / Unbuilding

Master of Science in Architecture Studies

Course IV

Department of Architecture

Jeremy Carmine Bilotti

(See also S.M., Course VI)

A Machine Learning Model for Understanding How Users Value Designs: Applications for Designers and Consumers

Dries Carmeliet

Third Landscape

Reza Daftarian

Fractured and Dissolved, Architecture Ablaze: Toward an Understanding of

Ayeneh-Kari

Katherine Pearl Dubbs

"A Great Civilizing Agent": Architecture at MIT, Drawing Education, and Boston's Cultural Elite, 1865-1881

Eduardo Gascón Alvarez

MASS BALANCE: Design Strategies for Lightweight, Thermally Massive Construction Systems

Marianna González-Cervantes

Velvet Garage: Narratives of an Education in Architecture

Mengqi Moon He

(September, 2020)

The Chinatown Stories: Investigating Water (In)Justice through Transmedia Urban Design in the L.A. River

Rania Kaadan

Untold Narratives: Realizing Personal Design Identities

Wuyahuang Li

To Build Home and To Live In (U)Hygge

Bowen Lu

Networking Knowledge and Experience: An Instrumental System for the Personal Development of Individual Designers

Luis Alberto Meouchi Vélez

Collecting Ideals: Re-Envisioning Ejidos as Climate-Action Platforms

Amanda Sayed Merzaban

Scripting Inclusion

Mohamad Hani Nahleh
Nightrise: Through the Valley of
Jabal'Amil's Shadow

Yesufu Grover Oladipo
Evaluating Overheating Preventative
Measures in Residential Buildings and
Passive Survivability

Ayesha Usman Shaikh
(September, 2020)
The Yenidze Oriental Tobacco and
Cigarette Factory: An Example of Islamic
Ornamental Architecture in Germany

Zainab Feroza Taymuree
(September, 2020)
The Missing Designers: A History of
Activists Designing for Racial Justice

Alexandra Lea Waller
Monstrous Space: Architectural
Production in an Age of Algorithms

Xiaoyun Zhang
Components and Compositions:
Machine's Observation and Reasoning
of Architectural Design Intention
Represented through Vision and Selective
Abstraction

**Master of Science in Art,
Culture and Technology**
Course IV
Department of Architecture

Ryan Aasen
(September, 2020)
The Gilded Closet: Media, Privacy, and
Power in Unequal Times

Luíza Bastos Lages
(September, 2020)
Tessituras Abertas Pessimistic Yet
Persistent in Other Possible Imaginaries

Yuping Hsu
(September, 2020)
In Between Empathy and Wonder Lies
the Contamination That Makes Us
Human

Matthew Jacob Ledwidge
(September, 2020)
Urban Perceptual Modeling: A
Speculative Framework for Artistic
Intervention

Casey Tang
(September, 2020)
Being in the World as If There's Nothing
from the First: A Praxis-Framework for
Emergence

Nancy Dayanne Valladares
(September, 2020)
A Dedicated Mechanism for Forgetting:
Fiction and the Ghosts of the
Plantationocene

Yimeng Zhu
Finding the In-between Space

**Master of Science in Building
Technology**
Course IV
Department of Architecture

Zachary Michael Berzolla
Meeting A Community's Emissions
Reduction Targets Using Urban Building
Energy Modeling

Ruoyu Lan
(September, 2020)
Air Quality Impacts of Crop Residue
Burning in India and Mitigation
Alternatives

Mariana Liebman Pelaez
(September, 2020)
Hydroponic Container Farms: Validation
of a Building Energy Model and Its
Integration in Urban Design

Bryan Wen Xi Ong
(See also S.M., Course I)
Machine Learning for Human Design:
Developing Next Generation Sketch-
Based Tools

Nicole Tang Liwen
(September, 2020)
Examining the Feasibility of a Novel
Ground-Storage Cooling System

Elizabeth Lyn Young Li Wen
On the Relationship Between Spatial-
Temporal Outdoor Thermal Comfort
Simulations and Bike Ridership

Master in City Planning
Course XI
*Department of Urban Studies and
Planning*

Paige Xiomara Alvarez
(See also M. Arch., Course IV)
The Houseful(l)ness of Public Space

Nathan Alexander Arnosti
A Moral Document? Expanding
Conversations About Public Safety
Budgets in Minnesota in the Wake of
George Floyd's Murder

Bridget Burns
(September, 2020)
"The Most Important Thing is that We
Developed Friendships." Reciprocity,
Care, and Social Support through a
Microfinance Intervention: A Case Study
from Uganda

Patricia Ann Cafferky
Planning for Anti-Displacement
Development: An Affordable Housing
Study in Central Falls

Bahij Vincent Chancey
Community Composting: Public-
Nonprofit Partnerships and Equity in
New York City Organic Waste Programs

Daniela Chong Lugon
(September, 2020)
Dispossessing the Public: Privatization of
Open Public Spaces in Lima, Peru

Daniela A. Cocco Beltrame
(September, 2020)
Subaltern City-Making: A Portrait from
Harare, Zimbabwe

Winn Elliott Costantini
Integrating Climate, Economic, and
Racial Justice Through a Boston
FutureCorps

Elizabeth Jean Farr
Parking Policy as a Mechanism to Reduce
Car Ownership and Use

Ruth Fay Gourevitch
Houses on Hudson: Using Documentary
Film to Explore Exclusionary Zoning and
Affordable Housing Development in the
New York Suburbs

Sofia Asli Gulaid
Mandela, Massachusetts: Design Futures
for a Proposed City

Chelsea Hodgkins
Just Transition: Lessons from Mexico

Lenna Drury Johnsen
(September, 2020)
Making Change Legible: Public Notices
and the Visual Communication of
Planning in the U.S.

Griffin Reese Kantz
(September, 2020)
Inferring Pedestrian and Bicycle Travel
Demand from Consumer Market
Segmentation and Related Datasets

Devin Cornett Kelly
'A Bridge Over the Chasm': Rhetoric and
Reflexivity in Housing Advocacy

Amber Y. Kim
The Challenges and Opportunities to
Achieving Equitable Residential Building
Electrification in Chicago

Zade Jeffery Koch
Nationwide Pedestrian Safety Analysis
Using Crash and Survey Data

Samra Brook Lakew
(September, 2020)
Scenarios for the Future of Global
Recycling

Geunhee Lee
Civic Hacking for the Right to Know and
the Right to Privacy

Yanchao Li
Understanding Mobility in Sierra Leone
During Covid-19 Using Call Detail
Records

Rachel Li-Jiang Luo
(See also S.M., Transportation)
Data-Driven Customer Segmentation:
Assessing Disparities in COVID Impact
on Public Transit User Groups and
Recovery

David Kambo Maina
The Learning Curve: An Exploration of
the Digital Literacy Dimension to ISPs

Nina Theresa Mascarenhas
(September, 2020)
Collaborative Governance in Regional
Climate Resilience Planning: A
Case Study of the Resilient Mystic
Collaborative

Tess Davenport McCann
More Complex Than Wasteland:
Reparative Site History along the Boston-
Revere Border

Sara Brent McCoy
(September, 2020)
Climate as Provocation of Preservation
Standards and Procedure in Historic
Districts of the Floodprone U.S.: Lessons
from Palm View, Miami Beach

Noah J. McDaniel
Power, Risk, and Democratic Control in
State-Local Finance: The Effect of State
Tax and Expenditure Limits on Municipal
Debt and Risk

Rubén Grayson Morgan
(See also S.M., Transportation)
A Fare Approach to Attracting Transit
Ridership After COVID-19

Drew Edward Morrison
(See also M.B.A., Course XV)
Slumlords? The Economics and Finances
of Small-Scale Low-Income Housing

Michelle Mueller
Salt Flats, Finger Islands and Ponds:
Reading the Landscape Through
Infrastructure in Tampa, Florida

Chenab Ahuja Navalkha
Data for Housing Justice: Examining
Activists' Use of Open Government Data
for Housing Justice in Boston, MA and
New York, NY

Ruichen Ni
(February, 2021)
(See also S.M., Real Estate Development)
A Venture for Art + Development:
Examining The Symbiosis Relationship
Between China's Art Market and Real
Estate Industries

Ziyu Ran
Understanding Mobility in Sierra Leone
During Covid-19 Using Call Detail
Records

Sarah Evelyn Rege
Cultivating Creative Learning in
Community — An Iterative Design
Process

Emma González Roberts
(February, 2021)
Understanding Paseo Boricua: Why the
Preservation of Chicago's Puerto Rican
Enclave Matters

Yu Shao
(February, 2021)
"Biopolitics from Below?" — Lessons
of Emergent Urban Governance Trend
Under Covid-19 in China

Tanvi Sharma
Future Flood Mitigation in Charlotte-
Mecklenberg

Kristopher Stephen Steele
(September, 2020)
(See also S.M., Real Estate Development)
New York City Local Law 97: An Analysis
of Institutional Response & Decision
Making Towards Groundbreaking
Carbon Emissions Legislation

Gary Chi Tran
(September, 2020)
The Nation of a City: Localism and
Identity in Post-Handover Hong Kong

Darryle Kane Ulama
Black Public Works: The Political
Economy of Race and New Deal
Infrastructure

Benjamin Edward Walker
Housing is the Cure: Renter Insecurity in
Boston During the COVID-19 Pandemic

Yuehan Wang
(February, 2021)
(See also S.M., Real Estate Development)
Measuring Built Environment
Technology Awareness Using Time-Series
Analysis

Seth Michael Wight
Aligning Policy Goals with Planning
Outcomes: A Client-Based Thesis in
Portland, Maine

Gabriela Beatriz Zayas del Rio
'Autogestión': Community-led Squatting as a Means of Transformative Revitalization of Abandoned Spaces in Puerto Rico

Yunhan Zheng
(See also S.M., Transportation)
Equality of Opportunity in Travel Behavior Prediction with Deep Neural Networks and Discrete Choice Models

Michelle Lauren Zucker
(September, 2020)
Taming the City Wilderness

Master of Science in Media Arts and Sciences

Program in Media Arts and Sciences

Gabriela Bila Bandeira Advincula
(February, 2021)
With(in): Three Women, Three Informal Settlements, and the Rituals of the Meal as a Microcosm of Urban Life

Alexandra A. Berke
(September, 2020)
From Private Location Data to Public Good

Océane Elia Boulais
(September, 2020)
Emerging Computational Methodologies for Transparency in Fisheries

William Walker Brannon
(September, 2020)
Mapping U.S. Talk Radio: A Textual Survey at Scale

Rubez Chong Lu Ming
(September, 2020)
Hacking Voice Assistants: Speculative Design as Resistance in the Age of Surveillance Capitalism

Patrick C. Chwalek
(September, 2020)
Captivates: A Smart Eyewear Platform for Ambulatory Physiological Measurement Capture

Manuj Dhariwal
(September, 2020)
Let's Chance: Playful Probabilistic Programming for Children

Sohan Savio Dsouza
(February, 2021)
Crowdsourcing Moral Psychology

Jonathan Michael Feldman
(February, 2021)
The Augmented Geometrically Spaced Transform: Applications of the Single Channel Frequency Estimator

Jesus Guillermo Herrera Arcos
Muscle Recruitment Mechanism under Optogenetic Neuromodulation

Abhinandan Jain
(September, 2020)
Body Driven Cognition : Writing to the Body to Influence the Mind

JunSu Jang
(September, 2020)
Marine Snow Tracking Stereo Imaging System

Mike Hao Jiang
Enlightened: Can short-form news videos open minds?

Wakanene Kamau
(September, 2020)
Towards Responsive Ecotechnology: A Daughterless Male Mouse

Elena Chong Loo Kodama
(September, 2020)
R.E.I.N.A. Towards Pervasive Interface Agents that Transcend the Physical-Digital Worlds

Junshan Leng
(September, 2020)
RF-Guided Exploration for Robotic Manipulation

Joanne Sau Ling Leong
(February, 2021)
Investigating the Use of Synthetic Media for Real-Time Virtual Camera Filters for Supporting Communication and Creativity

Michelle Arwa Mboya
(September, 2020)
Mixed Reality and Mixed Method tools for Alternative Imaginations

Hila Mor
(September, 2020)
Venous Materials: Toward Interactive Fluidic Mechanisms

Manushaqe Muço
(September, 2020)
Connecting Symbols to Primitive Percepts using Expectation as Feedback

Prathima Muniyappa
(September, 2020)
Scribe - Crowdsourcing Indigenous Knowledge

Nikita Obidin
(September, 2020)
Spatially-Proximate Assembly of Linearized Polynucleotides for Interrogation of Gene Sequence and Location

Pat Pataranutaporn
(September, 2020)
Wearable Lab on Body and Programmable Bio-digital Organ : Towards Closed-Loop Bio-Digital Augmentation of Human

David Colby Reed
(September, 2020)
Designing for Voice in the Vacuum: Property in Citizenship for Democratic Equality among Future Spacefarers

Tyler Joseph Schoeppner
(September, 2020)
Large Interactive Laser Light Field Installation

Tay Shin
(September, 2020)
Iterative Expansion Microscopy Using Lipid and Protein Labels for Nano-Scale Imaging of Brain Circuits

Abhishek Singh
Distributed and Private Computation for Inference

Erik Steven Strand
(September, 2020)
Inverse Methods for Design and Simulation with Particle Systems

Joao Henrique Santos Wilbert
(September, 2020)
Vibroacoustic Materials: Leveraging Material Vibration to Sense Interaction

Charlene Xia
(September, 2020)
A Low-Cost Modular Underwater
Acoustic Communication System

Ruihan Zhang
Towards Mapping Spatial Transcriptome
of an Entire Vertebrate Brain

Master of Science in Real Estate Development

Center for Real Estate Development

Kayode A. Agbalajobi
(September, 2020)
The Washington D.C 2020 - 2025 Housing
Initiative: Reviewing the Incentives
and Barriers to Real Estate Developers'
Creation of Affordable Housing

Jee hee Baek
(September, 2020)
Real Estate Securitization in Korea:
Application of PF ABS and MBS

Maximilian Sean Beatty
(September, 2020)
Building Towards an Innovation
Economy: A Pilot Development Proposal
that Leverages City and Institutional
Partnership to Reposition Baltimore

Ian Duncan Bradley
(September, 2020)
Reinventing Retail Properties: Adaptive
Reuse Strategies That Make Sense and
Create Value

Joon Keun Chang
(September, 2020)
Analysis of Distressed Commercial
Mortgage Backed Securities (CMBS)
Loans and Special Servicing – A Case
Study

Eric Raymond DeWees
(September, 2020)
A New Life for Hotels: Adaptively
Reusing Limited Service Hospitality
Properties as Workforce Housing

Patrick Ryan Downey
(September, 2020)
Negotiated and Prescriptive Zoning:
A Comparison of Boston and Seattle
Through the Lens of Seaport Square

Elise Stephens Dubuque
(September, 2020)
Urban Multifamily Amenity Wars:
Defining their Current State and
Determining Impacts of COVID-19

Diego Fernández Briseño
(February, 2021)
The Environmental Impact of Ecommerce
Logistics Real Estate and Technological
Interventions for a Low-Carbon Footprint

Morgan Lawrence Fleischman
(September, 2020)
Sorry We're Closed: What Closes Malls
and Community Centers in the United
States? An Analysis and Predictive
Modeling of Distressed Centers

Daniel James Hare
(September, 2020)
The Emperor's New Coastline: An Initial
Framework for Real Estate Investing in a
Time of Climate Change

Bani Amrit Kaur
(February, 2021)
Opportunities for Institutional Investors
in Indian REITs

Eytan Michael Levi
(See also M. Arch., Course IV)
Still Standing - Cooperative Strategies for
the Renovation of Soviet Mass Housing

Barclay Dalziel Macfarlane
(February, 2021)
The Redistribution of Corporations
and Their Talent Across the United
States: Analyzing the Emerging Trend of
Demographic and Corporate Migration
from Gateway Markets to Smaller Ones

David Maroti
Real Estate Distress on College
Campuses: Case Study on Liquidity
through Public Private Partnerships and
Portfolio Right-Sizing

Benjamin Pope Masselink
(September, 2020)
Sustainable Value Creation Through
Mass Timber Development in North
America

Ruichen Ni
(February, 2021)
(See also M.C.P., Course XI)
A Venture for Art + Development:
Examining The Symbiosis Relationship
Between China's Art Market and Real
Estate Industries

Cho Hae Park
(September, 2020)
An Analysis of Indirect Real Estate
Investments in South Korea

Sun Jung Park
(September, 2020)
Data Science Strategies for Real Estate
Development

William Hoagland Plumb
(February, 2021)
Navigating Climate Resiliency: A
Developer's Guide to Permitting and
Planning Along Boston's Waterfront

Natasha Sadikin
(February, 2021)
The Financial Impact of Healthy
Buildings

Allison Janice Selby
(February, 2021)
Migratory Patterns of New Yorkers
Amidst the COVID-19 Pandemic and the
Resulting Boom in Housing Demand in
the Hudson Valley

Daniel Smička
(February, 2021)
Concrete Prefabrication and Offsite
Construction in Brazil: A Development
Case Study in Mato Grosso

Kristopher Stephen Steele
(September, 2020)
(See also M.C.P., Course XI)
New York City Local Law 97: An Analysis
of Institutional Response & Decision
Making Towards Groundbreaking
Carbon Emissions Legislation

Alexandra Hayes Stratouly
(February, 2021)
Building Healthy: A Feasibility Study of
Developing a "Healthy" Office Tower

Andrew Campbell Thigpen
(September, 2020)
Sustainable Value Creation Through
Mass Timber Development in North
America

Manuel Velazco
(September, 2020)
The T-Space Model: Maximizing Value
and Revenue of Transit Real Estate Assets

Yuehan Wang
(February, 2021)
(See also M.C.P., Course XI)
Measuring Built Environment
Technology Awareness Using Time-Series
Analysis

Oscar Williams
Identifying Real Estate Development
Opportunities: Web-Scraping, Regex
Patterns & String-Searching Algorithms

Junyi Zhang
(September, 2020)
An Integrated Analytical Framework:
Guidelines for Commercial Real Estate
Investment Management

Kan Zuo
Developing a Mainland China REIT
Return Index (2015-2020) through a Pure-
Play Approach

Utkarsh Sarawgi
Med. Arts & Sciences
Uncertainty-Aware Ensembling in Multi-
Modal AI and its Applications in Digital
Health for Neurodegenerative Disorders

Sarah Mary Haiken Sclarsic
Med. Arts & Sciences
(February, 2021)
A Bioengineering Roadmap for Negative
Emissions Technologies

Nikhil Uday Singh
Med. Arts & Sciences
(September, 2020)
Sifting Sound

Farita Tasnim
Med. Arts & Sciences
Decoding of Facial Strains via
Conformable Piezoelectric Interfaces
and Three-Dimensional Digital Image
Correlation

Ravi Tejwani
Med. Arts & Sciences
(September, 2020)
Migratable AI

Master of Science
(without specification of field)

Yusuf Shaan Ahmad
Med. Arts & Sciences
(September, 2020)
Tools that Lower the Floors, Widen
the Walls, and Raise the Ceilings for
Designing Creative Learning Experiences

Ethan Chase Alley
Med. Arts & Sciences
Machine Learning to Promote
Transparent Provenance of Genetic
Engineering

Tara Boroushaki
Med. Arts & Sciences
Robotic Grasping of Fully-Occluded
Objects using RF Perception

Raghava Manvitha Reddy Ponnepati
Med. Arts & Sciences
Computational Tools For Rational
Engineering of Protein Therapeutics

SCHWARZMAN COLLEGE OF COMPUTING

Master of Science in Computational Science and Engineering

Program in Computation for Design and Optimization

Arwa Abdullah AlAnqary

Change Point Detection in Time Series

Abdullah Omar M Alomar

(See also S.M., Course VI)

Multivariate Singular Spectrum Analysis: A Principled, Practical, and Performant Solution for Time Series Imputation and Forecasting

Aaron Solomon Charous

(February, 2021)

High-Order Retractions for Reduced-Order Modeling and Uncertainty Quantification

Manan Mukesh Doshi

(February, 2021)

Energy-Time Optimal Path Planning in Strong Dynamic Ocean Flows

Vineet Jagadeesan Nair

(February, 2021)

Estimation of Cumulative Prospect Theory Based Behavioral Models for Dynamic Pricing and Control of Shared Mobility on Demand

Morgan Jane McCombs

Data-Driven Supply Regulation to Improve Farmers' Income in Agricultural Markets

Richa Ramesh Naik

Uncovering Perovskite Degradation Equations Using Scientific Machine Learning

Wen Hong Kenneth Pay

(September, 2020)

The Effect of Cash Constraints on Smallholder Farmer Revenue

Sharan Raja

(September, 2020)

Learning Communication Policies to Perform Decentralized Task Allocation under Communication Constraints

Robert Loek Van Heyningen

Discontinuous Galerkin Solutions of the Boltzmann Equation: Spectral Collocation and Moment Methods

Eamon Jasper Whalen

Enhancing Surrogate Models of Engineering Structures with Graph-Based and Physics-Informed Learning

Master of Science in Technology and Policy

Institute for Data, Systems, & Society

Gabriel Thomas Bann

(September, 2020)

Rethinking Federal Disaster Aid Policy in the Context of Social Vulnerability

Karan Bhuwalka

(February, 2021)

(See also S.M., Course VI)
Assessing the Socio-Economic Risks in Electric Vehicle Supply Chains

Virginia Claire Blessing

(See also S.M., Course VI)

Towards Empirical Evaluation of Software Security Risk

Adrianna Judith Boghozian

(February, 2021)

(See also S.M., Course VI)
Exploring Low-Cost Sensor Placement Strategies within an Urban Environment

Rebecca Leigh Browder

(See also S.M., Course XVI)

From the Earth to the Moon: Economic Viability of Commercial Spaceports and Science and Technology Planning for MIT Lunar Exploration

Carson Wesley Simkins Bullock

Aviation Effects on Local Business: Mapping Community Impact and Policy Strategies for Noise Remediation

Chung Hon Michael Cheng

A Tale of Two Sovereignties

Yash Raghunandan Dixit

(See also S.M., Course VI)

Estimating Life-Cycle carbon Emissions of the Global Oil Supply Chain Using Optimization in a Network Model

René A. García Franceschini

Use of Civil Air Patrol Imagery for Disaster Response: a Technical and Policy Analysis

Russell Thomas Glynn

The Scalar Politics of Mobility in Detroit

Nolan Robert Hedglin

(September, 2020)

(See also S.M., Course VI)
Opportunities for U.S.-China Scientific Collaboration in Building a Bilateral Quantum Network

Drake Daniel Hernandez

An Evaluation of Regulatory Frameworks for the Development of Interstate Hydrogen Infrastructure in the United States

Gregoire Jacquot

(See also S.M., Course VI)

Guiding Principles for Universal Energy Access: Integrated Distribution Frameworks and Their Implementation

Brandon Leshchinskiy

(See also S.M., Course XVI)

Addressing Climate Change through Artificial Intelligence and Education

Liang Li

(February, 2021)

(See also S.M., Course VI)

Investigating the Role of Microglia in the Development of Myelin and Policy Implications of Gene Editing

Miles Thelonious Keylor Lifson

(September, 2020)

(See also S.M., Course XVI)

A Study of Emerging Space Nation and Commercial Satellite Operator Stakeholder Preferences for Space Traffic Management

Andrew Maxwell Mowry
(September, 2020)
Integration Challenges for Fast-Charging
Infrastructure to Support Electric Vehicle
Adoption

Sade Kailani Nabahe
Training the Next Generation of Clean
Energy Workers: Designing Local Career
Pathways for a Decarbonized New
Mexico Economy

Nina Catherine Peluso
Long-Term Electric Utility Resource
Planning: An Adaptive Structure for a
Transforming Landscape

Daniel Wade Provaznik II
(September, 2020)
Mitigating Foreign Social Media
Influence Campaigns in US Elections

Ryan William Ramseyer
(See also S.M., Course VI)
Automated Rehosting and
Instrumentation of Embedded Firmware

Saeyoung Rho
(September, 2020)
(See also S.M., Course VI)
Estimating Lower Bounds for Time
Series Prediction Error

Thomas González Roberts
(See also S.M., Course XVI)
Geosynchronous Satellite Maneuver
Classification and Orbital Pattern
Anomaly Detection via Supervised
Machine Learning

Nicolas Sangwon Rothbacher
(September, 2020)
(See also S.M., Course VI)
AI Can't Fix This: Predictive Policing
"Fairness" in Context

Frank Michael Ryan
(September, 2020)
Reskilling White-Collar Workers: What's
In It for Firms?

Joseph Carson Schlessinger
Quantifying Agenda Setting Effects on
Twitter and Digital Media

Jean-Baptiste Seby
(September, 2020)
(See also S.M., Course VI)
Networked Interactions, Graphical
Models and Econometrics Perspectives in
Data Analysis

Maryam Shahid
(February, 2021)
(See also S.M., Course VI)
Identity and Trust Frameworks: Design
and Analysis of Identity Transactions
Online

Kevin Xu Shen
(February, 2021)
(See also S.M., Transportation)
Uneven Mobility: Injustice in
Accessibility and Urban Experimentation

Erin Elizabeth Smith
The Cost of CO₂ Transport and Storage in
Global Integrated Assessment Modeling

Hannah Kathleen Whisnant
(September, 2020)
Split Learning on FPGAs

Sophia Wu
(February, 2021)
Understanding the Effect of Intermittent
Water Supply on Drinking Water Quality

Lihui Zhang
(February, 2021)
Crowd Equals Diversity? A Diversity
Analysis on Participation of Agency-
sponsored Open Innovation Challenges

Nicolas Xuan-Yi Zhang
(February, 2021)
(See also S.M., Course VI)
Encryption to Implement Mechanism
Design Solutions

SCHOOL OF ENGINEERING

Master of Engineering in Civil and Environmental Engineering

Course I-P

Department of Civil and Environmental Engineering

Sabrina Gaitan

Vaulted Earthen Floor Systems for Low-Cost Housing Construction

Claire Elizabeth Holley

(See also S.B., Course I-ENG)
Multi-Material Continuum Topology Optimization for Embodied Carbon Objectives

Grace Anne Jagoe

Autoclaved Aerated Concrete Tile Vaults for Lightweight Floor Systems

Benjamin Richard Male

(September, 2020)
Rapid Remote Determination of Hydrographic Data for Modified Surf Index Calculations and Naval Applications

Stephen G. C. Prendergast

Patterns of Optimal Structural Layouts

Shiyao Sun

(September, 2020)
Nonlinear Analysis of Topology-Optimized Scissor-Like Elements During Deployment and Structural Performance Analysis

Kyle Jeffrey Thomson

Material Use and Efficiency in Ultra-Thin Towers

Georgette L. Tso

(February, 2021)
A Comparison of Durability and Recruitment for Reef Mimics Constructed from Marine Concrete and CaCO₃-Enriched Concrete

Brandon Tsun Leong Voo

Investigation of UHPC Columns for Stress-Strain Behaviour, Economic and Environmental Feasibility

Natalie E. Woods

Estimating Sudan Nile Water Withdrawals During the 20th Century Using a Water Balance Approach

Master of Science in Civil and Environmental Engineering

Course I

Department of Civil and Environmental Engineering

Harry Aaron Birnbaum

(See also M.B.A., Course XV)
Implementation of a Mathematical Approach to Rip Saw Arbor Design and Scheduling

Mengpei Chen

(See also M.B.A., Course XV)
Raw Material Optimization to Bend the Biopharmaceutical Cost Curve

Brandy Nicole Forehand

(See also M.B.A., Course XV)
Strategic Sourcing of Serial Production Processes in Jet Engine Manufacturing

Monica Gabriela

(See also M.B.A., Course XV)
Drug Substance and Drug Product Manufacturing Strategy Assessment for siRNAs

Deborah Go

(See also M.B.A., Course XV)
Improving Inventory Management to Increase Profitability

Omar Kahil

(See also M.B.A., Course XV)
Capacity Management for Low Cost Storage

Kirby J. Ledvina

(February, 2021)
A Computational Study of Flexible Routing Strategies for the VRP with Stochastic Demands

Ipek Bensu Manav

Texture-Informed Approach for Hurricane Loss Estimation: How Discounting Neighborhood Texture Leads to Under-Valuing Wind Mitigation

Yue Meng

(September, 2020)
Jamming Transition and Emergence of Fracturing in Wet Granular Media

Ellen Franklin Morgan

(See also M.B.A., Course XV)
Decoupling Continuous Manufacturing Processes to Increase New Product Valuation

Bryan Wen Xi Ong

(See also S.M. Building Tech., Course IV)
Machine Learning for Human Design: Developing Next Generation Sketch-Based Tools

David Victor Pedroni

(See also M.B.A., Course XV)
Tailored Base Surge Policy for Middle Echelon in Biologics Supply Chain

Yu Qiu

Wetting Transition and Fluid Trapping in a Microfluidic Fracture

Katherine Suzanne Rawden

(See also M.B.A., Course XV)
Leveraging Big Data and Machine Learning to Evaluate the Impact of Material and Process Variability on the Quality Performance of the Vicryl+ Value Chain

Pedro Vasconcelos Bettencourt Teixeira Queirós

(See also M.B.A., Course XV)
Modeling Total Delivered Cost in the Automotive Industry

Peter Douglas Witt, Jr.

(See also M.B.A., Course XV)
High Velocity Supply Chain: Redesigning a Long Lead Time, Short Shelf Life Supply Chain

Liza C. Xu

(See also M.B.A., Course XV)
Identifying Risk Exposure in a Global Retail Supply Chain

**Master of Engineering in
Advanced Manufacturing and
Design**

Course II-P

*Department of Mechanical
Engineering*

Abigail Jeanine Campbell

(September, 2020)

Machine Vision System for In-Process
Inspection on an Automated Peptide
Manufacturing Platform

Chun Cheng Hsu

(February, 2021)

Investigation of Ion Transfer Efficiency
Through Multi-Channel Capillaries for
a Desorption Electrospray Ionization
(DESI) Interface

Robyn Wen-Yi Lee

(February, 2021)

Development of Solutions to Reduce
Variability in Material Flow at a Factory

Gauthier Bruno Pierre Jacques Lemoine

(September, 2020)

Classification on Real-Time Videos
of Galvanized Steel Surface Defect
Using Support Vector Machines and
Convolutional Neural Network, Based on
Data Created by Generative Adversarial
Networks

Rishab Mardia

(February, 2021)

Financial Analysis in Multidisciplinary
Design Optimization

David Richard Mimery

(September, 2020)

Multidisciplinary Design Optimization of
Part Geometry in CAD

Benjamin David Russell

(September, 2020)

Retention Time and Solvent
Concentration Prediction for an
Automated Peptide Manufacturing
Platform

Nagashumrith Venkata Vinakollu

(February, 2021)

Evaluation of Ion Transfer Capillary
Geometry on Sensitivity of a Desorption
Electrospray Ionization and Mass
Spectrometry System

Yang Wang

(February, 2021)

Optimization of Material Flow by
Lean Tools and RFID Integration into a
Vendor-Involved eKanban System

Sara Mae Wilson

(September, 2020)

Fault Detection in a Continuous
Production Line Using Adaptive Control
Chart Limits

Liudi Yang

(September, 2020)

Product Purity Prediction and Anomaly
Detection for an Automated Peptide
Manufacturing Platform

Antoine Yazbeck

(September, 2020)

A Case Study of Multidisciplinary Design
Optimization Implementation Process
Management

Kaili Yu

(September, 2020)

Multi-classification and Object Detection
in Intelligent Manufacturing

**Master of Science in Mechanical
Engineering**

Course II

*Department of Mechanical
Engineering*

Bernardo Aceituno Cabezas

(February, 2021)

Certified Grasping

Mohamad Ayad A Alrished

(September, 2020)

A Quantitative Analysis and Assessment
of the Performance of Image Quality
Metrics

Elnaz Azolaty

(September, 2020)

(See also M.B.A., Course XV)
Workflow Evaluation of Key Work
Packages in Drug Product Technologies

Jennifer Lee Beem

Parameterized Shape Adaptive Material:
A New Design Method for Inclusive
Sportswear

Ross Anthony Bonner

(September, 2020)

Design and Development of a Novel
Liquid Desiccant Air-Conditioning
System

Caitlin Marie Braun

(See also M.B.A., Course XV)

Breaking the Mold on Job Shops

Nicole Alejandra Bustos

Mini-Portable Rheometer: A Device for
the On-Site Rheological Characterization
of Viscoelastic Fluids

Ann Chen

Design and Analysis of Nonthermal
Plasma Electrolytic Cells for Ammonia
Synthesis

Matthew Thomas Chignoli

(February, 2021)

Trajectory Optimization for Dynamic
Aerial Motions of Legged Robots

Grace B. Connors

Predictive Time-Variant Photovoltaic
Electrodialysis Reversal: A Novel Design
Optimization Using Predictive Machine
Learning and Control Theory

Margaret Grace Cutlip

(See also M.B.A., Course XV)

An Analytical Approach to Inventory
Management for Telecommunications
Network Equipment

Levi Michael DeLuke

(See also M.B.A., Course XV)

Predictive Modeling and Optimization of
Autoinjector Manufacturing

Somayajulu Dhulipala

Enhancing Injectability and Viability of
Cells using Viscoplastic Lubricated Flows

Carlos Daniel Díaz Marín

Rational Fabrication of High-Performance
and Scalable Opal Crystals for Thermo-
Fluidic Applications

Tom McGlennon Dillon

Computational Modeling and Treatment
Optimization of Acute Endovascular and
Respiratory Conditions

Elliott Seto Donlon

(September, 2020)
Assessment of High-Value Near-Term
Engineering Innovations for Indian
Sanitation

Jeffrey William Epperson

(See also M.B.A., Course XV)
Creating Optimized Value Creation
Conditions: An Additive Manufacturing
Model

Andrew Scott Fabian

(See also M.B.A., Course XV)
Effective Integration of Additive
Manufacturing at a Large Manufacturing
Company

Hannah Lee Feldstein

Tri-Phase Emulsions as Tunable Liquid
Lenses with Aberration Correction

Joshua S. Fishman

Soft Aerial Manipulation

Zi Hao Foo

Computational Modeling of Osmotically
Assisted Membrane Separations with
Multicomponent Solution-Diffusion
Theory

Clare Austin Frigo

(See also M.B.A., Course XV)
Network and Workflow Design and
Standardization in a Large Distribution
Center

Kyprianos Agioub Gkirgkis

Stochastic Ocean Forecasting with the
Dynamically Orthogonal Primitive
Equations

Samuel Dutra Gollob

Generalizable Modelling Of Vacuum-
Powered Soft Actuators and Its Use
in Design for Mechanical Assistive
Applications

Andrew H. Griese

Relaxation of Dense Suspensions

David Andrew Griggs

(February, 2021)
Design and Validation of a High-Pressure
Laser Melting System

Matthew Warren Hait

(See also Naval E., Course II)
A Hydrodynamic Analysis and
Conceptual Design Study for an External
Storage Enclosure System for Unmanned
Underwater Vehicles

Benjamin Hamilton

(February, 2021)
Analysis of Cryogenic Cooling of
Toroidal Field Magnets for Nuclear
Fusion Reactors

Kristan MUNO Hilby

Hydrogen Fuel Cell Driven Origami-
Inspired Large-Elongation Soft Robot
Modules

Yiwen Hu

Nanomechanical Analysis of Coronavirus
Spike Proteins and Correlation with
Infectivity and Lethality

Cody L. Jacobucci

Design and Optimization of Adsorption
Systems for Air Conditioning and
Atmospheric Water Harvesting

Joshua David John Rathinaraj

Time-Resolved Linear and Non-
Linear Rheology of Thixotropic and
Aging Complex Fluids: Application to
Particulate and Biopolymeric Physical
Gels

Eleftherios Kaklamanis

(February, 2021)
Spectral Discrimination of Fish Shoals
from Seafloor in the Gulf of Maine
During the Ocean Acoustic Waveguide
Remote Sensing (OAWRS) 2006
Experiment

Emily Alexis Kamienski

Fall Prediction Model for a
Reconfigurable Mobile Support Robot

Matthew Alexander Kilby

(See also M.B.A., Course XV)
Creating Good Jobs in Automotive
Manufacturing

Ryan Koeppen

Design of Electromechanical Attachments
for Improved Ultrasound Imaging
Repeatability

Bon Ho Koo

The Exploration of KNN-based Neural
Control of Pneumatically Actuated
Artificial Muscle

Jin Soo Lee

(See also M.B.A., Course XV)
Determining Optimal Supply Level for
Intermittent and Low Demand Parts

Buxuan Li

(February, 2021)
Synthesis and Characterization of High
Thermal Conductive Polymers and
Fabrication of Polymer Based Thermal
Strap

ZhiYi Liang

Quantifying the Energetic Costs of
Photovoltaic Pumping Systems (PVPS)
for Sub-Saharan African Smallholder
Farms

Yunpeng Liu

(February, 2021)
Remote Epitaxy of III-N Membranes on
Amorphous Boron Nitride

Catherine A. LiVolsi

(September, 2020)
Lubrication in the Ball and Socket Joint of
a Swash Plate Mechanism

Trang N. Luu

(September, 2020)
Impact of Surface Area and Porosity on
the Cooling Performance of Evaporative
Cooling Devices

Nathan Ellis Maxwell

(See also S.M.(N.A.M.E.), Course II)
Design of a Trailer Capable, Open Ocean
Sailing Yacht

Aaron Max Melemed

(February, 2021)
Identifying Interface-Dominated
Behavior and Cell Configuration Effects
on the Electrochemistry of Calcium Foil
Anodes

Emily Madeline Mellin

(See also Naval E., Course II)
Using Biomimetics to Improve the
Maneuvering Performance of the
Expendable Mobile Antisubmarine
Warfare Training Target (EMATT)

Brian Taylor Mills

(See also S.M.(N.A.M.E.), Course II)
Solving Time-Alignment Challenges in Shipboard Non-Intrusive Load Monitoring

José María Moreu Gamazo

(February, 2021)
High-order Tuners for Convex Optimization: Stability and Accelerated Learning

Zachariah Keith Morey

(See also M.B.A., Course XV)
Integrating Machine Learning into Data Analysis and Plant Performance

Steven Andrew Musselwhite

(See also Naval E., Course II)
Methods to Reduce Backlogged Maintenance of Los Angeles Class Submarines

Duncan Allison O Boyle

Integrated Disposable Microfluidic Tissue Chips

Cormac O'Neill

Safe Tumbling of Heavy Objects Using a Two-Cable Crane

Joseph William O'Connell

(See also S.M.(N.A.M.E.), Course II)
Shipboard Fault Detection, Marine Micro-Grid Power Diagnostics and Vessel Ventilation Monitoring

Anthony Johnson Papa

(See also M.B.A., Course XV)
Unit Hours as a Key Performance Indicator

So Young Michelle Park

(See also M.B.A., Course XV)
Reliability Analysis of Boeing's Dreamlifter Large Cargo Freighter

Abhishek Patkar

(September, 2020)
Concave-Convex Parametrization and Neural Network Based Nonlinear Adaptive Controller

Felix Piavsky

(February, 2021)
Automatic Detection and Tracking of Fish Shoals over Large Areas Using Ocean Acoustic Waveguide Remote Sensing (OAWRS)

Stefano Pineda

Feasibility Assessment for Amine-Based Shipboard Carbon Capture

Ryan Joseph Mar Poon

Design and Control of a Mounted Robotic Arm Tool Changer and Measurement Tools for Agriculture

Daniel Raymond Whitlock Reilly

(See also M.B.A., Course XV)
Implementing Virtual Reality Based Digital Twins in Automotive Manufacturing

Catalina Kim Le Rico

Polyurethane Sealant to Mitigate Crack Effects in Glass-to-Metal Sealed Underwater Connectors

Andrew Scott Rodriguez

(See also M.B.A., Course XV)
Applying Lean Manufacturing Concepts to a High-Mix Low-Volume Make to Order Environment

Andrew Roley

(See also Naval E., Course II)
Evaluation and Characterization Testing of Liquid Fuel Cell Chemistry for Applications in Unmanned Underwater Vehicles

Michael T. Schoder

(See also M.B.A., Course XV)
Distribution Network Optimization to Reduce Process Variability and Improve Throughput for an Online Retailer

Alexander Lorne Scott

(See also Naval E., Course II)
Development of Longitudinal Stability Criteria for Surface Submarines Through Use of Near Real Time Modeling

Kaymie Sato-Hayashi-Kagawa Shiozawa

Towards the Development of an Adaptive Rehabilitative Device

Alexander E. Siemann

A System for High-Throughput Materials Exploration Driven by Machine Learning

Ankita Singh

(See also M.B.A., Course XV)
Applications of Machine Learning and First-Principle Modeling to Evaluate Design Enhancements in Autoinjectors

Sarah Jenesen Southerland

(February, 2021)
Utilization of High Contaminant Recycled HDPE in Concrete Aggregate and Investigation into Additional Industrial Applications

Jamison Slater Soybel

(See also M.B.A., Course XV)
Designing a Make vs. Buy Strategy for Expendable and Attributable Aircraft Engine Development

Stephan Thorne Stansfield

Dynamic Primitives in Human Manipulation of Complex Objects

Riley M. Steindl

(February, 2021)
Developing the Detectability, Identifiability, and Trackability Analysis for the Space Sustainability Rating

Eric M. Stewart

Electroactive Polymer Actuators: Theory and Computations

Trevor James Thompson

(See also M.B.A., Course XV)
Modeling Air Source Heat Pump Adoption Propensity and Simulating the Distribution Level Effects of Large-Scale Adoption

Tatjana Toeldte

(See also M.B.A., Course XV)
Data-Driven Business Model Strategy Development for Incumbents in B2B Markets

Hannah Martin Varner

(September, 2020)
Architecture and Unit Design of a Capital Cost Optimized, Household Electrodialysis Desalination Device with Continuous Flow

Sandra L. Walter

(February, 2021)
Understanding Our Students: How Aspects of Students' Pre-Collegiate Lives Correlate with Self Advocacy, Confidence, and Risk Taking

Chad Thomas Wilson

Design, Modeling and Characterization of a Multiscale Heat Exchanger for High-Temperature, High-Pressure Applications

Emily Wu
High Throughput, Multiplex
Quantification via Nucleic Acid Chemical
Reaction Network Perturbation

Jieyuan Wu
(See also M.B.A., Course XV)
Leveraging Data Analytics to Evaluate
Proactive Interventions to Prevent
Inventory Defects

Sarah J. Wu
A Multifunctional Patch for Minimally
Invasive Tissue Sealing: Design Strategies
and Applications

**Master of Science in Naval
Architecture and Marine
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Engineering*

Declan Benedict Gaylo
Effects of Power-Law Entrainment on
Bubble Fragmentation Cascades

Nathan Ellis Maxwell
(See also S.M., Course II)
Design of a Trailer Capable, Open Ocean
Sailing Yacht

Brian Taylor Mills
(See also S.M., Course II)
Solving Time-Alignment Challenges
in Shipboard Non-Intrusive Load
Monitoring

Joseph William O Connell
(See also S.M., Course II)
Shipboard Fault Detection, Marine
Micro-Grid Power Diagnostics Vessel
Ventilation Monitoring

**Master of Science in Materials
Science and Engineering**
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and Engineering*

Timothy Samuel Fountain
(See also Naval E., Course II)
The Effect of Co on the Deformation
Response of Fe-Mn Alloys

William Hunt Harris
(September, 2020)
Machine Learning Transferable Physics-
Based Force Fields using Graph
Convolutional Neural Networks

Maria Rose Ronchi
Hydrogen-Induced Transformations in
Metastable High Entropy Alloys

Teppei Suzuki
Development of an Electrochemical
Method to Investigate the
Thermodynamic Behavior of Lanthanum
and Sulfur in Liquid Steel

Mengyi Wang
(September, 2020)
Multiscale Computational Modeling of
Nanofluidic Transport

Drew Michael Weninger
Photonic Integrated Circuit Packaging
Using Silicon Based Optical Interconnects

Fan Yang
(February, 2021)
Achromatic and Wide Field-of-View
Metalens Design

Xiang Zhang
Computational Studies of PbS Quantum
Dots

**Master of Engineering in
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Computer Science**
Course VI-P
*Department of Electrical
Engineering and Computer
Science in conjunction with the
Schwarzman College of Computing*

Helen Abadiotakis
(September, 2020)
Identifying Patterns of Learning: A
Case Study of MIT's Introductory
Programming Course (6.000x)

Katherine E. Adams
Understanding Correlated Threats to
Department of Defense Energy Systems

Janak Agrawal
(September, 2020)
Distributed Parameter Estimation for
Complex Energy Systems

Rebecca A. Agustin
(February, 2021)
A Load Identification and Diagnostic
Framework for Aggregate Power
Monitoring

Shahul Alam
(September, 2020)
Developing Software for Compressed
Imaging Transcriptomics

Simon C. Alford
Modular Reasoning on ARC via
Bidirectional, Execution-guided Program
Synthesis

Ebrahim D. Al Johani
(September, 2020)
Surface Transfer Doping of Diamond for
Power Electronics

Meia L. Alsup
(September, 2020)
Forecasting Electricity Demand in the
Data-Poor Indian Context

Varkey T. Alumootil
(See also S.B., Course VI-3)
Data-Efficient Offline Reinforcement
Learning with Heterogeneous Agents

Eswar Anandapadmanaban
(September, 2020)
vMCC: A Virtual Reality Framework for
Augmenting Mission Control Operations

Katharine E. Bacher
Direct Manipulation Techniques for
Creation of Multiple-View Visualizations

Nadya L. Balabanska
(September, 2020)
Motion Planning with Dynamic
Constraints Through Pose Graph
Optimization

Damian S. Barabonkov
Guarda: A Web Application Firewall for
WebAuthn Transaction Authentication

Roderick S. Bayliss III
(February, 2021)
Design, Implementation, and Evaluation
of High-Efficiency High-Power Radio-
Frequency Inductors

Eden Bensaid
(February, 2021)
Multimodal Generative Models for
Storytelling

Jackson R. Bernatchez
Clustering-Based Methods for Clinical
Risk Prediction of Rare Missense Variants

Matthew J. Beveridge
Consistent Depth Estimation in Data-
Driven Simulation for Autonomous
Driving

Darian Bhatena
Improving AI and ML Techniques for the
Objective Assessment of Depression

Srilaya Bhavaraju
(September, 2020)
Using Machine Learning for Analysis of
Neuronal Network Activity

Soorajath Boominathan
(September, 2020)
Learning Treatment Policies for Empiric
Antibiotic Prescription

El Bachir Boumhaout
(September, 2020)
A CAD Tools for Supermind Design

Kalyn Bowen
StarLogo Nova Dashboard for Teachers

Yun X. Boyer
(September, 2020)
Identifying and Assessing the Severity
of Acute Respiratory Distress Syndrome
with Machine Learning Methods

Eric Mahathvan Bradford
(February, 2021)
Interactively Designing Robots in Mixed
Reality Using Gestural Control

Haris Brkic
(February, 2021)
FMCW RFID Backscatter Localization

Joshua T. Brunner
Computational Complexity of Some
Puzzles and Games

Benjamin G. Cary
Design and Optimization of Umbo
Microphone for Fully Implantable
Assistive Hearing Devices

Lujing Cen
Learned Encodings in SageDB

Megan C. Chao
(February, 2021)
Physically Accurate Collisions for
StarLogo Nova

Nicholas G. Charchut
(September, 2020)
Implementation of a Cross-Platform
Automated Bayesian Data Modeling
System

Lantian Chen
(September, 2020)
Learning about Media Users from Movie
Rating Data

Sabina W. Chen
Developing Integrated Infrastructures for
Closed-Loop Interactive Systems

Seri Choi
(February, 2021)
An Empirical Study Identifying Bias in
Yelp Dataset

Jeff T. Chow
(February, 2021)
Certified Control in Autonomous
Vehicles with Visual Lane Finding and
LiDAR

Ian J. Clester
(September, 2020)
RFID Localization for Interactive
Applications

Peter B. Crocker
Explorations In Physically Verified
PCB Design Using Deep Reinforcement
Learning

Shiloh Curtis
A Hierarchical Algorithm for
Probabilistically Complete Path Planning
in Multi-Floor Environments

Miles J. Dai
Reverse Engineering the Intel Cascade
Lake Mesh Interconnect

Alenta Demissew
Integrating Grade Prediction for Better
Student Support in MIT's Introductory
Programming Course

Evan L. Denmark
(September, 2020)
A Technical Analysis of Photogrammetry
with Reality Capture

Kenneth A. Derek
Mutli-Agent Quality Diversity in
Reinforcement Learning

Thomas O. Dudzik
(September, 2020)
Robust Autonomous Navigation of a
Small-Scale Quadruped Robot in Real-
World Environments

Murielle Dunand
Tools and Curricula for Low-Vision
Accessible Apps in MIT App Inventor

Mahalaxmi Elango
Rewriting the Rules of a Classifier

Saroja Erabelli
(September, 2020)
pyFHE - A Python Library for Fully
Homomorphic Encryption

Yu Liang Fang
(February, 2021)
Instruction-Level Power Consumption
Simulator for Modeling Simple Timing
and Power Side Channels in a 32-bit
RISC-V Micro-Processor

Sarah R. Flanagan
Modular Interactive Modeling for
Control and Simulation of Electric Power
Systems

Diana J. Flores
Using High-Performance Computing to
Scale Generative Adversarial Networks

Sanjay Ganeshan
(February, 2021)
Mesh Regularization for Multi-View
Shape Reconstruction via Inverse
Graphics

Austin J. Garrett
(February, 2021)
Testing Model and Inference Programs
for Generative Scene Graphs

James H. Gilles
(September, 2020)
The Lottery Ticket Hypothesis in an
Adversarial Setting

Linda Z. Gong
Tolerant Testing of Regular Languages in Sublinear Time

Divya Gopinath
(September, 2020)
ML-Driven Clinical Documentation

Edward M. Goul
Smooth Interpolation on Series of Measures

Rachel Ann Green
Designing and Testing a Mobile Creative Coding Application for Children

Peter A. Griggs
(February, 2021)
Database Updates Using Interactive Pan and Zoom Visualizations

Katharina V. Gschwind
Model Compression and AutoML for Efficient Click-Through Rate Prediction

Grant W. Gunnison
(September, 2020)
Development of the Electronics Architecture for a Compact Lasercom Fine-Pointing System

Xiaolu Guo
Predicting Aortic Stenosis Severity using Deep Learning

Keshav Gupta
(See also S.B., Course VI-2)
Efficient Computation of Map-scale Continuous Mutual Information on Chip in Real Time

Helen M. He
Performance Engineering of Reactive Molecular Dynamics Simulations

Anthony Hernandez
An Evaluative and Recommendatory Tool to Make Sustainable Urban Development Decisions

Michael D. Hiebert
(See also S.B., Course VI-3)
Cross-Frame Association of Handheld-Radar-Based Detections of People and Animals with Gait Analysis

Joshua Ryan Hilke
Security Monitoring of Real-time Systems

Jenna Himawan
(See also S.B., Course VI-3)
Iterative Improvement of Practice Exercises By Students and Staff

Cole R. Hoffer
(February, 2021)
Superconducting Qubit Readout Pulse Optimization Using Deep Reinforcement Learning

Zachary N. Holbrook
ProgGen: Automatic Dataset Generation for the Halide Domain Specific Language

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Jason Zhang

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MEMS-VCSEL Swept-Source Optical
Coherence Tomography for Multi-MHz
Endoscopic Structural and Angiographic
Imaging

Molin Zhang

A Pipeline for Zoomed Fetal MRI

Nicolas Xuan-Yi Zhang

(February, 2021)
(See also S.M., Technology and Policy
Program)
Encryption to Implement Mechanism
Design Solutions

Qihang Zhang

(February, 2021)
Optical Spectroscopy Study of Correlated
Electron Physics in ABC-Stacked Trilayer
Graphene

Zhoutong Zhang

Inferring Shape and Material from Sound

Tianqi Zhou

(See also S.M., Engineering and Manage-
ment)
Addressing Deficiencies from Missing
Data in Electronic Health Records

Alexandra Katrina Zyttek

(February, 2021)
Applying and Evaluating Machine
Learning Explanations for Real-World
Benefit

**Master of Science in Chemical
Engineering****Course X**

*Department of Chemical
Engineering*

Long Bin Pan

(See also M.B.A., Course XV)
Implementation Roadmap and Real
Options Analysis for Biopharmaceutical
Technology Introduction

Amber Phillips

Synergistic Coordination Oxygen
Functional Groups with Catalyst Surface
Promotes Hydrogenolysis of Lignin
Model Compounds

**Master of Science in Chemical
Engineering Practice****Course X-A**

*Department of Chemical
Engineering*

Abdulrahman AlMashaan

(September, 2020)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Kexin Chen

(September, 2020)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Yi-Jung Chen

(September, 2020)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Lauren Clarke

(September, 2020)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Vishnu L. Dharmaraj

(September, 2020)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Ashna Dhingra

(September, 2020)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Taigyu Joo

Attended School of Chemical
Engineering Practice in Lieu of Thesis

Nikifar Lazouski

(See also Ph.D., Course X)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Alexander Justin McCarthy

(September, 2020)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Erin-Nhu-Chan Nguyen

(September, 2020)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Grace Helen Noel

(February, 2021)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Zayla Dean Schaeffer

(September, 2020)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Siddharth Ashwani Kumar Sharma

(September, 2020)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Krishna Shrinivas

(September, 2020)
(See also Ph.D., Course X)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Kevin Anton Spiekermann

Attended School of Chemical
Engineering Practice in Lieu of Thesis

Deepak Adarsh Subramanian

Attended School of Chemical
Engineering Practice in Lieu of Thesis

Albert Xiuyuan Wu

(See also Ph.D., Course X)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Zheng Yang

(September, 2020)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

**Master of Science in
Aeronautics and Astronautics**
Course XVI

*Department of Aeronautics and
Astronautics*

Nicholas Joseph Anastas
(September, 2020)
Augmented Reality Navigation System
for Human Traversal of Rough Terrain

Maria Regina Apodaca Moreno
(September, 2020)
Ionic Liquid and Lithium Salt Mixtures as
Ionic Sources

Caitlin Elizabeth Auffinger
(See also M.B.A., Course XV)
Evaluation and Implementation of
Augmented Reality for Aerospace
Operations and Sustainment

Josef X. Biberstein
Design of a Hybrid Micro Aerial Vehicle
Concept with Multicopter and Vectored
Thrust Modes of Flight

Lukas Frederik Jakob Brink
(September, 2020)
Modeling the Impact of Fuel
Composition on Aircraft Engine NO_x, CO
and Soot Emissions

Jacob Broida
(February, 2021)
Active Policy Querying in the Service
of Robust Execution for Human-Robot
Collaboration Tasks

Rebecca Leigh Browder
(See also S.M., Technology and Policy
Program)
From the Earth to the Moon: Economic
Viability of Commercial Spaceports and
Science and Technology Planning for MIT
Lunar Exploration

Amelia Rose Bruno
Design of a Bimodal Chemical-
Electrospray Propulsion System Using
Ionic Liquid Monopropellants

Humberto L. Caldelas II
Experimental Design of Electrophilic Gas
Injection System for Plasma Blackout
Mitigation During Hypersonic Reentry

Katherine Margaret Carroll
Agent-Based Modeling of Population
Activity in Complex Terrestrial and
Martian Sites

Mark Chang
(September, 2020)
A Control-Theoretic Approach to Forced
Response System Identification of Rocket
Engine Turbopump Cavitation Dynamics

Yun Chang
Robust and Lightweight Localization and
Dense Mapping for Multi-Robot Systems

Juliette L.M. Chevallier
(See also M.B.A., Course XV)
Enabling Autonomy in Commercial
Aviation: An Ontology and Framework
for Automating Unmanned Aircraft
Systems (UAS)

Joseph Donald Chiapperi
Attributes of Bi-Directional
Turbomachinery for Pumped Thermal
Energy Storage

Christopher Ho-Yen Chin
Disruptions and Robustness in Air Force
Crew Scheduling

Gregoire Alain Chomette
A Computational Framework for the
Large Scale Simulation of the Dynamics
of Highly Flexible Filaments in a Viscous
Flow

Christopher Philip Clark
A Feasibility Study of CubeSat
Architectures for Space Debris Removal
from Low Earth Orbit

Mario Melendrez Contreras
Low-Thrust Controller for Slot-Based
Satellite Constellations

Philip Daniel Cotter
(See also M.B.A., Course XV)
Implementing Large Format Additive
Manufacturing in Aerospace Tooling via
Process Integration and Finite Element
Analysis of Print Performance

Andrew T. Cummings
(September, 2020)
(See also S.M.(Earth & Planet. Sci.),
Course XII)
Characterization of Solar X-ray Response
Data from the REXIS Instrument

Rosemary Katherine Davidson
(September, 2020)
Modeling Current and Future Telescope
System Concepts for Exoplanet
Exploration

Charles Burke Dawson
Safe and Efficient Motion Planning
through Chance-Constrained Nonlinear
Optimization

George Thomas Denove
Multiple Target Tracking in Experimental
Multistatic MIMO mmWave Radar
Sensor Networks

Sydney Dolan
Control and Convolutional Neural Net
Based Pose Estimation for On-Orbit
Assembly

Skylar Eiskowitz
A Machine Learning Approach for
Forecasting with Limited Data and for
Distant Time Horizons

Meng Feng
Model-Based Learning and Planning
for Intelligent Manipulation Using
Probabilistic Hybrid Models

Kanika Gakhar
(September, 2020)
Effect of Freestream Turbulence on
Boundary-Layer Loss Generation

Sarah Margaret Gonzalez
Assessment of Powered Ankle
Exoskeleton on Human Stability and
Balance

Jennifer Nicole Gubner
The Deformable Mirror Demonstration
Mission (DeMi) On-Orbit Analysis

Lucy S. Halperin
Rotational Transformation Methods
for Radio Occultation and Passive
Microwave Radiometry Colocation
Analysis

Travis John Hank
Capillary Effects of Nanoporous
Networks on Aerospace Autoclave-Grade
Prepreg Composites Enabling Vacuum-
Bag-Only Manufacturing

Alvin Donel Harvey

(September, 2020)
Partial Gravity Simulators, Harness Design, and an Examination of Gait Transitions in Partial Gravity

Robert Tomos Johanson

(See also M.B.A., Course XV)
Application of Novel Additive Manufacturing Techniques for Cost Reduction in Space Launch Vehicles

Elias Bradley Johnson

A Rational Design Process

William John Kammerer III

(September, 2020)
Thermoelastic Modeling of the CubeSat Laser Infrared Crosslink (CLICK) Payloads

Brandon Leshchinskiy

(See also S.M., Technology and Policy Program)
Addressing Climate Change through Artificial Intelligence and Education

Kelvin Man Yiu Leung

Accelerating Bayesian Computation in Earth Remote Sensing Problems

Miles Thelonious Keylor Lifson

(September, 2020)
(See also S.M., Technology and Policy Program)
A Study of Emerging Space Nation and Commercial Satellite Operator Stakeholder Preferences for Space Traffic Management

Michael Adam Luu

On-Orbit Servicing System Architectures for Proliferated Low Earth Orbit Constellations

Eric Andrew Magliarditi

(September, 2020)
Tradespace Analysis for Earth Observation Constellations: A Value Driven Approach

Benjamin Charles Martell

Experimental Investigations of Corona Discharge and It's Applications for Aircraft Charging

Adriana Macieira Mitchell

Outlier-Robust Multi-View Triangulation Using Graduated Non-Convexity for Space Vehicle Navigation

Sarah Jo Morgan

Reconfigurable Satellite Constellations for Mobile Target Tracking

Thomas J. Murphy III

RadioSTAR (Radio Spacecraft for Telecommunications Assessment and Risk-Reduction): A 3U CubeSat for Validation of Ground Stations and Link Budgets

Angela Marie Murray

(See also M.B.A., Course XV)
Considerations for Defense Contractors Entering the Small Satellite Market

Maya Nasr

(February, 2021)
Composition Sensors Calibration and Characterization and Warmup Analysis for the Mars Oxygen In-Situ Resource Utilization Experiment (MOXIE)

Golda Minh Ý Nguyen

(September, 2020)
Quantification of Compensatory Torso Motion in Post-Stroke Patients Using Wearable Inertial Measurement Units

Alexander Rudolph Nickles

(See also M.B.A., Course XV)
Identifying and Assessing Aerospace Parts for Production in Additive Manufacturing

Charles Edward Oestreich

Robust Control and Learning for Autonomous Spacecraft Proximity Operations with Uncertainty

Chelsea Nneka Onyeador

(February, 2021)
Simulation of Lees-Dorodnitsyn Hypersonic Laminar Boundary Layers with Temperature-Dependent Properties

James A. Peraire-Bueno

Inferring the Existence of Geometric Primitives to Represent Non-Discriminable Data

Daniel Pekka Poe

Firn Impact and Aerodynamics of an Air-Dropped Ice Penetrator

Allison Paige Porter

(September, 2020)
Design of Soft Knee Exoskeleton and Modeling Effects of Variable Stiffness for Advanced Space Suits and Planetary Exploration

Cassandra Victoria Marie Pradon

Estimating Launch Vehicle Trajectories and Atmospheric Emissions

Thomas González Roberts

(See also S.M., Technology and Policy Program)
Geosynchronous Satellite Maneuver Classification and Orbital Pattern Anomaly Detection via Supervised Machine Learning

Christopher D. Roll

Decreasing Size, Weight, and Power of Opto-Mechanical Assemblies Using Single-Crystal Silicon

Madeleine R. Schroeder

Numerical Characterization of Fragmentation in Ionic Liquid Clusters

Jingnan Shi

Graph Theoretic Outlier Rejection: From Registration to Category Level Perception

Matthew James Shorter

Small Gas Turbine Engine Scaling and Experimental Design

Martina Katherine Stadler

(September, 2020)
Learned Functions for Perceptually Informed Robot Navigation

Geoffrey Karl-Georg Svensson

(September, 2020)
1D Scramjet Model for Ethylene Combustion

Andrew Joseph Torgesen

Autonomous Sensing and Mapping in Challenging Environments Using Unmanned Air Vehicles in Single- and Multi-Agent Settings

Shane Jesse Vigil

(See also M.B.A., Course XV)
Automating Flow of a Material Handling System

Allen Mengyu Wang
(September, 2020)
Moment Methods for Chance-
Constrained Motion Planning for
Autonomous Vehicles

Grace Wijaya
System-Level Optimization of Urban Air
Mobility

Xinyu Wu
(September, 2020)
An Influence Model Approach to Failure
Cascade Prediction

**Master of Engineering in
Biomedical Engineering**

Course XX-P
*Department of Biological
Engineering*

Divya Ravinder
Using Machine Learning to Increase
the Predictive Value of Humanized
Mouse Models for the Human Immune
Response to YFV-17D

**Master of Science in Biological
Engineering**

Course XX
*Department of Biological
Engineering*

Stephen Christopher Van Nostrand
(September, 2020)
Computational Analysis of Intercellular
Communication in APC-Driven
Colorectal Cancers with Varying KRAS
Mutational Status

Karren Dai Yang
(February, 2021)
(See also S.M., Course VI)
Novel Methods for Learning Causal
Graphs and Applications to Biological
Data

**Master of Science in Nuclear
Science and Engineering**

Course XXII
*Department of Nuclear Science and
Engineering*

Jacob Edward Bickus
Monte Carlo Method for Calorimetric
NRF Cargo Screening

Lige Liu
(See also S.M., Course VI)
Development of a Multipurpose Near-
Field Imaging Platform

Monica V. Pham
Advancing State-of-the-art Multiphase
CFD Modeling for PWR Applications

Mohammad Shahin
(September, 2020)
Irradiation Effects on Mechanical and
Physical Properties of SS304L-Nanotube
Composites

**Master of Applied Science in
Supply Chain Management**

*Program in Supply Chain
Management*

Yashar Ahmadov

Syed Tanveer Ahmed

Ars-Vita Islamia Alamsyah

Valentina Anzola

Nicholas Charles Samuel Artman

Jacob Mattias Backstrom

Catherine Oswald Ballali

Jonathan Eduardo Camargo Henao

Kristin Katharine Cameron

Tzu-Ning Chao

Danning Chen

Aidar Darmesh

Dana Jo DeSutter

Federico Guillermo dos Santos Izaguirre

Esat Efendigil

Yixuan Fang

Jieming Feng

Paulo Sergio Franca de Sousa Jr.

Sherry Gao

Song Gao

Sachin Kumar Garg

Olivia Claire Goldman

Fernando Gonzalez Gil

Rafael Grillo Illipronti

Langdon Sheffield Hollingsworth

Sai Priyanka Jarugumilli

Kawin Jungsakulrujirek

Chi-Wei Kong

Aviva Tova Kosansky

Niranjini Kumar

Lipsi Kumari

Krishna Vijaya Kuppuswamy

Jordan Michael Leising

Adriana Lembcke Berninzon

Teng Yi Li

Yu Xuan Liu

Ramón Alberto Mantellini

Roogers Marino

Alexander Clayton Miller

Marcos Alberto Mogollon Linares

Mauricio Moreno Sanchez Briseno

Rebecca Anne Nolan	Cosmo Valentino	Funmilola Adeoti Asa (September, 2020) Application of MBSE to Oil and Gas Project / Product Management Cycle – A Model-Based Development Approach for Engineering Management and Design
Jason Youzhi Pang	Ornipha Vongasemjit	
Sena Perk	Ryan Christian Wilson	
Daniel Piechnik	Zeyu Wu	Kayhan Babakan (September, 2020) Predictive Analytics for Crude Oil Tanker Markets
Lukasz Ploszczuk	Junlin Xiang	
Danielle Enscoe Procter	Feng Zhu	
Fabian Lucas Ptok	<u>Master of Engineering in Supply Chain Management</u> <i>Program in Supply Chain Management</i>	Brandon Scott Baylor (September, 2020) A System-Theoretic Approach to Oil & Gas Assurance Programs
Namuun Purevdorj		Western Bonime Superfuture: How Global Superminds Can Use Immersive Experiences to Build a Positive Future
Saad Bin Rehan	Sanchita Das Delivering Locally Sourced Nutritious Food Baskets in India	Katherine Amae Brown (September, 2020) Valuing Investments in Agile Project Design: Examples for Upstream Oil and Gas Development
Maria Fernanda Reyes Castillo		
James William Rose	Juan David Suarez Moreno Power Influence in Horizontal Collaboration Relationships	
Michelle Catherine Roy		
Omar Mahmoud Sakr	<u>Master of Science in Engineering and Management</u> <i>Program in System Design and Management</i>	Rachel Lynn Cabosky (September, 2020) Application of Hierarchy to STPA: A Human Factors Study on Vehicle Automation
Austin Iglesias Saragih		
Leora Reyhan Sauter		
Olivia Hope Schaufenbuel	Saket Kashyap Adhikarla Conceptualizing an Online Platform to Facilitate Purposeful Serendipity, Meaningful Networking and Hiring Through Play and Creative Collaborations	Ethan Levi Carlson Operationalizing Psychophysiological Correlates of Mobile App User Experience
Amy Kathryn Schwendenman		
Alessandro Scutari		
Abhijeet Singh	Taylor Hartley Andrews (February, 2021) (See also S.M., Course VI) Cybersafety Tool Development for Socio-Technical Energy Delivery Systems	Christopher Everett Carson (February, 2021) An Integrated Model-Based Approach to Improving Project Control in Department of Defense Acquisition
Scott Michael Sladeczek		
Kelly A. Sorel		Tejas Chafekar A Systems Analysis and Technology Roadmap for Autonomous Long-Haul Cargo Transport
Blake Evan Stimpson	Nyoman Anjani (February, 2021) Absorptive Capacity and Innovative Performance Frameworks for SMEs: Case Studies from Manufacturers in Indonesia	
Matthias Stolz		Sin Kai Chan Investigating the Hydrogen Supply Chain for Low-Carbon Power Generation Under Future Uncertainties: A Tradespace Exploration Approach
Amr Mohammad Taiyeb (September, 2020)	Afra Ansaria (See also S.M., Course VI) A Decision Model on Optimising Cybersecurity Controls Using Organisation Preferences	
Rui Yin Tan		
Arturo Torres Arpi Acero		

TaHang Chen
(See also S.M., Course VI)
An Artificial Intelligence Based Approach
to Automate Document Processing in
Business Area

Joshua Creamer
(September, 2020)
Redesigning Venture Capital

J. Roland de Filippi
(September, 2020)
A Systems Approach to Trace Space
Needs for the MIT Campus, 1920-2019

Andrea Patricia Diaz Baquero
Super Apps in Emerging Markets:
Business and Platform Strategy

Oladipupo Josiah Doherty
(September, 2020)
Data Literacy in the Digital Age:
Experience Design for a Workplace
Learning Solution

Tomás C. Egaña Tomic
(February, 2021)
A Maturity Model for Process Data
Analytics in Biopharmaceutical
Manufacturing

Maria Paz Etcheverry
Engineering Options Analysis of Dual
Hydrogen - Natural Gas Fueling: A Texas
Power Plant under Carbon Price

Georgios Fardelas
(See also Naval E., Course II)
Ship Design Through Axiomatic Design
Approach, Sustainable Engineering
Principles and Artificial Intelligence
Methods

Erwin Franz
Development of a New Technology to
Treat Obstructive Sleep Apnea

Jonathan George Fry
(February, 2021)
Design and Evolution of Large Scientific
Experimental Facilities: Strategy and
Implementation

Takeshi Fukatsu
(September, 2020)
Exploring Architectural Transformation
to Improve Value of Plant EPC Business –
Case Study of LNG Production Plant

Juan Cristóbal García Sánchez
(September, 2020)
The Entrepreneurial University:
Engineering Research, Education and
Catalyzing Innovation

Jordan Henry Gowen
The Influence of Physicality and Remote
Collaboration in Moments of Design
Convergence

Dro Jonathan Gregorian
A System-Theoretic Approach to Risk
Analysis

Brady Meikle Hammond
(See also Naval E., Course II)
Hydrodynamic Interactions of an
Unmanned Underwater Vehicle
Operating in Close Proximity to a
Moving Submarine

Nicholas Ryan Hanley
(September, 2020)
An Assessment of Production Policies
in the U.S. Navy's Primary Aviation
Training

Brian James Heilbrun
(September, 2020)
AI Assistant for the Oil & Gas Production
Engineer

Zhuoqiao Hong
(September, 2020)
Pro-social Messages Effects in Job Posting
using Machine Learning

Brendan Kelly Horton
(September, 2020)
A Systems Architecture Approach to
the Design of Autonomous Underwater
Vehicles and their Servicing Platforms

Yunke Hua
A Systems Approach to Effective AIOps
Implementation

Henry Alan Hui
An Engineering Systems Approach to
Production Planning of Optical Systems

Kritisha Kantilal Jain
Making Makerspaces Accessible for
People with Visual Impairment

Gulsagar Singh Jassar
(February, 2021)
Patterns of Supply Dynamics in
Competitive Scooter Sharing System

Allison Johnson
(September, 2020)
System Engineering Applied to Early
Phase Offshore Oil and Gas Projects

Thomas Merle Johnson
(February, 2021)
Managing Discovered Scope Within
Hybrid Agile Stage-Gate Project Delivery
Systems

Eric Jamison Jones
(September, 2020)
Evaluating the SFLC Industrial
Operations Organization and Delivery
of Depot Maintenance to Stakeholders
Through a Systems Thinking Approach

Teis Djernaes Jorgensen
Changing the Rules of the Game: Rule-
Adjustment Mechanics in Tabletop
Games

Yashodhan Vinay Joshi
Digital Transformation, Ecosystem
Design, and Platform Strategy: An IIoT
Perspective.

Masato Kawano
Evaluating Urban Residence Options
to Meet Zero Energy Requirements:
Simulation-Based Tradespace Exploration
of Yokohama Considering Energy
Production, Consumption, and Life-Cycle
Cost

Alan Kharsansky
(September, 2020)
A Systemic Approach Toward
Operable and Highly Scalable Satellite
Constellations

Nahun Kim
Identifying the Prevalence and Effects
of, and Motivations for Online Search
Activities during Birth

Keiji Kimura
The Effect of Introducing Mobility as a
Service Technologies on the Populations
in Urban and Suburb Areas

Aditi Kumar
Design Alternatives to Online Proctoring Software

Shunsuke Kuribayashi
Investigating the Impact of Technology Progress on Bridging the Technological Valley of Death for Future Fusion Energy

Mollie Burke LeBlanc
(September, 2020)
Digital Twin Technology for Enhanced Upstream Capability in Oil and Gas

Jeffrey Liang Lee
(September, 2020)
Bayesian Calibration of In-line Inspection Tool Tolerance

Xuedong Li
(February, 2021)
Digitalizing R&D in the Manufacturing Sector: Machine Learning, Infrastructure, System Architecture and Knowledge Management

Caine Xia Ri Liew
(September, 2020)
Japan's Offshore Energy Transition: A System Dynamics Approach

Katherine Mei Fong Liew
Computer-Aided Design Tools for Superminds: Understanding User Needs and Evaluating Design Options

Prakash Manandhar
(September, 2020)
Measuring Attention Allocation in Model-Based Engineering Teamwork

Sucharitha Manyala
(February, 2021)
M&A Outcome Analysis from Deal Rationale Perspective in Technology Sector

Jonathan Bailey Marcus
Digital Strategy for Consumer Products

Kevin Patrick McDonough
Detecting the Influence of Stakeholders' Mental Models on Emergent Collective Awareness in Instrumented Teamwork Workshops

Yu Miyashita
(September, 2020)
Multi-Criteria Design Analysis of Sensor Systems for Railway Level Crossings

Nelson Dario Muñoz Abreu
Venture Studios: A New Asset Class Creating Opportunities for Investors and Entrepreneurs

Maya Elizabeth Ruwayn Murad
ADM Registries: Enabling Multi-Stakeholder Engagement in Algorithmic Decision Making Systems

Patrick Abraham Nepsky
(See also S.M., Course VI)
Enhancing Corporate Strategy Using Data-Driven Business Growth Decisions

Ajie Nayaka Nikicio
(February, 2021)
Architecting SatCom Enabled Early Warning Systems in Indonesia

Ke Ning
(February, 2021)
Data Driven Artificial Intelligence Techniques in Renewable Energy System

Connery Noble
(February, 2021)
Powering Through The Turn: Finding Time for Concept Exploration Before Industry Stagnation

Tochi Nwachukwu
(February, 2021)
Blockchain-as-a-Service: The Effect of Cloud Computing and Vice-Versa

Shi Chao Ou
Innovating by Behaving: How to Adopt the Startup Culture in Large Companies

Benjamin Francis Partington
(September, 2020)
A Digital Approach to the Management of Brownfields

James T. Pennington
(September, 2020)
Semiconductor Industry Merger and Acquisition Activity from a Technology Maturity and Intellectual Property Perspective

Michael Vance Pickering
(September, 2020)
Improved Reservoir Characterization by Incorporating Geodetic Data in a Western Kazakhstan Oilfield

Monisha Pushpanathan
(September, 2020)
Inferring Insulin Regimen from Clinical Notes

Daniel F. Rahill
(September, 2020)
Collaboration Effectiveness in Energy Research and Development: An Empirical Study of Patents

Joseph Brian Robinson
(February, 2021)
Connecting the Military Radiofrequency Capability Ecosystem: An Industry Platform Approach to Deliver at the Speed of Relevance

James David Ruckdaschel
(September, 2020)
The Influence of Gasoline Prices and Consideration Sets on the Fuel Economy of New Vehicle Sales

Phillip Dean Schmedeman
Predictive and Prescriptive Analytics for Airport Slot Allocation

Darien Alexis Sears
(See also Naval E., Course II)
Naval Surface Ship Maintenance: An Unconventional Approach to Improve Performance

Elvis Shehu
COVID-19 Therapeutics – A Landscape Analysis Using Systematic Reviews and Clinical Data

Anuraag Singh
(September, 2020)
A Technological Domain Description and Estimates of Rate of Improvement for All Technologies

Thomas Llewellyn Smith
(February, 2021)
The Potential for Plant-Based Meat in Africa - A Proposed New Approach Using a Systems Design Methodology

Aaron D. Stinnett

(September, 2020)
Developing the Empathy UX: A Study in Building Empathy Through Technology and Media

Tao Sun

(See also S.M., Course VI)
A Deep Learning Based Real-Time Pedestrian Recognition System

Nitchakorn Tangsathapornpanich

Tradespace Analysis of Workplace Health Systems Focusing on Diabetes

Nithin Thekkupadam Narayanan

(February, 2021)
Maximizing Value Creation in Agile Sprints

Aditya Thomas

(September, 2020)
Determining Policy for a System Dynamics Model Using Reinforcement Learning

Michael Thomas Trevathan

(September, 2020)
The Evolution, Not Revolution, of Digital Integration in Oil and Gas

Prabhakar Tripathi

Building Resilient Supply Chain Using Interactive Visualization

Andrew Tsang

The Design and Implementation of Decentralized Sanitation Systems for Densely Populated Areas

ML Ujwal

Systems Pharmacology – Machine Learning Approaches in Profiling Oncology Drug Candidates

Ogbogu Dike Ukuku

(See also M.B.A., Course XV)
Addressing Venture Growth in Nigeria Through 'Entrepreneur-Centered' Design: A Framework for Accelerating Entrepreneurship Development Applied to Consumer Brand Entrepreneurs

Nazlı Ece Usta

Designing for Student Well-Being

Cory Elizabeth Ventres-Pake

Designing for Accessible Governance Innovation in Sierra Leone

Daniel Joseph Visosky

(September, 2020)
The Use of Cost, Schedule, and Performance In the Implementation of Defense Acquisition Initiatives

Caitlin Louise Williams

(February, 2021)
Systems Approach for Evaluating the Transitioning Retail Transportation Fuel Energy Market

Oliver John Wilson

(September, 2020)
Machine Learning for Well Rate Estimation: Integrated Imputation and Stacked Ensemble Modeling

Fei Yang

(September, 2020)
From Digitalization to P&L: Integrating the Value Chain of Energy Industry to Improve Social and Financial Profits

Sam M. Yoo

A System-Theoretic Approach to Risk Analysis

Allison Tianyun Zhang

Align Mental Models for Product Development through a Quantitative Approach for Subject Matter Expert Interviews

Tianqi Zhou

(See also S.M., Course VI)
Addressing Deficiencies from Missing Data in Electronic Health Records

Master of Science in Transportation**Nicholas Samuel Caros**

Course I
Leveraging Spatial Relationships and Visualization to Improve Public Transit Performance Analysis

Mary Rose Fissinger

Course I
(September, 2020)
Behavioral Dynamics of Public Transit Ridership in Chicago and Impacts of COVID-19

Rachel Li-Jiang Luo

Course XI
(See also M.C.P., Course XI)
Data-Driven Customer Segmentation: Assessing Disparities in COVID Impact on Public Transit User Groups and Recovery

Rubén Grayson Morgan

Course I
(See also M.C.P., Course XI)
A Fare Approach to Attracting Transit Ridership After Covid-19

Benjamin C. Sanchez

Course I
New Revenue Management and Distribution Technologies in the Airline Industry: Legal, Regulatory, and Commercial Implications

Kevin Xu Shen

Course I
(February, 2021)
(See also S.M., Technology and Policy Program)
Uneven Mobility: Injustice in Accessibility and Urban Experimentation

Qing Yi Wang

Course I
(September, 2020)
Transit Extraboard Operators Scheduling

Yunhan Zheng

Course XI
(See also M.C.P., Course XI)
Equality of Opportunity in Travel Behavior Prediction with Deep Neural Networks and Discrete Choice Models

Naval Engineer

Course II
Department of Mechanical Engineering

Georgios Fardelas

(See also S.M., Engineering and Management)
Ship Design Through Axiomatic Design Approach, Sustainable Engineering Principles and Artificial Intelligence Methods

Timothy Samuel Fountain

(See also S.M., Course III)
The Effect of Co on the Deformation Response of Fe-Mn Alloys

Matthew Warren Hait
(See also S.M., Course II)
A Hydrodynamic Analysis and
Conceptual Design Study for an External
Storage Enclosure System for Unmanned
Underwater Vehicles

HongSeok Cho
(September, 2020)
Operational Design Domain (ODD)
Framework for Driver-Automation
Integrated Systems

Brady Meikle Hammond
(See also S.M., Engineering and Manage-
ment)
Hydrodynamic Interactions of an
Unmanned Underwater Vehicle
Operating in Close Proximity to a
Moving Submarine

Emily Madeline Mellin
(See also S.M., Course II)
Using Biomimetics to Improve the
Maneuvering Performance of the
Expendable Mobile Antisubmarine
Warfare Training Target (EMATT)

Steven Andrew Musselwhite
(See also S.M., Course II)
Methods to Reduce Backlogged
Maintenance of Los Angeles Class
Submarines

Andrew Roley
(See also S.M., Course II)
Evaluation and Characterization Testing
of Liquid Fuel Cell Chemistry for
Applications in Unmanned Underwater
Vehicles

Alexander Lorne Scott
(See also S.M., Course II)
Development of Longitudinal Stability
Criteria for Surfaced Submarines
Through Use of Near Real Time
Modeling

Darien Alexis Sears
(See also S.M., Engineering and Manage-
ment)
Naval Surface Ship Maintenance: An
Unconventional Approach to Improve
Performance

**Engineer in Aeronautics and
Astronautics**
Course XVI
*Department of Aeronautics and
Astronautics*

SCHOOL OF HUMANITIES, ARTS, AND SOCIAL SCIENCES

Master of Applied Science in Data, Economics, and Development Policy

Course XIV
Department of Economics

Nouf Abushehab
(September, 2020)

Isadora Angelini Frankenthal
(September, 2020)

Akshay Choudhary
(September, 2020)

Adetoun Y. Dapo-Famodu
(September, 2020)

Ritesh Kumar Das
(September, 2020)

Brian Nick Daza Vigo
(September, 2020)

Max Ghenis
(September, 2020)

Zuo Min Goh

Harsh Dev Goyal
(September, 2020)

Junita Monique Henry
(September, 2020)

Frank Hoekman
(September, 2020)

Zhe Fredric Kong
(September, 2020)

Helena Wajnman Lima
(September, 2020)

Wei Lu
(September, 2020)

Lovemore Mawere
(September, 2020)

Mauricio Mondragón Delgado
(September, 2020)

Jing Kai Ong
(September, 2020)

Bernardo Olaf Tlahui Oseguera Zapata
(September, 2020)

José Fernando Pinilla Bustamante
(September, 2020)

Gailius Praninskas
(September, 2020)

Alexandria Noel Symonds
(September, 2020)

Manil Nadir Zenaki
(September, 2020)

Master of Science in Political Science

Course XVII
Department of Political Science

Joan Vicki Joseph
The Diversified Business Group and the
Margins of Labor Market Adjustment to
Real Exchange Rate Misalignment

Master of Science in Science Writing

Course XXIW
*Program in Writing and
Humanistic Studies*

Ashley Noel Belanger
(September, 2020)
Where the Desert Ghost Roams

Fernanda de Araujo Ferreira
(September, 2020)
Unraveling the High Heel

Rachel Fritts
(September, 2020)
Plague on the Prairie: The Fight to Save
Black-Footed Ferrets from the West's
Most Insidious Disease

Jessica L. Hendrickson
(September, 2020)
A Biography of the Second

Lucy Marita Jakub
(September, 2020)
Sea of Change

Kate S. Petersen
(September, 2020)
Aliens Inferred

Master of Science in Linguistics

Course XXIV
*Department of Linguistics and
Philosophy*

Tracy Michelle Kelley
(September, 2020)
Kun8seeh - An Online Approach to
Teaching & Learning Conversational
Wôpanâôt8âôk

Annauk Denise Olin
Iñupiatun Iñugu**lavut Miqliqtuvut: Let
Us Raise Our Children in Iñupiaq

Roger L. Paul
(September, 2020)
Skicinuwatu Toke: Speak
Passamaquoddy Now

Hanzhi Zhu
(September, 2020)
Already: Just Scalarity

Master of Science in Comparative Media Studies

*Program in Comparative Media
Studies*

Diego Alonso Cerna Aragon
Disputing Facts, Disputing the Economy:
Media Controversies at the Decline of the
Peruvian Miracle

William Sorokin Freudenheim
The Network and the Classroom:
A History of Hypermedia Learning
Environments

Elon Brae Justice
Hillbilly Talkback: Co-Creation and
Counter-Narrative in Appalachia

Andrea Shinyoung Kim

Virtual Worldmaking: A Phantasmal
Media Approach to VRChat

Roya Madoff Moussapour

Cashing in on Student Data:
Standardized Testing and Predatory
College Marketing in the United States

Michael Philip Sugarman

Playing It By Ear: Improvisation and
Music Livestreaming During COVID-19

Kelly Barbara Wagman

Sex, Power, and Technology: A Relational
Engineering Ethos as Feminist Utopia

SLOAN SCHOOL OF MANAGEMENT

Master of Business

Administration

Course XV-A (Sloan Fellows)

Sloan School of Management

Jonathan Philip Acquaviva

Ali Artine Adoudou

Ahmad Alsaawy

Shinji Angata

Ilknur Bechir

Thiago Moreno Bertani

Michael Billingsley

What is the Value of the Postal Service?

Fabian Fernandes Bruzon

Nayeli Calderon Urtes

Andres Canela Mejia

Etienne Américo Cartolano Júnior

Varun Kumar Chimbli

Joshua Andrew Chisholm

Rebecca Churt

Julie Clauss

Zeina Dagher-Mansour

Carlos Theodorico De Freitas

Luis De la Mora Perez

Jolani de la Porte

Navraj Deol

Kenneth James Drodgy

Brian C. Erickson

Kenneth Fan

Keitaro Fujii

Maria Gabriela Gallinal

Kevin M. Gentil

Distributed Energy Platforms: Who Will Lead the Next Electricity Revolution?

Anirban Ghosh

Nicholas Brian Giglio

Juan Edgardo Goldenberg Ibáñez

Orly Goldsmith Oppenheim

Cristian Leonardo Gonzalez Ruiz

Tom Harari

Po Yan Ho

Mototsugu Hoshino

NaNa Hwang

Ahmed Ibrahim Mohamed Tageldin Ibrahim

Zain Sulaiman Jamal

Anoosheh Kalantari

Almas Kaptagayev

Roman Vakhitovich Khabibulin

Building Efficient Virtual Sales Organizations

Baheirah Hammam Khusheim

Carla Kinugawa

Mark Kristian Kummer

Madiyar Kumurbekov

Christopher K. Leiter

Oscar Mauricio Lizcano Arango

Stella Dulce José Machel

Joshua Frank Madej

Hamad Mahmood

Building Efficient Virtual Sales Organizations

Venkata Narasimha Rao Malisetti

Tyler Vaughn Marshburn

Gaurav Mehta

Tim Michel Meulemeester

Hideharu Midorikawa

Joohi Mittal

Rafael Monroy Mejía

Manuel Armando Montes

Yoshimi Oku Morishita

Daniil Mossyakov

Melissa Erin Murphy

Pradeep Muthuswamy

Matthew Ray Nastos

Yochanan Nelson Levy, Sr.

Roberta Oshiobugie

Richard Joseph Porteous

Henry Pott

Shabda Prakash

Thomas Edward Quarmby

Alexandre Stewart Reis Moreira
Will You Like It? A Behavioral
Understanding to Model Social Media
Attraction Factors to Athletes' Brands
and Posts

Luis Alberto Rodriguez Mora

John David Rulien

Luis Salas Del Valle

William Joseph Sangster

Sumit Saraf

Mikkel Irminger Sarbo

Nasr Faisal Sattar

Vipul Sawhney

Navroop Singh Sehmi

Priyanka Shekar

Yohei Shirasaka

Rishi Raj Shroff

David Reinhart Eduard Charles Son-
dakh

Nirmal Srinivas

Peter E. Stephens

Jeffrey Swiryn

Kazuhiro Tada

Junming Tang

Prashant Tibrewal

Thuy Anh Vu

Satoshi Wada

Christopher Mungo Wallace

Haibin Wen

Brittany L. White

Erik David Wisecup

Asset Yerali

Laura Maratqzy Yerali

Hiroshi Yoshida

Charbal Malki Yousef

Zheng Zhou

Master of Business
Administration
Course XV-E (Executive)
Sloan School of Management

Asim Naeem Akram

Jane Rebekah Allard

Srinivas Kumar Attipalli

Hector Baeza

Trevor Wayne Barcelo

Oscar John Benavidez

Vikas Kumar Bhaiya

Isabelle Emma Billat

Gregory Harper Bledsoe

Benjamin Keith Brown

Andrei Bubnov

Marjorie Claire Cass

Jotpreet Singh Chahal

Derek Anthony Christensen

Mark Warren Clemens II

Sean Matthew Corbett

Jaime Coronado Barbosa
Digital Transformation in Sales and
Operations Planning

Jennifer Christine Cummins-Askew

Matthew Christopher Currid

Alessia De Vito

Samantha Dekka

Carl Kwaku Dey

Jagjit Singh Dhaliwal

Azza Diasti-Kennedy

Keith Richard Diggans

Joseph David Domino

Daniel Adam Doneson

Nathaniel Armand Dutile

Kurt Ulrich Ehrig

Belma Erdogan-Haug

Toshinori Esaka

Isabel Espina Carvajal

Erick Jayson Forbes

Adam Merritt Fox

Si Hui Fu

Maria Paquerette Galou ep Lameyer

Melissa M. Gamble

Michael Thomas Guay

Andrea Guendelman

Marco Aurélio Guerra de Sá

Sedat Gunes

Gregory Lee Hackney	Robert Todd O Hara	Aimee Kathleen Weeden
Christopher Alan Hagemo	Kirsten Cecilie Odegard	Sarah Kristin Young
Nicholas D. Harris	Gbemisola Ogunyomi	<u>Master of Business</u>
Nava Hazan	Purushottam Pawar	<u>Administration</u>
Cynthia Lee Hendrickson	Logan Powell	Course XV
Jesse Dylan Honigberg	Paolo Privitera	<i>Sloan School of Management</i>
Kevin Dwayne Johnson	Ryan Alexander Pugatch	Bechara Abouarab
Trinna Cuellar Jonikas	James P. Rathmell	Alex John Adamczyk
Sandra Maria Joyce	João Felipe Cerpa Rodrigues	Palash Agrawal
Rebecca Anne Klein	Casper Gram Ross Hvejsel	Pervez S. Agwan
Robert Edward Kodadek III	Emmanuel Senyange Sabiiti	Christopher Joseph Aholt
Martin David Leach	Jennifer Loren Sample	Heather Brittany Aholt
Camilo Llinás	Jaelyn Shinney Selby	Aziza Sultan Ahson
Ashoka Vardhan Reddy Madduri Venkata	Shannyn Angelica Smith	Bodoor Jameel Al-Alawi
Paolo Marone	Eric Snelgrove	Mohammad Alderbass
Benjamin David Matheson	Christian Michael Stegmann	Abdullah Sulaiman Alhamdan
James Michael McAlpin	Teresa Hefley Stinson	Yasmin Alhassani Finance
Kshitij Pankaj Mistry	Seneca Stone	Zarah Ejaz Ali
Jeff Wayne Monroe	George Joseph Switzer	Abdulaziz Almajid
Meghan Kennedy Montgomery	Alex Syed	Bader Saad Almonawer
Jochen Daniel Muehlschlegel	Yang Tang	Daniel Luis Alvarez
Aditya K. Nawab	James Christopher Taylor	Akina Anand
Robert Linford Neidlinger II	Nhan Thanh Tran	Manuel Andrade Aparicio
Paul Marius Nelson	Anne S. Tsao	Todd Joseph Anstett
Roni Noyman	Durgesh Shivram Vaidya Leadership Development	Kazrin bin Khairul Anuar
Diana Siragusa O Connor	Valentina Nikola Videva Dufresne	Ainara Aguirre Arcelus
		Ginna Arora

Andreas Aslaksen Aristizabal	Ana Carolina Blain Campos	Zhuo Cheng (September, 2020)
Caitlin Elizabeth Auffinger (See also S.M., Course XVI) Evaluation and Implementation of Augmented Reality for Aerospace Operations and Sustainment	Rebecca Colleen Blanchflower	Juliette L.M. Chevallier (See also S.M., Course XVI) Enabling Autonomy in Commercial Aviation: An Ontology and Framework for Automating Unmanned Aircraft Systems (UAS)
Ashley Seda Aydin	Della Jean Bradt	Preston Matthew Chin
Pooja Aysola	Caitlin Marie Braun (See also S.M., Course II) Breaking the Mold on Job Shops	Michael Stanley Chmielewski
Rita Azevedo Coutinho	Nicholas L. Brenner	Eun Ah Choi
Elnaz Azolaty (September, 2020) (See also S.M., Course II) Workflow Evaluation of Key Work Packages in Drug Product Technologies	Ana Irene Bujosa Tato	Nicholas Benjamin Cholst
Neha Rajendra Bagadiya	Alec Michael Stroux Bullen	Sasan Choobineh
Ilona Balagula	Nikhil Byanna (See also S.M., Operations Research) Ship-Pack Replenishment Optimization in a Two-Echelon Distribution System with Lost Sales and Product Obsolescence	Sarah Rogers Clarkson
Daniel Ballesta Quintana	Shuting Cai	Joseph William Connelly
Katherine Margaret Ballinger	Maureen Margaret Canellas	Ignacio Javier Contreras
Drew Bard Vargas	Marc Castillo Lanuza	Philip Daniel Cotter (See also S.M., Course XVI) Implementing Large Format Additive Manufacturing in Aerospace Tooling via Process Integration and Finite Element Analysis of Print Performance
Ryan Benjamin Bash	Jorge Fernando Castillo Lezama	Carlos Francisco Cubas Ramacciotti
Raghav Batra	Luis Fernando Castro Lozano	Margaret Grace Cutlip (See also S.M., Course II) An Analytical Approach to Inventory Management for Telecommunications Network Equipment
Christian Alex Bazarian	Núbia Caversan	Benjamin Arnould Dalusma
Vincent Philippe Guy Bédât	Adam Joseph Cervenka	Benjamin Jenks Dalzell
David Begun	Yangun Cha	Jenna Gail Dancewicz
Amir Moshe Ben Jonathan	Chi-Ya Chang	Niels Christian Danielsen
Nikhil Ravi Bhagwat	Zeeyoun Chang (September, 2020)	Meggan Kimbralee Davis
Harry Aaron Birnbaum (See also S.M., Course I) Implementation of a Mathematical Approach to Rip Saw Arbor Design and Scheduling	Preethi Chegu	Pablo Javier de Cos Igartua
Timothy George Bishop	Mengpei Chen (See also S.M., Course I) Raw Material Optimization to Bend the Biopharmaceutical Cost Curve	Jose de Lapuerta Fernandez
Laura Elizabeth Blackburn	Mingjia Chen	
	Nicholyn Chen	

Charles de Oteyza	Evan Gregory Ferber	Juan Ignacio Garza Ortiz
Roberto De Silva Reguera	Katherine Raissa Ferreira Martinez	Ethan Luke Gauvin
Carlos Delgado González	Steven J. Ferry	Aaron Omni Gillette
Levi Michael DeLuke (See also S.M., Course II) Predictive Modeling and Optimization of Autoinjector Manufacturing	Maura Clare Fitzsimons	Deborah Go (See also S.M., Course I) Improving Inventory Management to Increase Profitability
Jonathan Ross Dennett	Jorge Juan Flor Garcia	Ana Cristina Veloso Gonçalves
Steven Peter DeSandis	Daniel Steven Ford	Leah Gonzalez Howard
Erika Elizabeth Desmond	William Clay Ford III	Marissa Leigh Gross
John Sean Donahue	Brandy Nicole Forehand (See also S.M., Course I) Strategic Sourcing of Serial Production Processes in Jet Engine Manufacturing	Martin Guillen Barrail
Akshay Duda	Kristen Ann Fox	Jihye Choi Gyde
Felix Dumont (See also S.M., Course VI) Deep Learning Models of Scanner/ Vision Tunnel Performance In Sortation Subsystems	Artur Freitas de Mendonça	Amina Keltoum Habes
Samuel Jack Eden	Antonio Lorenzo Mayrink Veiga Frering	Joseph James Haddad
Luisa Eguren	Clare Austin Frigo (See also S.M., Course II) Network and Workflow Design and Standardization in a Large Distribution Center	Souhail Halaby
George Peter Eliades	Mizuhiko Fujie	Rachel Estelle Halperin
Jeffrey William Epperson (See also S.M., Course II) Creating Optimized Value Creation Conditions: An Additive Manufacturing Model	Haruna Fujita	Evan Boswell Hamilton
Zachary Scott Erdman	Jacob Anders Fure-Slocum	Benjamin Reed Hammer
Paula Andrea Escandón Rozo	Fiona Ina Furlong	Bing Han
Martin Eyries de la Cuadra	Sara Elizabeth Gabriel	Hayley Samara Hanes
Alp Ezgu	Monica Gabriela (See also S.M., Course I) Drug Substance and Drug Product Manufacturing Strategy Assessment for siRNAs	Andrew Hannigan
Andrew Scott Fabian (See also S.M., Course II) Effective Integration of Additive Manufacturing at a Large Manufacturing Company	Kyle William Galarneau	Mohamed Isa Yusuf Ali Hasan
Abraham Israel Fainchtein	Ignacio Galindo	Yusuf Ayman Hashem
	Lauren Elizabeth Galinsky	Juanita Corinne Hazel
	Bautista Gall	Sam Heffernan
		Patrick Brennan Herold
		Felipe Hilgenberg
		Caleb Benjamin Hogan

Xiaodi Hu	Matthew Alexander Kilby (See also S.M., Course II) Creating Good Jobs in Automotive Manufacturing	Derek Alan Leist
Yile Hu		Jessica Leon
Valerie Huang	Juhyun Kim	Danielle S. Levin
Franz Ernesto Hudtwalcker Rey	Seung-Soo Kim	Helen Li
Ari Joseph Jackson	Seung Kyu Kim	Katherine C. Li
William Cory Jackson	Yoshiro Kita	Weiyi Li
Emily Rose Catherine Jager	Marissa Beth Konstadt	Joanna I. Lichter
Rhett Marville James	Akhilesh Koppineni	Andrew Keenan Lind
Merritt J. Jenkins	Neha Khurana Kukreja	Alyssa Lauren Lipshultz
Robert Tomos Johanson (See also S.M., Course XVI) Application of Novel Additive Manufacturing Techniques for Cost Reduction in Space Launch Vehicles	Shyam Kumar	Josie Jie Xin Liu
Aiyah Josiah-Faeduwor	Kelsey LaFreniere	Priscilla Liu
Omar Kahil (See also S.M., Course I) Capacity Management for Low Cost Storage	Jay Anson Laing	Xinyang Krystal Liu
Erez Kaminski (See also S.M., Course VI) The Limits of Analytics During Black Swan Events A Case Study of the Covid-19 Global Pandemic	Brandon James Lam	Anna Llopis Montserrat
William Hudson Kaplan	Matthew Simon Lanchantin	Christopher Alexander Lui (See also S.M., Course VI) An Investigation of Multivariate Process Control for Biomanufacturing
Stephanie Yasmine Karaa	Sasha Ellora Land	Shuqi Luo
Nadi Kassim Kassim	Gabriela Alicia Lanza	Ames T. Lyman
Aayushi Kaushik	Christina Louise Larson	Kevin Shuyi Ma
Joshua Brooks Kelly	Melissa Lawton	Amrit Malothra
Timothy John Kennedy	Krystal Quynh Chi Le	Antoni Marcet de la Riva
Muska H. Khan	Jae-Yong Lee	Alec George Marchuk
Andrew Jihoon Khang	Jin Soo Lee (See also S.M., Course II) Determining Optimal Supply Level for Intermittent and Low Demand Parts	Gabriela Margain Garza
Adam Vinago Kiki-Charles	Jue Eun Lee	Michael Anthony Marini
	Megan Shing-Dah Lee	Jeremy David Markson
	Michelle Mee-Sun Lee	Patricia Marsa Gaviria
	Mengzhen Lei	Matthew Lincoln Martin

Albert Martin Leon	Killian Murphy	Durga Harini Panda
Claire Ellen Matthews	Angela Marie Murray (See also S.M., Course XVI) Considerations for Defense Contractors Entering the Small Satellite Market	Aparna Pande
Tim Matthey		Martin Nahuel Panelati
Srijan Maulick	Kunihiko Naito	Amulya Panyam
Alisondra Kelsey Maykranz	Edward Raynes Netland	Anthony Johnson Papa (See also S.M., Course II) Unit Hours as a Key Performance Indicator
Andrew James McCall	Claudius Christoph Neufeldt	Gustavo David Paredes Avendano
Akshay Yogesh Mehra	Catherine Philbin Nevins	Charine Park
Nicholas James Miller	Nhat Thi Cam Nguyen (February, 2021)	So Young Michelle Park (See also S.M., Course II) Reliability Analysis of Boeing's Dreamliner Large Cargo Freighter
Christian Riccardo Mirabile	Alexander Rudolph Nickles (See also S.M., Course XVI) Identifying and Assessing Aerospace Parts for Production in Additive Manufacturing	Maria Teresa Passanha Sobral Morais Leitao
Julio César Monarrez	Inês Marques de Almeida de Ibérico Nogueira	Kavita Subhash Patel
Joshua Solomon Monks		Andrés Paz-Ares
Jose Luis Montero Villaseca	Katie Colleen Nolan	David Victor Pedroni (See also S.M., Course I) Tailored Base Surge Policy for Middle Echelon in Biologics Supply Chain
Anubhav Moondra	Salathiel Tyler Noronha	Nicolás Andrés Peñafiel Prohens
Pablo T. Morenes Botin Sanz de Sau- tuola	Flore Alicia Nouvel	Fiorella Jimena Penagos Celis
Jose de Jesus Moreno Ruiz Garcia	Diego Eduardo Novoa Arroyo	Chandler Lauren Perry
Zachariah Keith Morey (See also S.M., Course II) Integrating Machine Learning into Data Analysis and Plant Performance	Elvira Nunez Riva	Supanut Phrom-anant
Ellen Franklin Morgan (See also S.M., Course I) Decoupling Continuous Manufacturing Processes to Increase New Product Valuation	Christopher Anthony O Connell	Matthew Cole Pierce
Drew Edward Morrison (See also M.C.P., Course XI)	Quadri Adetola Oguntade	Francine Carvalho Pietrobom
Bruno Moschetta	Philip Onimisi Onotu	Ryan Pijai
Roxanne Moslehi	Ena Oru	John Hartland Pitfield
Spencer Bret Moss	Matthew Lane Ostrow	Chanya Pranich
Guillermo Mourenza González	Catalina Padilla Sada	Yudha Okky Pratama
Parisa Movahedi	Long Bin Pan (See also S.M., Course X) Implementation Roadmap and Real Options Analysis for Biopharmaceutical Technology Introduction	

Kelsey Jo Pridemore	Violet Kemilembe Rukambeiya	Chantal Neomi Sirisena
Ana Carolina Ragazzoni Rodrigues	Amelia Claire Brunder Salutz	Charles Colby Smith
Isaac Rahamim	Andrea Šándorová	Christian Edmund Smith
John Nelson Raines IV	Francisco Esteves de Oliveira Santos	Lauren Smith-Lin
José Luis Ramos Alvarez	Andres Santos Cantu	Michael Linwood Smithers, Jr.
Alessandro Rapanà	Sabrina Sayeed	Ena Luz Solórzano
Jose Raventos	Jeremy Vance Scharf	Lindsay Jenna Solotar
Manasvini Ravi Shankar	Carlo Peter Schmid	Kwannpat Songvisit
Katherine Suzanne Rawden (See also S.M., Course I) Leveraging Big Data and Machine Learning to Evaluate the Impact of Material and Process Variability on the Quality Performance of the Vicryl+ Value Chain	Michael T. Schoder (See also S.M., Course II) Distribution Network Optimization to Reduce Process Variability and Improve Throughput for an Online Retailer	Ricardo Henrique Sosa Machado Jamison Slater Soybel (See also S.M., Course II) Designing a Make vs. Buy Strategy for Expendable and Attributable Aircraft Engine Development
Daniel Raymond Whitlock Reilly (See also S.M., Course II) Assessment of Virtual-Reality-Based Digital Twins in Automotive Manufacturing Process Validation	Daniel Antonio Sedan Mora	Megha Srivastava
Nicholas Christopher Rezendes	Yunuscan Sevimli	Isabelle Clarke Stenberg
Emma Gray Rich	Karan Shah	Eugenio Guillermo Suarez
Hiram Solomon Riddle	Riana Shah (February, 2021)	Yingying Sun
Margaret Gayle Riddle	Pulkit Shamsbery	Charoensup Supcharoenkul
Katherine Laura Riley	Mansi Sharma	Ignacio Salvador Tabja
Robert Michael Riso	Nidhi Sharma	Alfredo Tagle Silva
Andrew Scott Rodriguez (See also S.M., Course II) Applying Lean Manufacturing Concepts to a High-Mix Low-Volume Make to Order Environment	Anna Marie Sheppard	Aik Jun Tan (See also S.M., Course VI) Deep Learning Image Augmentation Using Inpainting with Partial Convolution and GANs
Maria Candelaria Rodriguez Sanchez	Anesh Shetty	Li-Jie Tan
Pablo Rodriguez Sanchez	Jennifer Tan Shi	Lauren Meredith Tauscher
Alejandro Romero Gómez	Jennifer Shin	Suchawut Thamvorapon
Patrick Emmanuel Rose	Dar Shkedi Maor	
	Ananya Shukla	
	Ankita Singh (See also S.M., Course II) Applications of Machine Learning and First-Principle Modeling to Evaluate Design Enhancements in Autoinjectors	

Trevor James Thompson
(See also S.M., Course II)
Modeling Air Source Heat Pump
Adoption Propensity and Simulating the
Distribution Level Effects of Large-Scale
Adoption

Lydia Sherwood Thurman
(See also S.M., Course VI)
Assessing Inventory Replenishment
Strategy at Target

Olga Timirgalieva

Tatjana Toeldte
(See also S.M., Course II)
Data-Driven Business Model Strategy
Development for Incumbents in B2B
Markets

Diego Rafael Toledo Polis

Traiwat Trairatvorakul

Henna Kaur Trewn

Daisuke Tsuge

Wynn Oja Tucker

Ogbogu Dike Ukuku
(See also S.M., Engineering and Manage-
ment)

David Glenn Urness

**Pedro Vasconcelos Bettencourt Teixeira
Queirós**
(See also S.M., Course I)
Modeling Total Delivered Cost in the
Automotive Industry

Diego Fabrizio Velasquez Falconi

Carolina Vergara Oyaga

Belén Vicente Blázquez

Shane Jesse Vigil
(See also S.M., Course XVI)
Automating Flow of a Material Handling
System

Megha Vijayvargia

Jordi Vila Verdguer

Zachary Carl Wainwright

Megan Christine Waldvogel

Sam Henry Walsh

I-Ting Wan

Pedro Wanderley Furquim Werneck

Ivy Wei Wang

Xue Wang

Alexander Thomas Warner

Anne Parker Warner

Rachel Mirriam Webb

Justin Aaron Wexler

Kristine Ashley Willard

Tyler Joseph Wilson

Michael Andrew Moy Wing

Peter Douglas Witt, Jr.
(See also S.M., Course I)
High Velocity Supply Chain: Redesigning
a Long Lead Time, Short Shelf Life
Supply Chain

Jonathan Chak Wang Wong

Joyce Wong

Jieyuan Wu
(See also S.M., Course II)
Leveraging Data Analytics to Evaluate
Proactive Interventions to Prevent
Inventory Defects

Qiongjing Wu

Joseph Wyatt

Tianyang Xi

Sophia Yun Xing

Liza C. Xu
(See also S.M., Course I)
Identifying Risk Exposure in a Global
Retail Supply Chain

Assaf Yablom

Angela S. Yang

Eric D. Yang

Brian C. Yi
(February, 2021)

Kevin Yu

Dror Zajde

Lily Chan Cheng Zedler

Xianqi Zeng

Di Zha

Cassie Weijia Zhang

Ike Ting Zhang

Wenxin Zhang

Laura Zwanziger

Master of Business Analytics

Course XV-N

Sloan School of Management

Anis Ben Said
(September, 2020)

Alison Rose Ann Borenstein
(September, 2020)

Yuchen Cao
(September, 2020)

Jonathan Matthew Chan
(September, 2020)

Shen Chen
(September, 2020)

Joshua Joseph Couse
(September, 2020)

Raphaelle Diane Astrid Marie Delpont
(September, 2020)

Abraham Munro Eaton
(September, 2020)

Ahmed El Aamrani
(September, 2020)

Killian Joshua Farrell
(September, 2020)

Leirong Feng
(September, 2020)

Carrie Michele Fowle
(September, 2020)

Abigail Marie Garrett
(September, 2020)

Girish Kishen Govindarajan
(September, 2020)

Yanchunni Guo
(September, 2020)

Sofiane Nour Hadji
(September, 2020)

Luis Honsel
(September, 2020)

Suzana Iacob
(September, 2020)

Joshua Kiefer Ivanhoe
(September, 2020)

Zeyuan Jin
(September, 2020)

Muro Kaku
(September, 2020)

Joey Khoury El Aramouni
(September, 2020)

Jordan Frederick Knight
(September, 2020)

Dao Ming Lee
(September, 2020)

Kevin Zhi Cheng Lin
(September, 2020)

Yanhan Liu
(September, 2020)

Jiong Wei Lua
(September, 2020)

Tianhui Mao
(September, 2020)

Joshua D. McKenney
(September, 2020)

Luca Mingardi
(September, 2020)

Danial Ahmad Zafar Mirza
(September, 2020)

Julia Catherine Monti
(September, 2020)

John Christopher Nicholas
(September, 2020)

Timothy Alexander K. Nonet
(September, 2020)

Lucas Daniel Pelegrin
(September, 2020)

Neil Sanjay Pendse
(September, 2020)

Jingjing Piao
(September, 2020)

Alessandro Previero
(September, 2020)

Louis Félix Raison
(September, 2020)

Pierre-Henri Ramirez Cassagne
(September, 2020)

Gabrielle Rappaport
(September, 2020)

Rihab Rebai
(September, 2020)

Alexandru Socolov
(September, 2020)

Andras Jenő Szep
(September, 2020)

Mohamed Hamza Tazi Bouardi
(September, 2020)

Jonathan Filberto Tukiman
(September, 2020)

Jiewen Wang
(September, 2020)

Desiree Sharif Waugh
(September, 2020)

Asher Thomas Brownstone Wright
(September, 2020)

Danying Xiao
(September, 2020)

Shenheng Xu
(September, 2020)

Yijia Yang
(September, 2020)

James Austin Zaccor
(September, 2020)

Joseph Guss Zaghrini
(September, 2020)

El Ghali Ahmed Zerhouni
(September, 2020)

Gege Zhang
(September, 2020)

Kexin Zhang
(September, 2020)

Nova Sierra Zhang
(February, 2021)

Qijia Zou
(September, 2020)

Eugenio Zuccarelli
(September, 2020)

Master of Finance
Course XV-F
Sloan School of Management

Julie Andre

Jean Arnault	Elie Gaby Gerges (February, 2021)	Marius Mello (February, 2021)
Aris Benakli	Elina Harutyunyan (February, 2021)	Fabian Mertes
Louccas Bou Jaoude	Jiawen He (February, 2021)	Antoine Philippe Nothias
Timothy Chen Brown (February, 2021)	Jai Himatsingka (February, 2021)	David Alexandre Nze Ndong (February, 2021)
Chenzi Cao (February, 2021)	Siyang Huang (February, 2021)	Do Yeon Park (February, 2021)
Albert Richard Caputo III (February, 2021)	Marcus Imbert	Edward Poghosyan (February, 2021)
Vaibhav Chandak	Michael David Jennings	Xijin Pu (February, 2021)
Meishi Chen (February, 2021)	Sarah Kefi	Jules Max Marie Roche
Shiyang Chen (February, 2021)	Eliza K. Khokhar (See also S.B., Course VI-14)	Urvi Rohatgi (February, 2021)
Chiuen Chou Gabriel Chin (February, 2021)	Chiayi Kung (February, 2021)	Yafei Shi (February, 2021)
Devin Connolly (February, 2021)	Changxiao Li (February, 2021)	Wenzhu Song
Pauline Cuilleret	Jingxiu Li (February, 2021)	Luke Oliver St. Pé (February, 2021)
Paul Frédéric Dominique Marie Delanoy	Xichen Li (February, 2021)	Edward Sulitzer (February, 2021)
Anastasia Demina (February, 2021)	Zhaodong Li	Dongfang Wang (February, 2021)
Samy R. El Khoury	Ce Liang (February, 2021)	Jingwen Wang
Cheikh Ahmadou Bamba Fall (February, 2021)	Zizheng Liu (February, 2021)	Shuwen Wang (February, 2021) Decomposition of Oil Price Supply and Demand Shock in Stock Returns and Economic Performances
Shuyuan Fang (February, 2021)	Meiquan Lu	
Lorraine Camille Felix	Yixian Ma (February, 2021)	Taoyuan Wang (February, 2021)
Georges Geha (February, 2021) Use of Modern Machine Learning Techniques to Prevent the Occurrence and Outcome of Corporate Takeover Events	Michele Marinucci (February, 2021)	Michael M. Wehbe (February, 2021)
	Kazutoki Matsui	Jing Wen (February, 2021)

Xiaopeng Wu
(February, 2021)

Fangyan Xie
(February, 2021)

Bryan Kai Jie Yan

Hang Yang

Xueyi Yang
(February, 2021)

Yueqi Yang
(February, 2021)

Haocheng Ye
(February, 2021)

Sifan Ye
(February, 2021)

Kayo Yoshizawa
(February, 2021)

Zhengyi Yu
(February, 2021)

Jack Curtis Zelman
(February, 2021)

Jie Zhang

Renjie Zhang
(February, 2021)

Weijia Zhang
(February, 2021)

Yiran Zhang
(February, 2021)

Xuan Zhao

**Master of Science in
Management Studies**
Course XV-S
Sloan School of Management

Phebe Bay
A Market Feasibility Analysis of the
Carbon Capture Utilization and Storage
Landscape in China for Foreign Firms

Mateusz Burgunder
Stochastic Modeling of Performance-
Based Annuities: Increasing Gene
Therapy Accessibility by Managing the
Uncertainty of Costs and Treatment Value

Yiwen Chen
A Research on Corporate Bond Defaults
in the Chinese Market

Amelia Marie Danielle Crespo
Innovations in Game-based Learning:
How Lead Users Created Minecraft:
Education Edition

Amar Singh Dhese
Sustaining Digital Transformation in the
Post-COVID Era: Nike Case Study

Saemi Kim
The Benefits of Offline Merchandise in
Brand Building

Jingqiao Li
Competitive Analysis of New Energy
Vehicle Market in China

Yi Denise Lim
How Can Startup Leaders Strategically
Disclose Vulnerabilities During Periods
of Crisis?

Kaishuo Lin
Are Changing Margins Factored into
Stock Prices?

Xinya Liu
An Analysis of Digital Marketing
Strategy in the Era of Social Media in
China

Keitumetse Masego Mmatlala Molamu
African Entrepreneurship Ecosystems: A
Comparative Study of the Top Five

Gege Nie
A Study of Chinese Mutual Insurance

Yucun Wang
Applying Robotic Process Automation in
the Banking Industry

Jingyi Wu
Study of Video-Sharing Platforms: The
Global Rise of TikTok

Shuaiyu Wu
Analysis of the New Development
Direction of Chinese Overseas Fintech
Payment Companies

Catherine Yu
Knowledge Management in
Multinational Offices: Informative Case
Studies and their Applications to the
Future

**Master of Science in
Management Research**
Course XV
Sloan School of Management

Maya T. Bidanda
What are the Local Spillover Effects of
Innovation?

Yiqun Cao
(February, 2021)
Comparing User Behavior When
Targeted Based on Firm Inferred Interest
vs. User Stated Interest

Ki-Soon Choi
Going by the Book: Valuation Ratios and
Stock Returns

Timothy Harindra de Silva
(February, 2021)
The Announcement Waiting Game:
Holding Costs, Trading, and Returns
Around Earnings Announcements

Wesley Hatch Greenblatt
Physician Entrepreneurship: Evidence
from Massachusetts

Joanne Im
Real Bond Return Parity

Jonathan E. Jensen
What Determines the Allocation of
Government Resources to Local Areas?

Raquel Renee Kessinger
Orchestrating Friendship in the Firm:
Softening the Edges of Algorithmic
Evaluation

Soomi Kim
Insurance Design and Pharmaceutical
Innovation

William Thomas Kimball

(September, 2020)
Taking an Occupational Lens to
Worker Voice and Preference for Labor
Representation

Tatiana Labuzova

Application Choices to Gender-Typed
Jobs

James Edward Paine

(September, 2020)
Algorithmic Intervention to Mitigate
Inventory and Ordering Amplification in
Multi-Echelon Supply Chains

Justin Rand Scott

(February, 2021)
The Municipal Bond Valuation Puzzle:
Evidence from U.S. States

Jian Sun

(September, 2020)
Reputation with Stopping Time Decision

Hagay Constantin Volvovsky

(September, 2020)
When Will They (Ever) Learn?

Yifei Wang

(February, 2021)
Low Engagement and Failed Choices:
Exploring the Mechanism for Harbingers
of Failure

George Ward

(February, 2021)
Happiness and Voting: Evidence from
Four Decades of Elections in Europe

Jiaheng Yu

Learning from Financial Markets and
Misallocation

Yunhao Zhang

(September, 2020)
Identify Experts through Revealed
Confidence: Application to Wisdom of
Crowds

Nikhil Byanna

(See also M.B.A., Course XV)
Ship-Pack Replenishment Optimization
in a Two-Echelon Distribution System
with Lost Sales and Product Obsolescence

Georgia G. Dimaki

(September, 2020)
Dynamic Node Clustering for
Hierarchical Optical Data Center
Network Architectures

Célia Escribe

Reducing Physician Burnout and Costs
in Outpatient Healthcare Settings via
Advanced Analytics

Andreea Georgescu

(February, 2021)
Inventory Positioning in Modern Retail

Zachery Maxwell Halem

Financing Fusion Energy

Neal Kamal Kaw

Preventing Opioid Overdose: From
Prediction to Operationalization

Thomas Padruig Kendall

Optimizing Weapon Precision

Daniel Timothy Killian

Operational Innovations to Improve
Malawi's HIV Sample Transportation
Network

Matthew J. Koch

Air Force Crew Scheduling: An Integer
Optimization Approach

Jessamyn Liu

(September, 2020)
Anomaly Detection Methods for
Detecting Cyber Attacks in Industrial
Control Systems

Matthew Yuan

An EM Algorithm for Lidar
Deconvolution

**Master of Science in Operations
Research**

*Sloan School of Management in
conjunction with the Schwarzman
College of Computing*

SCHOOL OF SCIENCE

Master of Science in Chemistry

Course V

Department of Chemistry

Johanna Christine Barbour

Studies in Selective C-C Bond Formation
via Borylation and Dehydrogenation

Daniel Harper

Computationally-Derived Design
Principles for Water Oxidation Catalysts

Carolyn Eunjin Suh

Synthesis of Deoxysugars through
Manganese-Promoted Redox
Isomerization

Kathleen Jun Wang

Development and Optimization
of Photoredox-Mediated Methine
Epimerization

Master of Science in Biology

Course VII

Department of Biology

Albert Thomas Magnell

(February, 2021)
Epigenetic Memory of Mouse Intestinal
Inflammation

Qinze Arthur Zhang

(February, 2021)
Understanding the Effects of Sex
Chromosomes and Sex Hormones on Sex
Differences

Master of Science in Physics

Course VIII

Department of Physics

Jennifer Renee Crawford

(September, 2020)
Exact Diagonalization Study of Charged
Excitations in Twisted Bilayer Graphene
Aligned with Hexagonal Boron Nitride

Gwang-jun Kim

(February, 2021)
Study of Beauty Meson Production in
PbPb Collisions with CMS

Bola Malek

Quasi-Potential Analysis of Multi-Stable
Stochastic Differential Equations

Master of Science in Brain and Cognitive Sciences

Course IX

*Department of Brain and Cognitive
Sciences*

Yuan Bian

Noisy-Channel Processing of Questions

Joey Velez-Ginorio

Compositional Desires as Compositional
Programs

Master of Engineering in Computation and Cognition

Course VI-9

*Department of Brain and Cognitive
Sciences*

Melat R. Anteneh

Evaluating Shadowspect as a Potential
Measure of Spatial Reasoning

Hang Le Thi Nguyet

Investigating the Role of Biological
Constraints in Adversarial Robustness
via Modeling and Representational
Geometry

Master of Science in Earth and Planetary Sciences

Course XII

*Department of Earth, Atmospheric,
and Planetary Sciences*

Andrew T. Cummings

(September, 2020)
(See also S.M., Course XVI)
Characterization of Solar X-ray Response
Data from the REXIS Instrument

AWARDED JOINTLY WITH THE WOODS HOLE OCEANOGRAPHIC INSTITUTION

Master of Science in Mechanical Engineering

Christopher Raymond Dolan

Course II
(September, 2020)
A Method for On-line Water Current Velocity Estimation Using Low-Cost Autonomous Underwater Vehicles

Zachary J. Duguid

Course II
(September, 2020)
Towards Basin-Scale *in-situ* Characterization of Sea-Ice Using an Autonomous Underwater Glider

John Zhang Li

Course II
(September, 2020)
A Planned Approach to High Collision Risk Area

Brendan William O Neill

Course II
(September, 2020)
Signal Absorption-Based Range Estimator for Undersea Swarms

Nastasia E. Winey

Course II
(September, 2020)
Modifiable Stability and Maneuverability of High Speed Unmanned Underwater Vehicles (UUVs) Through Bioinspired Control Fins

Master of Science in Chemical Oceanography

Jessica Stephanie Dabrowski

Course XII
(September, 2020)
Radium Isotopes and Radon-222 as Tracers of Sediment-Water Interaction in Arctic Coastal and Lacustrine Environments

Master of Science in Physical Oceanography

Casey Richard Owen Densmore

Course XII
(September, 2020)
Development and Testing of the AXBT Realtime Editing System (ARES)

Jeffrey Scott Grabon

Course XII
(September, 2020)
An Analysis of Atlantic Water in the Arctic Ocean Using the Arctic Subpolar Gyre State Estimate and Observations

Praneeth Gurumurthy

Course XII
(February, 2021)
Estimating Atmospheric Boundary Layer Turbulence in the Marine Environment Using Lidar Systems with Applications for Offshore Wind Energy

Master of Science in Aeronautics and Astronautics

Morgan Grace Blevins

Course XVI
Field-Portable Dissolved Gas Sensing and Perspectives in Aqueous Microplastic Detection

SCHOOL OF ARCHITECTURE AND PLANNING, DOCTORAL

Doctor of Philosophy

School of Architecture and Planning

Chaewon Ahn

Thesis in the field of Urban and Regional Planning submitted to the Department of Urban Studies and Planning: Manufacturing Social Capital: Social Networks through Civic Innovation Initiatives

Judith Amores Fernandez

(September, 2020)
Thesis in the field of Media Arts and Sciences: Olfactory Interfaces: Toward Implicit Human-Computer Interaction Across the Consciousness Continuum

Christoph Bader

(February, 2021)
Thesis in the field of Media Arts and Sciences: Translational Design Computation

Mark Emmanuel Brennan

(September, 2020)
Thesis in the field of Policy, Operations, and Management submitted to the Department of Urban Studies and Planning: Social Policy and Operations Management

Elizabeth Saari Browne

Thesis in the field of Architecture: History and Theory of Art submitted to the Department of Architecture: Modeling the Eighteenth Century: Clodion in the Ancien Régime and After

Pranam Chatterjee

(September, 2020)
Thesis in the field of Media Arts and Sciences: Robust Genome Editing with Broad-Targeting CRISPR Enzymes

Weixuan Chen

(September, 2020)
Thesis in the field of Media Arts and Sciences: Autonomic Activity from Human Videos

Madeleine Isabelle Gorkin Daepf

(September, 2020)
Thesis in the field of Urban and Regional Planning submitted to the Department of Urban Studies and Planning: Three Essays on Residential Mobility, Housing, and Health

Renaud Alexis Pierre Emile Danhaive

(September, 2020)
Thesis in the field of Architecture: Building Technology submitted to the Department of Architecture: Structural Design Synthesis Using Machine Learning

Bianca Chelsea Natasha Datta

Thesis in the field of Media Arts and Sciences: Biologically-inspired Structural Color: Material Design and Fabrication Strategies Drawn from Nature's Color Palette

Priyanka Nadia deSouza

Thesis in the field of Urban and Regional Planning submitted to the Department of Urban Studies and Planning: Making Air Quality Count: Low-Cost Sensors, Public Health and Urban Planning

Ariel Caitlyn Ekblaw

(September, 2020)
Thesis in the field of Media Arts and Sciences: Self-Aware Self-Assembly for Space Architecture: Growth Paradigms for in-Space Manufacturing

Cauam Ferreira Cardoso

(September, 2020)
Thesis in the field of International Development submitted to the Department of Urban Studies and Planning: Technological Change & the Changing Nature of Grassroots Development Organizations: The Case of the Self-Employed Women's Association of India (SEWA)

Yonah Slifkin Freemark

(September, 2020)
Thesis in the field of Urban and Regional Studies submitted to the Department of Urban Studies and Planning: Mobility Politics: Local Ideologies in the Multi-Jurisdictional Metropolis

Asma Ghandeharioun

Thesis in the field of Media Arts and Sciences: Towards Human-Centered Optimality Criteria

Nabeel Nadir Gillani

Thesis in the field of Media Arts and Sciences: Designing for a New "ZIP Code Destiny"

João Pedro Gonçalves Marins Costa

Thesis in the field of Media Arts and Sciences: Systems of Becoming: Mediating Dialogue Between Nature and Design

Huma Gupta

(September, 2020)
Thesis in the field of Architecture: History and Theory of Architecture submitted to the Department of Architecture: Migrant Sarifa Settlements & State-Building in Iraq

Cristian Ignacio Jara Figueroa

Thesis in the field of Media Arts and Sciences: Cities, Networks, and Knowledge Spillovers

Benjamin Eric Jenett

(September, 2020)
Thesis in the field of Media Arts and Sciences: Discrete Mechanical Metamaterials

Nicholas F. Kelly

(February, 2021)
Thesis in the field of Public Policy and Urban Planning submitted to the Department of Urban Studies and Planning: Can Housing Policy Address Spatial Inequality? Innovations in Policy and Politics to Expand Access to Opportunity Neighborhoods

Matthew Everett Lawson

(September, 2020)
Thesis in the field of Media Arts and Sciences: Biologically Encoding Augmented Reality: Multiplexing Perceptual Bandwidths

Michael Chia-liang Lin

(February, 2021)
Thesis in the field of Media Arts and Sciences: Affordable Autonomous Lightweight Personal Mobility

Brian Dean Mayton

(September, 2020)

Thesis in the field of Media Arts and Sciences: Sensor Networks for Experience and Ecology

Juliana Toni Nazare

(February, 2021)

Thesis in the field of Media Arts and Sciences: Technology-Assisted Coaching: A System for Children's Literacy Learning

Laura Jones Perovich

(September, 2020)

Thesis in the field of Media Arts and Sciences: From Data Physicalization to Data Experiences: Combining Art, Science, Technology, and Community to Move Towards Collective Action on Environmental Challenges

Nazmus Saquib

(September, 2020)

Thesis in the field of Media Arts and Sciences: Embodied Mathematics by Interactive Sketching

Martin Saveski

(September, 2020)

Thesis in the field of Media Arts and Sciences: Polarization and Toxicity in Political Discourse Online

Rachel Soo Hoo Smith

Thesis in the field of Media Arts and Sciences: How to Grow a Spaceship: A Hybrid Living Material (HLM) Framework for Developing Technological Interfaces to Complex Living Systems

Shin Bin Tan

Thesis in the field of Urban and Regional Planning submitted to the Department of Urban Studies and Planning: Three Essays Examining Social Vulnerability and Place-Based Determinants of Health

Daniel Martin Traficonte

(February, 2021)

Thesis in the field of Political Economy submitted to the Department of Urban Studies and Planning: Patents Over Planning: Industrial Capital and Federal Innovation Policy

Irmak İfakat Turan

(September, 2020)

Thesis in the field of Architecture: Building Technology submitted to the Department of Architecture: Valuing Design and Designing Value: The Financial Impact of Daylight and Views in Office Building Real Estate

Jessica Ann Varner

(September, 2020)

Thesis in the field of Architecture: History and Theory of Architecture submitted to the Department of Architecture: Chemical Desires: Dyes, Additives, Foams, and the Making of Architectural Modernity

Prashanth Vijayaraghavan

Thesis in the field of Media Arts and Sciences: Socially-Aware Machine Learning: Towards Leveraging the Relationship between Narrative Comprehension and Mentalizing

Rixt Laurien Woudstra

(September, 2020)

Thesis in the field of Architecture: History and Theory of Architecture submitted to the Department of Architecture: Planning the 'Multiracial City': Architecture, Decolonization, and the Design of Stability in British Africa, 1945-1957

SCHWARZMAN COLLEGE OF COMPUTING, DOCTORAL

Doctor of Philosophy

Schwarzman College of Computing

Rui Sun

(September, 2020)

Thesis in the field of Social and Engineering Systems and Statistics submitted to the Institute for Data, Systems, and Society: Online Learning and Optimization in Operations Management

Jinglong Zhao

Thesis in the field of Social and Engineering Systems and Statistics submitted to the Institute for Data, Systems, and Society: Data-Driven Operations: From Algorithm Development to Experimental Design

SCHOOL OF ENGINEERING, DOCTORAL

Doctor of Science

School of Engineering

Tyler T. Hamer

Thesis in the field of Mechanical Engineering: A Permanent Magnetic Dipole Reaction Sphere Actuator for Spacecraft Attitude Control

Brandon James Lahmann

Thesis in the field of Nuclear Science and Engineering: Using Fusion-Product Spectroscopy to Diagnose Inertial Confinement Fusion Implosions and Study Stopping Power on OMEGA, the NIF, and Z

Talal Mulla Mahmoud

Thesis in the field of Civil Engineering submitted to the Department of Civil and Environmental Engineering: Fracture Mechanics in the Semigrand Canonical Ensemble

Anoop Rajappan

(September, 2020)

Thesis in the field of Mechanical Engineering: Polymers and Plastrons: Active and Passive Drag Reduction in Wall-Bounded Turbulent Flows

Mary Elizabeth Wagner

Thesis in the field of Materials Science and Engineering: New Methodology to Model Metal Chemistry at High Temperature

Doctor of Philosophy

School of Engineering

Mohamed Radwan Abdelhamid

Thesis in the field of Electrical Engineering and Computer Science: Low Power Adaptive Wireless Circuits for In-Body Implants

Akshay Agarwal

(September, 2020)

Thesis in the field of Electrical Engineering submitted to the Department of Electrical Engineering and Computer Science: Techniques for Enhancing Electron Microscopy

Giulia Agostinelli

(September, 2020)

Thesis in the field of Nuclear Science and Engineering: Advancement of Closure Relations for Annular Flow Modeling in CFD

Raj Agrawal

Thesis in the field of Electrical Engineering and Computer Science: Practical Methods for Scalable Bayesian and Causal Inference with Provable Quality Guarantees

Yvana Daniella Ahdab

(February, 2021)

Thesis in the field of Mechanical Engineering: Performance and Economics of Monovalent Selective Electrodialysis Desalination for Irrigation

Abdulaziz Mohammad Albaiz

(February, 2021)

Thesis in the field of Computational Science and Engineering submitted to the Department of Civil and Environmental Engineering: Decentralized Dynamic Load-Balancing Framework for Large-Scale Particle-Based Simulations

Anas Ibrahim Al Bastami

(September, 2020)

Thesis in the field of Electrical Engineering and Computer Science: Efficient Radio Frequency Power Generation and Impedance Matching

Abdulla Abdulaziz Alhajri

(September, 2020)

Thesis in the field of Computational Nuclear Science and Engineering: A Monte Carlo Framework for Nuclear Data Uncertainty Propagation via the Windowed Multipole Formalism

Maryam Aliakbarpour

(September, 2020)

Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Distribution Testing: Classical and New Paradigms

Caleb Amy

(September, 2020)

Thesis in the field of Mechanical Engineering: Thermal Energy Grid Storage: Liquid Containment and Pumping

Luke James Anderson

Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Languages and Compilers for Rendering and Image Processing

Nicolaas Manuel Angenent-Mari

Thesis in the field of Biological Engineering: Synthetic Biology and Artificial Intelligence for Next Generation Nucleic Acid Diagnostics

Sandeep Badrinath

Thesis in the field of Aeronautics and Astronautics: Modeling and Control of Queuing Networks: Applications to Airport Surface Operations

Changyeob Baek

(February, 2021)

Thesis in the field of Mechanical Engineering: Geometry-Driven Filamentary Structures: Elastic Gridshells, Weaves, Clasps, and Knots

Michiel Anton Bakker

(September, 2020)

Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Algorithmic Fairness in Sequential Decision Making

Utsav Banerjee

Thesis in the field of Electrical Engineering and Computer Science: Efficient Algorithms, Protocols and Hardware Architectures for Next-Generation Cryptography in Embedded Systems

Antonio Eric Barberio

(September, 2020)

Thesis in the field of Chemical Engineering: Layer-by-Layer Nanoparticles for Cytokine Delivery to Treat Cancer

Jackson Joseph Bauer

Thesis in the field of Materials Science and Engineering: Growth and Characterization of Polycrystalline Rare Earth Iron Garnets and Heterostructures

Anastasiya Belyaeva

(February, 2021)
Thesis in the field of Computational and Systems Biology: Computational Methods for Analyzing and Modeling Gene Regulation and 3D Genome Organization

Sarah Christine Bening

(February, 2021)
Thesis in the field of Biological Engineering: Exploring and Enhancing Context-Dependent Beta-Lactam Antibiotic Efficacy

Alex Benjamin

(September, 2020)
Thesis in the field of Mechanical Engineering and Computation submitted to the Department of Mechanical Engineering: 3D Organ Property Mapping Using Freehand Ultrasound Scans

Mindy Deanna Bishop

Thesis in the field of Medical Engineering and Medical Physics submitted to the Harvard-MIT Program in Health Sciences and Technology: Progress in Nanosystems for Computing and Health

Davis Whitaker Blalock

(September, 2020)
Thesis in the field of Electrical Engineering and Computer Science: Fast Building Blocks for Machine Learning

David Allan Bloore

Thesis in the field of Nuclear Science and Engineering: Spin-Aware Neural Network Interatomic Potential for Atomistic Simulation

Jeffrey Bosboom

(September, 2020)
Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Exhaustive Search and Hardness Proofs for Games

Matthew S. Brennan

Thesis in the field of Electrical Engineering and Computer Science: Reducibility and Statistical-Computational Gaps from Secret Leakage (Posthumous Award)

Edward Emmett Burnell

(September, 2020)
Thesis in the field of Mechanical Engineering: A Worker-Centered Approach to Convex Optimization in Engineering Design

Lucas Christopher Cahill

Thesis in the field of Medical Engineering and Medical Physics submitted to the Harvard-MIT Program in Health Sciences and Technology: Rapid Evaluation of Pathology Using Nonlinear Microscopy with Applications in Breast Cancer, Prostate Cancer, and Renal Disease

José Pablo Cambronero Sánchez

Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Software Engineering for AutoML

Benjamin Clive Cameron

(February, 2021)
Thesis in the field of Civil and Environmental Engineering: Expanding the Limits of in-situ Mechanical Tests Using Data Analytics and Continuum Mechanics

Yuan Cao

(September, 2020)
Thesis in the field of Electrical Engineering submitted to the Department of Electrical Engineering and Computer Science: Study Of Electronic Correlation And Superconductivity In Twisted Graphene Superlattices

Max Carlson

Thesis in the field of Nuclear Science and Engineering: Design of Fouling-Resistant Coatings for Energy Systems: Theory and Proof of Principle at Realistic Conditions

Paphonwit Chaiwatanodom

Thesis in the field of Chemical Engineering: Fault Detection and Identification of Large-Scale Dynamical Systems

Hao-Yu Derek Chang

Thesis in the field of Civil Engineering and Computation submitted to the Department of Civil and Environmental Engineering: Risk Assessment and Optimal Response Strategies for Resilience of Electric Power Infrastructure to Extreme Weather

Chung-Yun Chao

(September, 2020)
Thesis in the field of Medical Engineering and Medical Physics submitted to the Harvard-MIT Program in Health Sciences and Technology: Engineering of Tools for De Novo Assembly of Human Cells

Amanda Chen

(February, 2021)
Thesis in the field of Biological Engineering: Probing the Role of Cell-Cell Interactions in Hepatic Ensembles

Hongge Chen

(February, 2021)
Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Robust Machine Learning Models and Their Applications

Samuel Chapman Chevalier

(February, 2021)
Thesis in the field of Mechanical Engineering: Inference, Estimation, and Prediction for Stable Operation of Modern Electric Power Systems

Joonwon Choi

(February, 2021)
Thesis in the field of Electrical Engineering and Computer Science: Structural Design and Proof of Hierarchical Cache-Coherence Protocols

Guillaume Pierre Chossière

(February, 2021)
Thesis in the field of Aerospace, Energy, and the Environment submitted to the Department of Aeronautics and Astronautics: Atmospheric Impacts and Potential for Regulation of Current and Emerging Technologies in Transportation

Jonathan Ju-En Chou

(September, 2020)
Thesis in the field of Chemical Engineering: Engineering Nanolayers for Localized Delivery of siRNA

Jane Yuen Yung Chui

(September, 2020)

Thesis in the field of Civil and Environmental Engineering: Mixing with Complex Patterns: from the Impact of Miscible Viscous Fingering to the Effects of Motile Bacteria

James R. Clark

(September, 2020)

Thesis in the field of Aeronautics and Astronautics: Space-Based Laser Guide Stars for Astronomical Observatories

Thomas Charles Close, Jr.

(February, 2021)

Thesis in the field of Chemical Engineering: Kinetic Analysis of Leaching Reactions in Multi-component Mineral Systems

Max Joseph Cotler

Thesis in the field of Medical Engineering and Medical Physics submitted to the Harvard-MIT Program in Health Sciences and Technology: Single Subcompartment Drug Delivery

Carolyn Patricia Coyle

(September, 2020)

Thesis in the field of Nuclear Science and Engineering: Advancing Radiative Heat Transfer Modeling in High-Temperature Liquid-Salts

Avilash Kalpathy Cramer

(February, 2021)

Thesis in the field of Medical Engineering and Medical Physics submitted to the Harvard-MIT Program in Health Sciences and Technology: Design and Applications of Cold-Cathode X-ray Imaging Systems

Isabel R. Crystal

Thesis in the field of Materials Science and Engineering: Size Effects in Shape Memory Ceramics

Ang Cui

Thesis in the field of Health Sciences and Technology submitted to the Harvard-MIT Program in Health Sciences and Technology: Systems Biology Approaches to Deciphering Complex Immune Responses

Marco Francis Cusumano-Towner

(September, 2020)

Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Gen: A High-Level Programming Platform for Probabilistic Inference

Erika Alden DeBenedictis

(February, 2021)

Thesis in the field of Biological Engineering: Engineering Exclusively-Quadruplet Codon Translation in vivo

Skylar Deckoff-Jones

Thesis in the field of Materials Science and Engineering: Chalcogenide Glass on Layered van der Waals Crystals for Integrated Photonic Devices

Zhiwei Ding

Thesis in the field of Materials Science and Engineering: Phonon Hydrodynamic Transport at Elevated Temperature

Kimberly Tam Dinh

(September, 2020)

Thesis in the field of Chemical Engineering: Catalytic Conversion of Methane to Partially Oxidized Products over Copper-Exchanged Zeolites

Kieran Patrick Dolan

(February, 2021)

Thesis in the field of Nuclear Science and Engineering: Tritium Retention in Nuclear Graphite, System-Level Transport, and Management Strategies for the Fluoride-Salt-Cooled High-Temperature Reactor

Siyuan Dong

(February, 2021)

Thesis in the field of Electrical Engineering submitted to the Department of Electrical Engineering and Computer Science: High-Resolution Tactile Sensing for Reactive Robotic Manipulation

Wentao Dong

(September, 2020)

Thesis in the field of Chemical Engineering: Exploring Cancer Metabolism Through Isotopic Tracing and Metabolic Flux Analysis

Jennifer Fox Drexler

(September, 2020)

Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Improving End-to-End Neural Network Models for Low-Resource Automatic Speech Recognition

Pablo Philippe Ducru Clouthier

Thesis in the field of Computational Nuclear Science and Engineering: Nuclear Computations Under Uncertainty

Emma Chute Edwards

(September, 2020)

Thesis in the field of Mechanical Engineering: Optimization of the Geometry of Axisymmetric Point-Absorber Wave Energy Converters

Daniela Espinosa Hoyos

(September, 2020)

Thesis in the field of Chemical Engineering: Engineering Myelination *In Vitro*

Michael F. Everett

(September, 2020)

Thesis in the field of Mechanical Engineering: Algorithms for Robust Autonomous Navigation in Human Environments

Boyu Fan

(September, 2020)

Thesis in the field of Mechanical Engineering: Instabilities of Finite-Width Internal Wave Beams

Elaheh Fata

(September, 2020)

Thesis in the field of Controls submitted to the Department of Aeronautics and Astronautics: New Problems in Revenue Management, Theory and Applications

Andrew F. Feldman

Thesis in the field of Hydrology submitted to the Department of Civil and Environmental Engineering: Soil-Plant-Atmosphere Coupling during Interstorm Periods

Stephen A. Filippone

Thesis in the field of Materials Science and Engineering: Synthesis and Characterization of Chalcogenide Perovskites

Joseph Tyler Finley
(September, 2020)
Thesis in the field of Electrical Engineering and Computer Science: Spintronics Using Low Magnetization Materials

Riley McCrea Fitzgerald
Thesis in the field of Space Systems submitted to the Department of Aeronautics and Astronautics: Optimization and Characterization of Chance-Constrained Guidance, Navigation, and Control for Low-Energy Lunar Transfers

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Dimitrios Fraggedakis
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Haozhe Wang

(February, 2021)
Thesis in the field of Electrical Engineering and Computer Science: Graphene-Metal Interactions beyond Van der Waals Forces

Xuntuo Nelson Wang

(September, 2020)
Thesis in the field of Electrical Engineering and Computer Science: Smart Energy Solutions to Smart Grid Challenges

Yongji Wang

(February, 2021)
Thesis in the field of Civil and Environmental Engineering:
Fundamentals in Unsteady Fluid Fragmentation from Drop Impact

Zhenshu Wang

(September, 2020)
Thesis in the field of Chemical Engineering: Tuning Geometric and Electronic Structure with Core-shell Platform as Enhanced Catalysts

Quantum J. Wei

Thesis in the field of Mechanical Engineering: Can Batch Reverse Osmosis Make Desalination More Affordable and Sustainable?

James Woodward Weis

(September, 2020)
Thesis in the field of Computational and Systems Biology: Computational Approaches to the Optimization of Scientific Efficiency and Impact

Tsui-Wei Weng

(September, 2020)
Thesis in the field of Electrical Engineering and Computer Science: Evaluating Robustness of Neural Networks

Elise Chantal Wilcox

Thesis in the field of Medical Engineering and Medical Physics submitted to the Harvard-MIT Program in Health Sciences and Technology: Substratum Interactions Modulate the Interplay between Endothelial Cell Phenotype, Function, and Immune Recognition

Chi Heem Wong

Thesis in the field of Electrical Engineering and Computer Science: Applications of Data Science and Artificial Intelligence to Decision Making in Healthcare and Finance

Andrew Charles Wright

Thesis in the field of Electrical Engineering and Computer Science: Modular SMT-Based Verification of Rule-Based Hardware Designs

Albert Xiuyuan Wu

(See also S.M., Course X-A)
Thesis in the field of Chemical Engineering: Elucidating the Role of Fluorine on Gas Transport Through Fluorinated Polymer Membranes

Fangzhou Xia

(September, 2020)
Thesis in the field of Mechanical Engineering: Design and Control of Versatile High-Speed and Large-Range Atomic Force Microscopes

Sihan Xie

(February, 2021)
Thesis in the field of Materials Science and Engineering: Development of Colloidal Quantum Dot and Lead Halide Perovskite Light Emitting Devices

Tian Xie

(September, 2020)
Thesis in the field of Materials Science and Engineering: Deep Learning Methods for the Design and Understanding of Solid Materials

Keyulu Xu

Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Modeling Intelligence via Graph Neural Networks

Shuotao Xu

Thesis in the field of Electrical Engineering and Computer Science: Computing Big-data Applications Near Flash

Zhi Xu

Thesis in the field of Electrical Engineering and Computer Science: Data Efficient Reinforcement Learning

Jin Xue

(February, 2021)
Thesis in the field of Electrical Engineering and Computer Science: A Small, Bright Silicon Light-Emitting Diode Directly Integrated with Microelectronics

Tien-Ju Yang

(September, 2020)
Thesis in the field of Electrical Engineering and Computer Science: Hardware-Aware Efficient Deep Neural Network Design

Helen Yao

(September, 2020)
Thesis in the field of Chemical Engineering: Driving Forces of Self-Assembly in Protein-Polymer Bioconjugates

Adam B. Yedidia

(September, 2020)
Thesis in the field of Electrical Engineering and Computer Science: Analysis and Optimization of Occluder-Based Imaging

Emma H. Yee

(February, 2021)
Thesis in the field of Chemical Engineering: Paper-based Molecular Technologies for Faster, More Accessible Infectious Disease Diagnostics

Hui Ting Grace Yeo

(September, 2020)
Thesis in the field of Computational and Systems Biology: Computational Methods for Studying Cellular Differentiation Using Single-Cell RNA-Sequencing

Yang Yu

Thesis in the field of Materials Science and Engineering: Understanding and Exploiting Anion Redox Process for High Energy Density Positive Electrode Materials for Li-ion Batteries

Shichao Yue

Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Enabling Contactless Sleep Studies at Home using Wireless Signals

Hyunwoo Yuk

Thesis in the field of Mechanical Engineering: Wet Adhesion and Bioadhesive Technology

Emmanouil Zampetakis

(September, 2020)
Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Statistics in High Dimensions without IID Samples: Truncated Statistics and Minimax Optimization

Guowei Zhang

(February, 2021)

Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Extending Memory System Semantics to Accelerate Irregular Applications

Qin Zhang

(September, 2020)

Thesis in the field of Mechanical Engineering and Computation submitted to the Department of Mechanical Engineering: Fast Modeling of Multi-phase Mixture Transport in Piston/Ring/Liner System via GAN-Augmented Progressive Modeling

Yifei Zhang

Thesis in the field of Materials Science and Engineering: Reconfigurable Photonics Based on Broadband Low Loss Optical Phase Change Materials

Yunming Zhang

(September, 2020)

Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: GraphIt: Optimizing the Performance and Improving the Programmability of Graph Algorithms

Xueying Zhao

(September, 2020)

Thesis in the field of Materials Science and Engineering: Germanium-on-Silicon Virtual Substrate for Lateral Multijunction Photovoltaics

Sue Zheng

Thesis in the field of Electrical Engineering and Computer Science: Accounting for Computational Expenditures in Bayesian Experimental Design

Ruihao Zhu

Thesis in the field of Controls and Statistics submitted to the Department of Aeronautics and Astronautics: Data-Driven Operations in Changing Environments

Emiko Zumbro

(September, 2020)

Thesis in the field of Materials Science and Engineering: Binding of Multivalent Polymers

SCHOOL OF HUMANITIES, ARTS, AND SOCIAL SCIENCES, DOCTORAL

Doctor of Philosophy

School of Humanities, Arts, and Social Sciences

Marsin Rahim Alshamary

(September, 2020)

Thesis in the field of Political Science: Prophets and Priests: Religious Leaders and Protest in Iraq

Ivan Nikolaev Badinski

(February, 2021)

Thesis in the field of Economics: Essays on Physician Innovation and Practice Style in Healthcare Markets

David Alexander Balcarras

(September, 2020)

Thesis in the field of Philosophy submitted to the Department of Linguistics and Philosophy: On What Language Is

Nathaniel Jacob Baron-Schmitt

(September, 2020)

Thesis in the field of Philosophy submitted to the Department of Linguistics and Philosophy: Doing: An Essay on Causation, Events, and Action in the Most General Sense

Aicha Lucie Ben Dhia

(September, 2020)

Thesis in the field of Economics: Essays on Job Search Assistance and Job Training

Joshua James Bosshardt

Thesis in the field of Economics: Essays on Macroeconomics and Banking

Tugba Bozcaga

(September, 2020)

Thesis in the field of Political Science: Essays on the Political Economy of Service Protection

Thomas James Bernard Byrne

Thesis in the field of Philosophy submitted to the Department of Linguistics and Philosophy: Making Ethics

Benjamin Angel Chang

Thesis in the field of Political Science: Artificial Intelligence and the US-China Balance of Power

Jesse Tyler Clark

Thesis in the field of Political Science: Essays on Electoral System Change in the United States

Colin Pierce Bryon Davis

(September, 2020)

Thesis in the field of Linguistics submitted to the Department of Linguistics and Philosophy: The Linear Limitations of Syntactic Derivations

Benjamin Deaner

Thesis in the field of Economics and Statistics: Essays in Econometrics: Nonparametrics and Robustness

Nicolas Kasem Dumas

(September, 2020)

Thesis in the field of Political Science: Protest without Repression: How Changes in Protest Policing Changed Activism in the US

Mayara Priscila Felix Silva

Thesis in the field of Economics: Essays on The Effects of Public Policy

Michele Fornino

Thesis in the field of Economics: Essays in Macroeconomics

Juliette Lou Marine Fournier

Thesis in the field of Economics: Essays on Spatial Labor Markets and Public Policies

Masao Fukui

Thesis in the field of Economics: Essays on Macroeconomics and International Trade

Mayumi Fukushima

(September, 2020)

Thesis in the field of Political Science: Exploitative Friendships: Manipulating Asymmetric Alliances

Chishio Furukawa

(September, 2020)

Thesis in the field of Economics: Three Essay in Economics

Samuel Isaac Grondahl

(September, 2020)

Thesis in the field of Economics: Essays in Industrial Organization

Jerome Hodges IV

(September, 2020)

Thesis in the field of Philosophy submitted to the Department of Linguistics and Philosophy: Consent and Concepts

Allan J. Hsiao

Thesis in the field of Economics: Essays in Environmental and Development Economics

Clemence Marie Idoux

Thesis in the field of Economics: Essays in Economics of Education

Ali Kakhbod

Thesis in the field of Economics: Essays in Financial Economics

Ömer Karaduman

(September, 2020)

Thesis in the field of Economics and Statistics: Essays on Electricity and Matching Markets

Layne David Kirshon

(September, 2020)

Thesis in the field of Economics: Essays on the Term Structure of Equity Returns

Allison Robbins Koslow

(September, 2020)

Thesis in the field of Philosophy submitted to the Department of Linguistics and Philosophy: Meaning Change, in Theory and in Practice

Kevin Kainan Li

(February, 2021)

Thesis in the field of Economics: Essays in Econometrics and Economic Theory

Nina Katherine Siegel McMurry

(September, 2020)

Thesis in the field of Political Science: From Recognition to Representation: Collective Recognition and Democratic Citizenship in the Philippines

Kacie Kieko Miura

(September, 2020)

Thesis in the field of Political Science: Commerce and Coercion in Contemporary China: Local Leader Responses to Foreign Policy Crises

Rachel Esplin Odell

(September, 2020)

Thesis in the field of Political Science: Mare Interpretatum: Continuity and Evolution in States' Interpretations of the Law of the Sea

Erin Katherine Olson

(September, 2020)

Thesis in the field of Linguistics submitted to the Department of Linguistics and Philosophy: Loanwords and the Perceptual Map: A Perspective from MaxEnt Learning

Alexander Lee Olssen

(February, 2021)

Thesis in the field of Economics: Essays on Industrial Organization and Health Care Markets

Ali Fakhruddin Palida

(September, 2020)

Thesis in the field of Economics: Channels of Communication in Organizations

Mikel Petri Castro

(September, 2020)

Thesis in the field of Economics: Essays on Nominal Rigidities, Bounded Rationality, and Macroeconomic Policy

Anton Popov

(September, 2020)

Thesis in the field of Economics: Essays on Industrial Organization and Urban Economics

Carolyn Rose Spadine

(September, 2020)

Thesis in the field of Linguistics submitted to the Department of Linguistics and Philosophy: The Structure of Attitude Reports: Representing Context in Grammar

Erik Lee Stayton

(September, 2020)

Thesis in the field of History, Anthropology, and Science, Technology, and Society submitted to the Program in Science, Technology, and Society: Humanizing Autonomy: Social Scientists' and Engineers' Futures for Robotic Cars

Carolyn Sarah Maasland Stein

Thesis in the field of Economics: Essays on the Economics of Science and Innovation

Abdul-Razak Sulemana

Thesis in the field of Linguistics submitted to the Department of Linguistics and Philosophy: Non-Finite Complementation: A Case Study of Bùli

Liyang Sun

Thesis in the field of Economics and Statistics: Essays in Econometrics and Public Finance

Claire Isabel Webb

(September, 2020)

Thesis in the field of History, Anthropology, and Science, Technology, and Society submitted to the Program in Science, Technology, and Society: Technologies of Perception: Searches for Life and Intelligence Beyond Earth

SLOAN SCHOOL OF MANAGEMENT, DOCTORAL

Doctor of Philosophy

Sloan School of Management

Jonathan Zalman Aron Yaich Amar

(February, 2021)

Thesis in the field of Operations

Research: Algorithmic Advancements in the Practice of Revenue Management

Philip Samuel Chodrow

(September, 2020)

Thesis in the field of Operations

Research: Structure, Dynamics, and Inference in Networks

Tamar Cohen-Hillel

(September, 2020)

Thesis in the field of Operations

Research: Past Price and Trend Effects in Promotion Planning; from Prediction to Prescription

Vanessa Mariangela Conzon

Thesis in the field of Management: Essays on Professionals' Temporal Autonomy

Arthur J. Delarue

Thesis in the field of Operations

Research: Optimizing School Operations

Zaki Dernaoui

Thesis in the field of Management: Essays in Corporate Finance

Leonardo A. Elias

Thesis in the field of Management: Essays in Financial Economics

Thomas Henry Ernst

(September, 2020)

Thesis in the field of Management: Essays in Financial Economics

Peter G. Hansen

Thesis in the field of Management: Essays in Financial Economics

MohammadMahdi Hashemian

(September, 2020)

Thesis in the field of Management: Essays on the Counter-Intuitive Consequences of Labor Policies in Service Industries

David Michael Holtz

Thesis in the field of Management: Essays on the Design of Online Marketplaces and Platforms

James P. Houghton

(September, 2020)

Thesis in the field of Management: Interdependent Diffusion: The Social Contagion of Interacting Beliefs

Summer Rachel Maria Jackson

Thesis in the field of Management:

Diversity Today: Essays on Inequality in the Modern Workplace

Nihal Koduri

Thesis in the field of Operations

Research: Essays on Decision Making Under Uncertainty

Jourdain Lamperski

(September, 2020)

Thesis in the field of Operations

Research: Structural and Algorithmic Aspects of Linear Inequality Systems

Tianyi Li

Thesis in the field of Management:

Techniques for Simulation Studies in Social Science System Modeling: Parameter Estimation, Strategic Calibration and Structure Verification

Tse Yang Lim

Thesis in the field of Management:

Prevention & Reduction of Opioid Misuse with Systems Exploration: Modelling Complex, Uncertain Problems for Policy Development

Fernando Miguel Pinto Martins

(September, 2020)

Thesis in the field of Management: Essays in Financial Economics

Jenna Elizabeth Myers

Thesis in the field of Management:

Talking Shop: Worker Voice and Representation in the Digital Age

Agni Orfanoudaki

Thesis in the field of Operations

Research: Novel Machine Learning Algorithms for Personalized Medicine & Insurance

Georg Alexander Rickmann

(September, 2020)

Thesis in the field of Management: The Effect of Market Transparency on Corporate Disclosure

Divya Singhvi

(September, 2020)

Thesis in the field of Operations

Research: Data Driven Decision Making in Online and Offline Retail

Somya Singhvi

(September, 2020)

Thesis in the field of Operations

Research: Improving Farmers' and Consumers' Welfare in Agricultural Supply Chains via Data-driven Analytics & Modeling: From Theory to Practice

Deeksha Sinha

(February, 2021)

Thesis in the field of Operations

Research: Optimization for Online Platforms

Li Wang

(September, 2020)

Thesis in the field of Operations

Research: Online and Offline Learning in Operations

Hee Jin Yang

Thesis in the field of Management:

Press '1' to Speak to a Machine: An Examination of the Psychological Factors Influencing Preference for Interaction with Artificially Intelligent Actors

Zhen Yang

Thesis in the field of Management:

Learning to Design, Deliver, and Diffuse Interventions

Shuyi Yu

Thesis in the field of Management: Digital

Technologies, Customer Experience, and Decisions

Kevin Zhang

(September, 2020)

Thesis in the field of Operations

Research: Real-Time Calibration of Large-Scale Traffic Simulators: Achieving Efficiency Through the Use of Analytical Models

Michael Feifan Zhao
(September, 2020)
Thesis in the field of Management:
Essays on Spillover Effects in the Digital
Economy

SCHOOL OF SCIENCE, DOCTORAL

Doctor of Philosophy

School of Science

Tristan Hayward Abbott

Thesis in the field of Atmospheric Science submitted to the Department of Earth, Atmospheric, and Planetary Sciences: Interactions Between Atmospheric Deep Convection and the Surrounding Environment

Daniel Robert Abercrombie

Thesis in the field of Physics: Measurement of \bar{b} in Associated Production with the CMS Detector

Nilin Abrahamson

Thesis in the field of Mathematics: Improved Tools for Local Hamiltonians

Odin Brautigam Achorn

(September, 2020)
Thesis in the field of Chemistry submitted to the Department of Chemistry: Synthesis of Quantum Dots and Polymers for Luminescent Solar Concentrators

Charles Henry Pine Adelmann

Thesis in the field of Biology: New Tools for the Discovery of Pigment Gene Function

Kelsey Rebecca Allen

Thesis in the field of Cognitive Science submitted to the Department of Brain and Cognitive Sciences: Learning to Act with Objects, Relations and Physics

Josimar Alves da Silva Junior

(September, 2020)
Thesis in the field of Geophysics submitted to the Department of Earth, Atmospheric, and Planetary Sciences: Multiphase Flow and Fault Poromechanics: Understanding Earthquake Triggering and Seismic Hazard

Audra Leigh Amasino

(September, 2020)
Thesis in the field of Biology: Keep The ORCs at Bay: How Eukaryotic Cells Ensure One Round of DNA Replication Per Cell Cycle

James Owen Andrews

(February, 2021)
Thesis in the field of Physics: Illuminating Biomolecular Clustering and Condensation in Living Cells Using Super-Resolution Microscopy

Alexandru Bacanu

(February, 2021)
Thesis in the field of Physics: Statistical Inference of Nonequilibrium Processes in Biological Systems

Alexey Balitskiy

Thesis in the field of Mathematics: Bounds on Urysohn Width

Daniel Paul Banks

Thesis in the field of Chemistry submitted to the Department of Chemistry: Advances in Instrumentation for Dynamic Nuclear Polarization & Magic-Angle Spinning NMR

Scarlett Jazmine Barker

(February, 2021)
Thesis in the field of Neuroscience submitted to the Department of Brain and Cognitive Sciences: Cognitive Resilience is Mediated by the MEF2 Network in Mice and Humans

Lou Beaulieu-Laroche

(February, 2021)
Thesis in the field of Neuroscience submitted to the Department of Brain and Cognitive Sciences: Dendritic Biophysics and Evolution

Aleksandr Berdnikov

Thesis in the field of Mathematics: Lipschitz Homotopies of Mappings from S^3 to S^2

Ran Bi

(September, 2020)
Thesis in the field of Physics: Soft and Hard Probes of the Quark-Gluon Plasma

Thomas Julian Boettcher

(February, 2021)
Thesis in the field of Physics: The LHCb GPU High Level Trigger and Measurements of Neutral Pion and Photon Production with the LHCb Detector

Jasmine Therese Brewer

(September, 2020)
Thesis in the field of Physics: Theory and Phenomenology of Heavy-Ion Collisions

Marjorie Dianne Cantine

Thesis in the field of Geology submitted to the Department of Earth, Atmospheric, and Planetary Sciences: Time and Process in Sedimentary Rocks at the Dawn of Animal Life

Sergio Hiram Cantú

(February, 2021)
Thesis in the field of Physics: Photon-Photon Interactions Mediated by Rydberg Polaritons

Bernardo Cervantes

(September, 2020)
Thesis in the field of Microbiology submitted to the Department of Biology: Tool Development for the Rapid Identification of Microbiome Manipulating Agents

Chia-Jung Chang

Thesis in the field of Computational Neuroscience submitted to the Department of Brain and Cognitive Sciences: Optimizing Sensorimotor Behaviors Through Information Integration and Mental Simulation

Kenny Chen

(September, 2020)
Thesis in the field of Chemistry submitted to the Department of Chemistry: The Role of XBP1s in the Unfolded Protein Response and N-Linked Glycosylation

Yongyi Chen

Thesis in the field of Mathematics: Self-Intersection of Manin-Drinfeld Cycles and Taylor Expansion of L-Functions

Anirudh Chiti

Thesis in the field of Physics: Mapping the Ancient Milky Way and its Relic Dwarf Galaxies

Woo Chang Chung

Thesis in the field of Physics: Quantum Simulation of Spin-1 Physics with Bosons in Optical Lattice

Julien Edward Clancy
Thesis in the field of Mathematics:
Interpolating Spline Curves of Measures

Gregory Thomas Cleveland
Thesis in the field of Chemistry
submitted to the Department of
Chemistry: Driving Novel Reactivity
by Decoding the Electronic Structure of
Nontrigonal Phosphorus Triamides

Kendall Janine Condon
Thesis in the field of Cell Biology
submitted to the Department of Biology:
A Systematic Approach for Cataloging
mTORC1 Regulators

Lorraine De Jesús-Kim
(February, 2021)
Thesis in the field of Biochemistry
submitted to the Department of
Biology: Single-Molecule Studies of
the Mechanism of Eukaryotic Helicase
Activation

Olukunle Oluseyi Demuren
(September, 2020)
Thesis in the field of Biology: Molecular
Mediators of Cardiac-Specific Enhancer
Activation

Roger Christopher Diehl
(February, 2021)
Thesis in the field of Chemistry
submitted to the Department of
Chemistry: CH- π Interactions Play a
Central Role in Protein Recognition of
Carbohydrates

Jesús M. Dones-Monroig
Thesis in the field of Chemistry
submitted to the Department of
Chemistry: Damaged Collagen Detection
and A Novel Approach to 1,3-Dipolar
Cycloaddition Selectivity: Research at the
Interface of Chemistry and Biology

Krysta Alanna Dummit
(September, 2020)
Thesis in the field of Chemistry submitted
to the Department of Chemistry: Studies
in Duality: Discovering a Dual-Catalytic
Amination Reaction and Investigating
the Origin of Biphilicity in Phosphacycles

Robin Augustine Raphael Elliott
Thesis in the field of Mathematics:
Quantitative Topology of Loop Space

Kevin M. Ellis
(September, 2020)
Thesis in the field of Cognitive Science
submitted to the Department of Brain
and Cognitive Sciences: Algorithms for
Learning to Induce Programs

Casper Nørskov Enghuus
Thesis in the field of Biology: Tools
for Engineering Multicellular Systems
Through Cell Sorting and Cell State
Detection

Christopher Terry Fincher
(September, 2020)
Thesis in the field of Biology:
Comprehensive Single-Cell
Transcriptional Profiling of the
Regenerative Planarian *Schmidtea
mediterranea*

Jesse Benjamin Freeman
Thesis in the field of Mathematics: The
Surgery Exact Triangle in Monopole Floer
Homology with $Z[i]$ Coefficients

Christian Gaetz
Thesis in the field of Mathematics: New
Combinatorics of the Weak and Strong
Bruhat Orders

Alethe Gaillard de Saint Germain
(September, 2020)
Thesis in the field of Chemistry
submitted to the Department of
Chemistry: Single-Cell Technology
Developments: From 3' Barcoding to
Recording Historical Metadata through
Endothelial Cells Differentiation

Frank Yi Gao
Thesis in the field of Chemistry
submitted to the Department of
Chemistry: Photoinduced Dynamics
Studied using Single-Shot Optical and
Terahertz Spectroscopy

Martin D. Gelenter
Thesis in the field of Chemistry
submitted to the Department of
Chemistry: Development and
Application of Solid-State NMR Methods
for Investigating Protein Structure and
Dynamics

Charles Garrison Gertler
(September, 2020)
Thesis in the field of Climate Physics and
Chemistry submitted to the Department
of Earth, Atmospheric, and Planetary
Sciences: On Extratropical Storminess
and Climate: Anthropogenic Warming,
Potential Interventions, and Advances
in Theory of Mean Available Potential
Energy

James Connor Gilhula
Thesis in the field of Chemistry
submitted to the Department of
Chemistry: Polarity Inversion in Silicon
and Phosphorus Compounds

Jacob Mitchell Gold
(February, 2021)
Thesis in the field of Mathematics:
Organizing Principles of a Many-Bodied
Driven System

Peter James Haine
Thesis in the field of Mathematics: On the
Homotopy Theory of Stratified Spaces

Mark Michael Harden, Jr.
(February, 2021)
Thesis in the field of Biology: Interactions
between an Integrative and Conjugative
Element and Its Bacterial Host

James Hirst
(September, 2020)
Thesis in the field of Mathematics:
Coupling Sparse Models and Dense
Extremal Problems

Jordan Sun Ho
(September, 2020)
Thesis in the field of Chemistry
submitted to the Department of
Chemistry: Squaric Esters Applications as
Novel Lysine Electrophiles in Molecular
Probe Design

Rebecca Lynn Holden
(September, 2020)
Thesis in the field of Chemistry
submitted to the Department of
Chemistry: Addressing Delivery and
Synthesis Challenges for Peptide-Based
Cancer Vaccines

Sungjoon Hong
(February, 2021)
Thesis in the field of Physics: Topological
and Collective Phenomena in Quantum
Many-Body Systems

Gladia C. Hotan
(September, 2020)
Thesis in the field of Neuroscience submitted to the Department of Brain and Cognitive Sciences: State-Space Modeling and Electroencephalogram Source Localization of Slow Oscillations with Applications to the Study of General Anesthesia, Sedation and Sleep

Alexander William Hull
(September, 2020)
Thesis in the field of Chemistry submitted to the Department of Chemistry: Collisional Transfer between Excited Electronic States as a Mechanism for Sulfur Mass-Independent Fractionation

Christine Rose Isabella
(February, 2021)
Thesis in the field of Chemistry submitted to the Department of Chemistry: Carbohydrate and Bacterial Binding Specificity of Human Intellectin-1

Nikola A. Ivica
Thesis in the field of Biology: MFSD7C: A Solute Carrier Linking Heme and Calcium in Mitochondrial Energy Metabolism

Emily Katherine Jackson
Thesis in the field of Biology: Evolution of Large Palindromes on the Primate X Chromosome

Joseph R. Jacobowitz
(September, 2020)
Thesis in the field of Biology: Reverse Genetic Approaches Reveal Gene Redundancy in Arabidopsis Anthers

Wenjie Ji
(September, 2020)
Thesis in the field of Physics: Anomalies and Symmetries on the Boundary of Topological Ordered Phases

Joseph Patrick Johnston
Thesis in the field of Physics: Applications of Low Temperature Bolometers to Reactor Neutrinos and Neutrinoless Double Beta Decay

Daniil Kalinov
Thesis in the field of Mathematics: Construction of Deligne Categories through Ultrafilters and Its Applications

Corey Jarin Kaminsky
(February, 2021)
Thesis in the field of Chemistry submitted to the Department of Chemistry: Environmental Tuning of the Reactivity of Molecules Confined to Polarized Interfaces

Gurtej S. Kanwar
Thesis in the field of Physics: Machine Learning and Variational Algorithms for Lattice Field Theory

Henry Ralph Kilgore
(September, 2020)
Thesis in the field of Chemistry submitted to the Department of Chemistry: Physical Consequences of Natural and Synthetic Post-Translational Modifications

Ryan Philip King
Thesis in the field of Chemistry submitted to the Department of Chemistry: Design of New, More Stable, Precursors to Organopalladium(II) Complexes and Methods for the Palladium-Mediated Late-Stage Diversification of Pharmaceuticals

Dahlia Rivka Klein
Thesis in the field of Physics: Magnetism in Two-Dimensional van der Waals Materials

Frederic Koehler
Thesis in the field of Mathematics and Statistics submitted to the Department of Mathematics: Provable Algorithms for Learning and Variational Inference in Undirected Graphical Models

Patrick Theodore Komiske III
Thesis in the field of Physics: Machine Learning for High-Energy Collider Physics

Austin Grant Kruger
(September, 2020)
Thesis in the field of Chemistry submitted to the Department of Chemistry: Polymers to Modulate Host-Microbe Interactions

Hyuk Jun Kweon
Thesis in the field of Mathematics: Bounds on the Torsion Subgroups of Néron-Severi Group

Rolando Luis La Placa Massa
Thesis in the field of Physics: Cryptographic Simulation Techniques with Applications to Quantum Zero-Knowledge and Copy-Protection

Laurens Johannes Lambert
(September, 2020)
Thesis in the field of Biology: Development and Characterization of Immunogenic Genetically Engineered Mouse Models of Pancreatic Cancer

Timothy Michael James Large
Thesis in the field of Mathematics: Spectral Fukaya Categories of Liouville Manifolds

Charles Han Li
(February, 2021)
Thesis in the field of Biology: Genome Organization in Transcriptional Regulation

Yau Wing Li
Thesis in the field of Mathematics: Endoscopy for Affine Hecke Categories

Zhaoqi Li
(February, 2021)
Thesis in the field of Biochemistry submitted to the Department of Biology: Bioenergetics and Metabolism of Eukaryotic Cell Proliferation

Zhulin Li
Thesis in the field of Mathematics: Unstable Modules with Only the Top k Steenrod Operations

Rosary Yuting Lim
(September, 2020)
Thesis in the field of Neuroscience submitted to the Department of Brain and Cognitive Sciences: Hippocampal Microcircuits for Social Memory Specification

Thuy-Lan Vo Lite
(September, 2020)
Thesis in the field of Biology: The Genetic Landscape of Protein-Protein Interaction Specificity

Yunpeng Liu

(February, 2021)
Thesis in the field of Computational and Systems Biology submitted to the Department of Biology: Integrative Multi-Omics Dissection of Cancer Cell States and Susceptibility

Alexander Robert Loftis

(September, 2020)
Thesis in the field of Chemistry submitted to the Department of Chemistry: Re-Targeting of Anthrax Toxin Binding for Immunomodulation and Targeted Cancer Therapy

Nolan Kenji Kwaisun Maier

(February, 2021)
Thesis in the field of Cell Biology submitted to the Department of Biology: Separate Cleaves the Kinetochore Protein Meikin to Direct the Meiosis I/II Transition

Aaron John Mallek

Thesis in the field of Chemistry submitted to the Department of Chemistry: Organometallic Palladium Reagents for Polypeptide Bioconjugation and Macrocyclization

Venkata Shiva Mandala

(February, 2021)
Thesis in the field of Chemistry submitted to the Department of Chemistry: Structure and Dynamics of Influenza M2 Proton Channels from Solid-State NMR

Dmitro Jaroslau Martynowych

(February, 2021)
Thesis in the field of Chemistry submitted to the Department of Chemistry: Materials in Extreme Conditions: Experimental Developments and Studies of Systems Far From Equilibrium

Sean Edward McGeary

(February, 2021)
Thesis in the field of Biology: Understanding microRNA Targeting with High-Throughput Biochemistry

Catherine Patricia McGeough

Thesis in the field of Chemistry submitted to the Department of Chemistry: Catalysis, Synthesis, and Materials in Support of Chemical Understanding and Global Health

Jonathan Francis Melville

Thesis in the field of Chemistry submitted to the Department of Chemistry: Towards Sustainable Electrosynthesis of Industrially Valuable Small Molecules

Eric Mario Metodiev

(September, 2020)
Thesis in the field of Physics: Energy Flow in Particle Collisions

Hans Emil Oscar Mickelin

Thesis in the field of Mathematics: Themes in Numerical Tensor Calculus

Kevin Joseph Montes

Thesis in the field of Physics: Interpretable Machine Learning for Prediction and Avoidance of Disruptions in Tokamak Plasmas

Hye Won Moon

Thesis in the field of Chemistry submitted to the Department of Chemistry: Expanding Deoxygenative Transformations of Alcohols by Phosphorus Compounds through Geometric Deformation

Jarrett S. Moon

(September, 2020)
Thesis in the field of Physics: Using Deep Learning to Search for the MiniBooNE Low Energy Excess in MicroBooNE With $>3\sigma$ Sensitivity

Summer Ashlee Morrill

(September, 2020)
Thesis in the field of Biology: The Persistence of Haploinsufficiency and Its Role in Genome Evolution

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Zhuchang Zhan

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AWARDED JOINTLY WITH THE WOODS HOLE OCEANOGRAPHIC INSTITUTE, DOCTORAL

Doctor of Philosophy

Marianne Acker

Thesis in the field of Chemical Oceanography submitted to the Department of Earth, Atmospheric, and Planetary Sciences: Phosphonate Biogeochemical Cycling in the Marine Environment: From an Ocean Scale to a Molecular Scale

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(February, 2021)

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Jianhua Gong

(February, 2021)

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(September, 2020)

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Nathaniel Rust Mollica

(February, 2021)

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Ryan Edward O Shea

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Gabriela Serrato Marks

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Benjamin Macy Urann

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Madeleine Kendall Youngs

(September, 2020)

Thesis in the field of Physical Oceanography submitted to the Department of Earth, Atmospheric, and Planetary Sciences: Residual Overturning Circulation and Its Connection to Southern Ocean Dynamics

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