Honoring the Class of 2018

RACKHAM GRADUATE EXERCISES
UNIVERSITY OF MICHIGAN

April 27, 2018
10:00 a.m.

Candidates for graduate degrees are recommended jointly by the Executive Board of the Horace H. Rackham School of Graduate Studies and the faculty of the school or college awarding the degree. Following the School of Graduate Studies, schools are listed in order of their founding. Candidates within those schools are listed by degree then by specialization, if applicable.

A preliminary list of August 2018 degree candidates begins on page 45.

This program presents as complete and accurate a record of candidates for degrees as is possible as of the publication date.

ORDER OF EXERCISES

Carillon Selections

Tiffany Ng
University Carillonist and Assistant Professor of Music
School of Music, Theatre & Dance

Prelude

Pièce d'Orgue, BWV 572
Composed by Johann Sebastian Bach
James Kibbie
University Organist and Professor of Music
School of Music, Theatre & Dance

***Processional**

Trumpet Voluntary
Composed by Jeremiah Clarke
James Kibbie

***The National Anthem**

The Star Spangled Banner
John Daugherty
Soloist
Doctor of Musical Arts Candidate, School of Music, Theatre & Dance

Welcome

Martin A. Philbert
Provost and Executive Vice President for Academic Affairs

Statement to the Class of 2018

Mark S. Schlissel
President

Musical Selections

The Little Road
Composed by Moira Smiley

The University
Composed by Jerry H. Bilik and Hazen J. Schumacher

University of Michigan Women's Glee Club
Julie Skadsem
Conductor

Commencement Address

David R. Walt
Life Scientist, Professor of Pathology, Harvard Medical School, and Alumnus

Remarks on Behalf of the Horace H. Rackham School of Graduate Studies

Michael J. Solomon
Interim Dean, Horace H. Rackham School of Graduate Studies and Vice Provost for Academic Affairs–Graduate Studies

Candidates for Master's Degrees and Certificates	Mark S. Schlissel Michael J. Solomon
Presentation and Hooding of Doctoral Candidates	Mark S. Schlissel Michael J. Solomon
Congratulations	Ellen Agress *Chair of the Board of Directors, Alumni Association*
***The Alma Mater**	**The Yellow and Blue** *Composed by Michael W. Balfe* Accompanied by James Kibbie (see lyrics on back cover and melody on page 52)
***Recessional**	**Toccata from Symphony V** *Composed by Charles-Marie Widor* James Kibbie

*Those who are able are asked to stand for the portions of the program asterisked (*). At the conclusion of the program, the audience will please remain standing until the platform party has left the auditorium.

In consideration of the graduates and other guests in attendance, we kindly request that you mute your cellular telephones and take restless children to the lobby. For your convenience, live audio is provided in the main lobby so you may continue to enjoy the ceremony.

REGENTS OF THE UNIVERSITY

Michael J. Behm	Grand Blanc
Mark J. Bernstein	Ann Arbor
Shauna Ryder Diggs	Grosse Pointe
Denise Ilitch	Bingham Farms
Andrea Fischer Newman	Ann Arbor
Andrew C. Richner	Grosse Pointe Park
Ron Weiser	Ann Arbor
Katherine E. White	Ann Arbor
Mark S. Schlissel	*ex officio*

EXECUTIVE OFFICERS

Mark S. Schlissel	*President*
Martin A. Philbert	*Provost and Executive Vice President for Academic Affairs*
Sally J. Churchill	*Vice President and Secretary of the University*
E. Royster Harper	*Vice President for Student Life*
Kevin P. Hegarty	*Executive Vice President and Chief Financial Officer*
S. Jack Hu	*Vice President for Research*
Timothy G. Lynch	*Vice President and General Counsel*
Jerry A. May	*Vice President for Development*
Kallie Bila Michels	*Vice President for Communications*
Andrew Rosenberg	*Interim Vice President for Information Technology and Chief Information Officer*
Marschall S. Runge	*Executive Vice President for Medical Affairs*
Cynthia H. Wilbanks	*Vice President for Government Relations*
Susan E. Borrego	*Chancellor* *University of Michigan-Flint*
Daniel Little	*Chancellor* *University of Michigan-Dearborn*

DEANS AND REPRESENTATIVES

Michael Barr	*Joan and Sanford Weill Dean of Public Policy, Gerald R. Ford School of Public Policy*
Cathleen Connell	*Interim Dean, School of Public Health*
James Dalton	*Dean, College of Pharmacy*
Scott DeRue	*Edward J. Frey Dean of Business, Stephen M. Ross School of Business* (represented by Senior Associate Dean Francine Lafontaine)
Thomas A. Finholt	*Dean, School of Information*
Alec D. Gallimore	*Robert J. Vlasic Dean of Engineering, College of Engineering*
James L. Hilton	*University Librarian and Dean of University Libraries*
Patricia D. Hurn	*Dean, School of Nursing* (represented by Ph.D. Program Director Ellen Smith)
Andrew D. Martin	*Dean, College of Literature, Science, and the Arts*
Jonathan Massey	*Dean, A. Alfred Taubman College of Architecture and Urban Planning*
Laurie K. McCauley	*Dean, School of Dentistry* (represented by Associate Dean Russell Taichman)
Elizabeth Birr Moje	*Dean, School of Education*
Gunalan Nadarajan	*Dean, Penny W. Stamps School of Art & Design* (represented by Associate Dean Elona Van Gent)
Jonathan T. Overpeck	*Samuel A. Graham Dean, School for Environment and Sustainability*
Lori Ploutz-Snyder	*Dean, School of Kinesiology*
Melody Lynn Racine	*Interim Dean, School of Music, Theatre & Dance* (represented by Associate Dean Jason Corey)
Marschall S. Runge	*Dean, Medical School*
Michael J. Solomon	*Interim Dean, Horace H. Rackham School of Graduate Studies and Vice Provost for Academic Affairs–Graduate Studies*
Lynn Videka	*Dean, School of Social Work*
Mark D. West	*Dean, Law School*

COMMENCEMENT SPEAKER

David R. Walt

Life Scientist, Professor, and Alumnus

Life scientist and University of Michigan alumnus David Walt, professor of pathology at Brigham and Women's Hospital at Harvard Medical School, has revolutionized genetic and proteomic analysis with his groundbreaking research. He also is the Hansjörg Wyss Professor of Biologically Inspired Engineering at Harvard University's Wyss Institute and a Howard Hughes Medical Institute Professor. Born in Detroit, Professor Walt moved to Southfield at age six. He earned a B.S. degree in chemistry (1974) from U-M, a Ph.D. in chemical biology (1979) from the State University of New York at Stony Brook, and did postdoctoral studies at the Massachusetts Institute of Technology. He served on the Tufts University faculty from 1981 until joining Harvard in 2017. In 1996, Dr. Walt invented microwell arrays that were three billion times smaller than those previously used to track and screen cells. He subsequently developed random arrays with beads containing different DNA binding sequences. His innovations, now the gold standard for gene sequencing, accelerated the International HapMap Project's success in identifying human genetic variations. Thousands of researchers worldwide are using the BeadArray platform commercialized by Illumina, a firm he founded, to improve food production, animal breeding, and human health, including determining causes of diabetes and a variety of cancers, among other diseases. Professor Walt also is the scientific founder of Quanterix Corp., which is having a similar impact on protein diagnostics, and co-founder of two other life science startups. He has published more than 300 papers and holds nearly 100 patents. Professor Walt is a member of U-M's Life Sciences Institute Scientific Advisory Board and Leadership Council and has served on the Department of Chemistry Advisory Board and the College of Literature, Science & Arts Dean's Advisory Council. He and his wife, Michele May, are members of the Victors for Michigan National Campaign Leadership Board and the New England Campaign Leadership Council. Together, they created the May-Walt Summer Chemistry Scholars Fund to support student research. He was named a Howard Hughes Medical Professor for his initiatives to improve science, technology, engineering, and math education, including programs that encourage undergraduate through postdoctoral researchers to work with and motivate K-12 students to study science. Currently a member of the National Cancer Institute External Alliance Steering Committee, Professor Walt co-chaired the National Academies of Sciences, Engineering, and Medicine Board on Chemical Sciences and Technology and recently co-chaired the National Academies Committee on a Vision for the Future of Center-Based Multidisciplinary Engineering Research. He is a member of the National Academy of Engineering and the National Academy of Medicine and a fellow of the American Academy of Arts and Sciences, the American Institute for Medical and Biological Engineering, and the National Academy of Inventors. He has been recognized with the American Chemical Society Award for Creative Invention and Kathryn C. Hach Award for Entrepreneurial Success, among other honors.

Through his passion for discovery and success in commercializing new technologies, Dr. Walt demonstrates the power of science to advance knowledge and improve the human condition. He inspires students and colleagues with his research, entrepreneurship, and commitment to recruit young people into math and science, giving them the opportunity to bring new insights and information to light and contribute to the world's well-being. The University of Michigan is delighted to welcome David R. Walt back to campus and proud to present him the honorary degree, Doctor of Science.

DISSERTATION CHAIRS

Doctoral dissertation research is conducted in consultation with a committee of faculty members selected by the candidate. The dissertation chair leads the committee and works closely with the student to guide the research. This collaboration is a fundamental relationship in the formation of scholars and so it is fitting that dissertation chairs of the doctoral graduates be asked to attend the ceremony and hood their students.

Goncalo Abecasis
Jacob Abernethy
Christine A. Aidala
Mohammad Alhawary
John Edmond Allison
Evelyn Azeeza Alsultany
Dante Eric Amidei
Barbara A. Anderson
Philip C. Andrews
Anthony Antonellis
Toni C. Antonucci
Larry E. Antonuk
Ellen M. Arruda
Adam Philip Ashforth
Andrew P. Ault
Catherine E. Badgley
Bob Bain
Deborah Loewenberg Ball
Pamela Ballinger
James M. Balter
Mark M. Banaszak Holl
Jennifer S. Barber
Scott E. Barolo
Bart Bartlett
Ana Baylin
Udo Becker
Kent C. Berridge
Matthew Nicholas Biro
Andre L. Boehman
Stani V. Bohac
Victoria Booth
John Bound
Thomas M. Braun
Steven P. Broglio
Ronald J. Buckanovich
Charles Burant
Allen Burton
Laura Buttitta
Michael John Cafarella
Cleopatra Howard Caldwell
Scott Douglas Campbell
Vernon Bruce Carruthers
Par Kristoffer Cassel
Matias Damian Cattaneo
Rosario E. Ceballo
Steven L. Ceccio
Carlos E. Cesnik
Heang-Ping Chan
Peter M. Chen
Zhan Chen
Cynthia Anne Chestek
Nikolaos Chronis
Rhima M. Coleman
Kathleen L. Collins
Kai Schnabel Cortina
Lilia M. Cortina
Maria C. Cruz Da Silva Castro
Shanna Daly
Michael K. Daugherty
Matthew Allen Davis
Cheri Xiaoyu Deng
Hui Deng
Brian Denton
Harm Derksen
Christopher William Dick
Lisa Jane Disch
Charles R. Doering
James F. Driscoll
Nell Kristine Duke
Robert K. Duncan
Karthik Duraisamy
Susan Marie Dynarski
Allison Nancy Earl
Joseph Neil Eisenberg
Brian Robert Ellis
Phoebe C. Ellsworth
Lola Eniola-Adefeso
Bogdan Epureanu
Xudong Fan
David O. Ferguson
Daniel P. Ferris
Jeffrey A. Fessler
Krzysztof J. Fidkowski
Daniel C. Fisher
Barry Jay Fishman
James Richard Forbes
Stephen R. Forrest
Sara L. Forsdyke
Betsy Foxman
Donald Freeman
Jianping Fu
Dario Gaggio
Alec D. Gallimore
Mirko Gamba
Amanda Lee Garner
Charles Hiroshi Garrett
Susan A. Gelman
Anne Ruggles Gere
William V. Giannobile
Anna Catherine Gilbert
Bruno J. Giordani
Sharon C. Glotzer
Rachel S. Goldman
Theodore G. Goodson III
Aubree Gordon
Peter F. Green
Jolanta E. Grembecka
Jessy W. Grizzle
Karl Grosh
Yuanfang Guan
Colin Gunckel
L. Jay Guo
Michael L. Haithcock
Kristina I. Hakansson
J. Alex Halderman
Philip C. Hanna
Gary W. Harper
Richard E. Harris
Jarrod L. Hayes
Kim F. Hayes
Zhong He
Patricio G. Herbst
Allen D. Hicken
James R. Hines, Jr.
Richard A. Hirth
Michael Allan Holinstat
Megan L. Holmes
Christopher L. House
Jane Elizabeth Huggins
Mark D. Hunter
Raffi J. Indjejikian
Daniel J. Inman
Judith T. Irvine
Kali A. K. Israel
Peter D. Jacobson
Robert Scott Jansen
Eric Johnsen
Jeremiah Johnson
J. Wayne Jones
John Jonides
Benjamin Alexander Jorns
Fritz A. Kaenzig
Sharon Reilly Kardia
Robert T. Kennedy
Gregory A. Keoleian
Branko Kerkez
Jinsang Kim
Cheryl A. King
William Michael King
Daniel J. Klionsky
Raoul Kopelman
Oliver Daniel Kripfgans
Benjamin Kuipers
Mark Kushner
Joerg Lahann
Thomas Fun Yau Lam
Clifford A. Lampe
Rebecca Ann Lange
Finn Larsen
Janet Louise Larson
Ronald G. Larson
Walter Lasecki
Adam Lauring
Elizabeth Lawlor
Fiona Lee
SangHyun Lee
Seunggeun Shawn Lee
Sunghee Lee
Michael Paul Lempert
Jonathan Levine
Julian Arnold Levinson
Marjorie Levinson
Israel Liberzon
Michael Warren Liemohn

DISSERTATION CHAIRS

Allen Po-Chih Liu
Mingyan Liu
Yili Liu
Kyger C. Lohmann
Brian J. Love
Lisa Kane Low
Wei Lu
Nicholas W. Lukacs
Steven K. Lundy
Jerome P. Lynch
Peter X. Ma
Ramaswami Mahalingam
Ivan Patrick Maillard
Stephen Maldonado
Karla Mallette
Jason Mars
Neil Marsh
Brent Randall Martin
German Martinez
George A. Mashour
Adam J. Matzger
Pinaki Mazumder
Sara Isobel McClelland
Anne Jennifer McNeil
Sean Kevin Meehan
Carol C. Menassa
Sofia D. Merajver
Roberto D. Merlin
Mark E. Meyerhoff
George Michailidis
Christopher John Miller
Janis Miriam Miller
Ryan Edward Mills
Alison Mondul
John Montgomery
James J. Moon
Pamela Ann Moss
Raj Rao Nadakuditi
Venkatesh K. Nagar
Khalil Najafi
Satish Narayanasamy
Nouri Neamati
Mark W. Newman
Jun Ni
Douglas C. Noll
Carla O'Connor
Kenn Richard Oldham
Edwin Olson
Gabor Orosz
Annemarie Sullivan Palincsar
Jwo Pan
Josh Pasek
Huei Peng
Marc Perlin
Sierra Victoria Petersen
Derek R. Peterson
Donald Joseph Peurach
Brian Anthony Pierchala
Kevin Patrick Pipe
Scott Pletcher
Brian A. Porter-Szucs
Derek J. Posselt
Alexander D. Potts
Lisa Prosser
Aswin Punathambekar
Dragomir Radkov Radev
Trivellore E. Raghunathan
Ayyalusamy Ramamoorthy
Venkatramanan Raman
Stephen C. Rand
C. David Remy
Nilton O. Renno
Matthew Stephen Ronfeldt
Gustavo Rosania
Christopher S. Ruf
Melanie S. Sanford
Kamal Sarabandi
Douglas E. Schaubel
Amy Jo Schulz
Johannes W. Schwank
Anna A. S. Schwendeman
Steven P. Schwendeman
Peter J. Scott
Rachael D. Seidler
Julia Schwartz Seng
Keren Sharon
Siqian May Shen
Cong Shi
Kang Geun Shin
Hollis D. Showalter
Donald Jason Siegel
Kathleen Helen Sienko
Edward A. Silver
Raymond A. Silverman
Lyle A. Simmons
Mrinalini Sinha
Jacqui Smith
Karen E. Smith
Andrew Snowden
Daniel Southworth
Jason Spence
Duncan G. Steel
Jan Philip Stegemann
Robert Brian Stephenson
Edward L. Stuenkel
Duxin Sun
Xiaodong Sun
Veera Sundararaghavan
Dennis Michael Sylvester
Nathaniel Szymczak
Lingjia Tang
Ruby Christina-Marie Tapia
Jeremy Michael George Taylor
Stephanie D. Teasley
Demosthenis Teneketzis
Ambuj Tewari
Levi Theodore Thompson
Marita G. Titler
Peter Todd
Raymond C. Trievel
Armin W. Troesch
Alexander Tsodikov
Hector Valdivia
Greg van Anders
Sarah Veatch
Eduardo Villamor
Xueding Wang
Gary S. Was
Daphne C. Watkins
Michael P. Wellman
James Daniel Wells
David D. Wentzloff
James D. Westphal
Cristen J. Willer
Elizabeth R. Wingrove
Margaret S. Wooldridge
Jun Wu
Yukiko Yamashita
Qiong Yang
Bing Ye
Jianzhi Zhang
Youxue Zhang
Bing Zhou
Paul Zimmerman
Michal R. Zochowski
Genevieve Zubrzycki

MARSHALS OF THE UNIVERSITY

Mika LaVaque-Manty	*Arthur F. Thurnau Professor* *Associate Professor of Political Science and Philosophy* *Director, Honors Program* *College of Literature, Science, and the Arts* *Chief Marshal*
Valeria Bertacco	*Arthur F. Thurnau Professor* *Professor of Electrical Engineering and Computer Science* *College of Engineering* *Associate Dean for Physical Sciences and Engineering* *Horace H. Rackham School of Graduate Studies* *Assistant Chief Marshal*
Leigh A. Woods	*Professor of Theatre and Drama* *School of Music, Theatre & Dance* *Assistant Chief Marshal*

ACADEMIC DRESS AND CUSTOM

The colorful gowns and hoods worn by faculty members at commencement and other academic ceremonies represent the degrees, disciplines, and alma maters of the wearers. The American academic costume tradition, imported from England, dates to Colonial days.

Gowns

Bachelor's or master's degree gowns traditionally are black, as are many doctoral gowns in the United States. Some universities prescribe that their graduates wear gowns of another solid color such as blue, crimson, or green. Gowns differ in sleeve cut and trim. For example, the bachelor's gown has long, pointed sleeves while the master's gown has oblong sleeves. Doctoral gowns, with their distinctive bell-shaped sleeves, feature velvet panels down the front and around the neck, as well as crossbars of velvet on the sleeves. Colored trim denotes the field or discipline in which the degree was earned. Usually only a single degree from one institution is indicated by a garment. If more than one degree is held, the gown and hood of the higher or highest degree usually are worn.

Hoods

The hood most precisely describes the wearer's level of degree earned, the major field of learning, and the alma mater. The level of the degree held is indicated by the hood's shape and size and the width of its velvet or velveteen trimming. The bachelor's, master's, and doctor's hoods are 36 inches, 42 inches, and 48 inches long, respectively. The velvet trim is two, three, and five inches wide, with the narrowest being for the bachelor's hood and the widest for the doctor's hood. The color of trim on the hood, as on the gown, identifies the major field of learning in which the degree was awarded. The hood is lined with the official colors of the college or university conferring the degree.

Caps

Caps vary in style from the traditional black mortarboard to eight-, six-, and four-corner tams, and Elizabethan-style caps. The mortarboard may be of any appropriate material, such as cotton, poplin, rayon, or silk, to match the gown. Velvet is reserved for holders of doctorates.

UNIVERSITY FLAGS

The flags behind the platform are arranged in the order in which the schools and colleges they represent were founded. As the audience faces the flags, the arrangement from left to right is the following:

College of Literature, Science, and the Arts

Medical School

Law School

School of Dentistry

College of Pharmacy

College of Engineering

Horace H. Rackham School of Graduate Studies

A. Alfred Taubman College of Architecture and Urban Planning

School of Education

Stephen M. Ross School of Business

President's flag

University flag

Regents' flag

School for Environment and Sustainability

School of Music, Theatre & Dance

School of Nursing

School of Public Health

School of Social Work

University of Michigan-Flint

University of Michigan-Dearborn

School of Information

Penny W. Stamps School of Art & Design

School of Kinesiology

Gerald R. Ford School of Public Policy

FLAG BEARERS

Johanna L. Heureaux-Torres
Horace H. Rackham School of Graduate Studies Flag

Trevor John Kilgore
University Flag

ACADEMIC COLORS

The colors of the various disciplines are as follows:

Architecture and Urban Planning	*blue violet*
Business Administration	*drab*
Dentistry	*lilac*
Education	*light blue*
Engineering	*orange*
Environment and Sustainability	*russet*
Fine Arts	*brown*
Information	*lemon*
Kinesiology	*sage green*
Law	*purple*
Literature and Arts	*white*
Medicine	*green*
Music	*pink*
Nursing	*apricot*
Pharmacy	*olive green*
Philosophy	*dark blue*
Public Health	*salmon pink*
Public Policy	*peacock blue*
Science	*golden yellow*
Social Work	*citron*

Mingled colors distinguish combined curriculums.

THE UNIVERSITY MACE

The University's mace, a symbol of authority, is carried at the head of academic processions on such important ceremonial occasions as commencements, convocations, and inaugurations. The mace being used today was given to the University in 1968 by the Senior Board, representing all the undergraduate schools and colleges. Crafted of red oak and trimmed with silver, the mace features the seals of the University and of the State of Michigan. Also engraved on the mace are the names of the University Presidents.

SCHOOLS AND COLLEGES OF THE UNIVERSITY

The order of presentation is by the year of founding.

College of Literature, Science, and the Arts

The College of Literature, Science, and the Arts, founded in 1841, was the first duly constituted college of the University of Michigan. Today, with more than 15,000 undergraduate and 2,000 graduate students, LSA is the largest of the University's schools and colleges, and it is still the heart of the campus. Distinguished in the humanities since its earliest years, the college became preeminent in the natural sciences during the early 20th century and went on to become a world leader in social science research. The college has always been dedicated to providing a richly diverse liberal arts education that prepares students to lead fulfilling lives as responsible citizens within a wide range of professional careers.

Medical School

Since opening its doors in 1850, the Medical School has been a leader in medical education, patient care, and biomedical research. In addition to its professional doctor of medicine program, the Medical School offers master's and doctoral degrees in the basic medical sciences. The school established the nation's first university-owned and -operated teaching hospital and created the first departments of pharmacology and human genetics in the United States. It also played an important role in the development of the electrocardiogram and in the development of iodized salt as a goiter preventive. The Medical School was among the first major American medical schools to graduate women and African Americans; today there are more practicing M.D.s from the University of Michigan than from any other medical school in the United States.

Law School

Founded in 1859, the Law School awarded its first bachelor of laws degrees in 1860. In 1870, the school became the second in the nation to confer a law degree on an African American candidate and the first major law school to admit a woman. In 1871, one of the school's graduates became the first woman with a law degree to be admitted to the bar. A national law school from its earliest years, the school's graduates work in every state of the union and in more than 73 countries, in business, as practitioners and professors, as legislators and members of Congress, and as distinguished civil servants and members of the judiciary.

School of Dentistry

Established in 1875, the School of Dentistry first granted the professional degree, doctor of dental surgery, the following year. A national leader in the training of professional dentists and long active in oral and craniofacial research, the school offers the doctor of dental surgery, master's degrees, and graduate clinical programs in several dental specialties and general dentistry. A doctoral degree is offered in oral health sciences and in an interdepartmental program in biomaterials. The School of Dentistry also offers baccalaureate and master's programs in dental hygiene.

College of Pharmacy

Established as a department in 1868, Pharmacy became a college in 1876, the first in any university in the United States. Today, the college has an average annual enrollment of 260 doctor of pharmacy and 70 graduate students, and is consistently ranked among the top pharmacy schools in the nation. The college offers the doctor of pharmacy degree; baccalaureate programs in medicinal chemistry and pharmaceutical sciences; and doctor of philosophy programs in medicinal chemistry, pharmaceutical sciences, and social and administrative sciences. Major areas of research include the biological, chemical, clinical, genomic, economic, and social aspects of drugs and therapeutic agents.

College of Engineering

Instruction began with a class in civil engineering in 1854. Historically, the College of Engineering has been a leader in establishing departments in emerging fields, including metallurgical engineering, naval architecture and marine engineering, electrical engineering, chemical engineering, aeronautical engineering, nuclear engineering, and computer engineering. Today, the college and its 60,000 alumni provide leadership in various technologies, healthcare, business, and the sciences, improving the quality of people's lives around the world.

Horace H. Rackham School of Graduate Studies

The Horace H. Rackham School of Graduate Studies oversees and coordinates graduate education, bringing together graduate students and faculty from across the institution to experience and take full advantage of the University as a scholarly community. The University awarded its first master of arts degree in 1849, first master of science degree in 1859, and first doctor of philosophy degree in 1876. Organized as a department in 1892, the School of Graduate Studies became an autonomous unit in 1913. In 1935, a generous gift from Horace H. and Mary A. Rackham included the site and construction of the Rackham Building for graduate studies and a substantial endowment for carrying on graduate work and research.

A. Alfred Taubman College of Architecture and Urban Planning

Michigan offered its first courses in architecture in 1876. The program became a department in 1913, and by 1931, the College of Architecture was established as a separate entity. During the 1940s, the college was one of the few schools in the country to consider research a necessary part of architectural education, and in 1946 it became the first to introduce a graduate program in urban planning. The college offers master of architecture, master of urban planning, and master of urban design degrees; bachelor of science and master of science degrees in architecture; and doctoral programs in architecture and in urban and regional planning. In 1999, the college was named in honor of A. Alfred Taubman, founder and chairman of The Taubman Company, Inc., and a longtime friend, supporter, and adviser to the college.

School of Education

The School of Education was founded in 1921, 42 years after the University established the first chair in any United States collegiate institution devoted to the "science and art of teaching." The school prepares students for professional careers in teaching and administration, and offers advanced training for researchers and practitioners at all levels of education. Teacher diplomas were first offered in 1874; the first master's degree in education was conferred in 1891, the first Ph.D. in 1902, and the first Ed.D. in 1938.

Stephen M. Ross School of Business

Building on faculty and course offerings that began in the latter part of the 19th century, the school was formally established in 1924. Today, at all levels of instruction—bachelor's, master's, doctoral, and executive education—its programs rank in the top five among American institutions. Each year nearly 1,000 new School of Business graduates enter careers as business professionals and teacher-scholars, joining the approximately 37,000 who already serve in leadership positions in business, government, and academic institutions throughout the world.

School for Environment and Sustainability

The clear-cutting of Michigan's densely forested wilderness was well under way when the University of Michigan began offering courses in forestry in 1881—the first university in the United States to do so. The year 1903 saw the creation of a Department of Forestry, forerunner of today's School for Environment and Sustainability (SEAS). The school's students and faculty organized the famous 1970 Teach-In on the Environment (the prototype of Earth Day), and incubated the scholarly disciplines of Environmental Justice, Environmental Education, and Environmental Informatics. From its inception as a forestry school to the interdisciplinary institution it is today, SEAS has always prepared leaders to understand and solve the major environmental challenges of the era.

School of Music, Theatre & Dance

Consistently ranked among the top performing arts schools in the nation, and one of the oldest, the School of Music, Theatre & Dance is committed to creating an environment of educational and artistic excellence, nurturing creativity, academic integrity, and professionalism in its students and faculty. With degrees offered at the bachelor's, master's, and doctoral levels, the School is deeply engaged in the creation, practice, scholarship, and pedagogy of music, theatre, and dance. It fosters a spirit of social responsibility and principled entrepreneurship, and serves the community and state of Michigan through public performances, cultural resources, arts education, and outreach programs.

School of Nursing

The University of Michigan School of Nursing (UMSN) is an international leader in the advancement of nursing knowledge and strategies to improve health care. In addition to the four-year BSN program and the second career in nursing program, UMSN has a robust offering of graduate programs. Students are prepared to be leaders in advanced clinical practice through our M.S.N. and post-baccalaureate Doctorate of Nursing Practice (DNP) programs. Students can also lead and effect change through the M.S.N. or post-masters DNP programs in systems, populations and leadership. UMSN's prestigious Ph.D. and postdoctoral programs prepare nurse scientists to develop the knowledge necessary to support and advance nursing practice.

School of Public Health

Founded in 1941 and ranked among the country's top public health schools, the University of Michigan School of Public Health educates more than 1,000 graduate and undergraduate students each year. With over 170 faculty and researchers across six departments and numerous collaborative centers and institutes, the school brings interdisciplinary, innovative solutions to complex health challenges, including chronic and infectious diseases, obesity and food insecurity, health care quality and cost, climate change and environmental factors, and socioeconomic inequalities and their impact on health. Compassion, innovation, and inclusion drive the faculty, staff, students, and 15,000 alumni of Michigan Public Health to pursue positive change and lasting impact on the health of the world.

School of Social Work

The program in social work began in 1921, and was granted the status of a school in 1951. Faculty maintain high research productivity while teaching an innovative curriculum. At the master's level, the school prepares professional practitioners for work with individuals, children and their families, the aged, organizations, and communities. Students may focus their studies in the fields of substance abuse, mental health, education, child welfare, program evaluation, and public policy. The joint doctoral program in social work and social science is one of a kind and prepares students for academic and research careers. Graduates of both programs are found in leadership positions around the world. The School of Social Work consistently ranks as one of the best in the nation.

School of Information

A formal program began in 1926, when the Department of Library Science was created in the College of Literature, Science, and the Arts. In 1948, offerings became entirely graduate and a doctoral program was inaugurated. Establishment of an independent school, committed to the interdisciplinary study of information and library principles, came in 1969. In response to the rapid change brought on by present technology, the school broadened significantly further in the 1990s. It now pursues a highly interdisciplinary approach to educate professionals who will serve as leaders in the information age. Recognizing this broader mission, the school was renamed the School of Information in 1996.

Penny W. Stamps School of Art & Design

The Penny W. Stamps School of Art & Design traces its history at the University to visual arts education in the late 19th century, awarding its first degree in 1960, and becoming a University of Michigan school in 1974. In 2002, the school launched a unique curriculum that prompted the National Association of Schools of Art and Design to report, "The School of Art & Design and the University of Michigan have created an opportunity to lead the academic conversation in art and design in this country." The school prepares graduates for a broad range of creative professions through its undergraduate and graduate programs. Commitment to the integration of art and design, community engagement, international experience, connections to the academic resources of the University, interdisciplinary pursuit, and public presentation of creative work are required of all majors.

School of Kinesiology

Kinesiology has been part of the University of Michigan curriculum since the turn of the 20th century and joined the ranks for the schools and colleges as an independent unit in 1984. Concentrations have the common thread of human movement and span a wide range including movement science, physical education, sport management, and athletic training. Kinesiology prepares undergraduates for careers as diverse as medicine and physical therapy to athletic administration, marketing, and law. Master's and doctoral students expand their opportunities in higher education, research, health care, public health or medicine, business, and law.

Gerald R. Ford School of Public Policy

The School of Public Policy prepares graduates for distinguished careers in policy analysis and management, and promotes improved public policy through research. Its curriculum combines rigorous grounding in contemporary social science, opportunities to develop expertise in a variety of policy domains, and practical experience. Graduates work in government and the private and nonprofit sectors, using their knowledge, judgment, and new ideas to solve social problems, both domestic and international. The school traces its history to the Institute of Public Administration, established in 1914 as one of the first programs in municipal administration in the United States. In 1999, the regents approved the naming of the school in honor of Gerald R. Ford, the 38th President of the United States and a 1935 graduate of the University.

CANDIDATES FOR DEGREES AND CERTIFICATES

The following is a list of the candidates for degrees to be granted upon completion of formal requirements. Candidates are recommended jointly by the school faculty and the Executive Board of the Graduate School, and are listed alphabetically by degree, and in some cases also by field of specialization, under the school or college which awards the degree. The listing begins with doctoral degrees and then in order of founding of the schools and colleges.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Founded in 1912, Michael J. Solomon, Interim Dean and Vice Provost for Academic Affairs–Graduate Studies

Candidates for degrees granted April 27, 2018

Doctor of Musical Arts

Angel Elizondo Garza, Field of Specialization: Music Performance. Dissertation: Three Dissertation Recitals of Euphonium and Tuba Music.

Thomas Palomares Gamboa, Field of Specialization: Conducting (Band). Dissertation: Wind Music from the Renaissance to the Present: A Summary of Dissertation Recitals.

Shuying Li, Field of Specialization: Music Composition. Dissertation: Out Came the Sun.

Stephen Joseph Meyer, Field of Specialization: Conducting (Band). Dissertation: Reduce, Reuse, and Recycle: A Summary of Dissertation Recitals.

Doctor of Philosophy

Jacob F. Adams, Field of Specialization: Materials Science and Engineering. Dissertation: Investigating Microstructural Effects on Short Crack Growth and Fatigue Life Behavior of WE43 Magnesium.

Shaizeen Dilawarhusen Aga, Field of Specialization: Computer Science and Engineering. Dissertation: Near Data Processing for Efficient and Trusted Systems.

Mahdi Aghadjani, Field of Specialization: Electrical Engineering. Dissertation: Spoof Surface Plasmon Polariton Based THz Circuitry.

Saeed Al Alaslaa, Field of Specialization: Near Eastern Studies. Dissertation: A Sociolinguistic Study of Code Choice among Saudis on Twitter.

Ali Ahmed Al Midhwah, Field of Specialization: Near Eastern Studies. Dissertation: The Role of Diacritics in Word Recognition and their Impact on Arabic L2 Learners' Reading Speed, Accuracy, and Comprehension at Different Stages of Arabic L2 Acquisition.

Shahaboddin Alahyari Beig, Field of Specialization: Mechanical Engineering. Dissertation: A Computational Study of the Inertial Collapse of Gas Bubbles Near a Rigid Surface.

Amina Halim-Rahm Allen, Field of Specialization: Educational Studies. Dissertation: Learning to Work in Fundamentally New Ways: Understanding Dynamics Among Social and Formal Supports for Practice.

Elissa S. Allen, Field of Specialization: Nursing. Dissertation: Navigating the System: Adolescent Women and High School Bathrooms.

Julie Ober Allen, Field of Specialization: Health Behavior And Health Education. Dissertation: Coping and Psychological and Physiological Distress among Black and White Men in the U.S.

Steven Goble Allen, Field of Specialization: Cellular and Molecular Biology. Dissertation: Understanding Mechanisms of Metastasis of Aggressive Breast Cancers via Microfluidic Means.

Christian Samuel Alvarez Privado, Field of Specialization: Epidemiological Science. Dissertation: Current and Future Perspectives of Prostate Cancer in Thailand.

Dolan Enrico Antenucci, Field of Specialization: Computer Science and Engineering. Dissertation: Maximizing Insight from Modern Economic Analysis.

Maryam Arbabzadeh, Field of Specialization: Natural Resources and Environment. Dissertation: Green Principles, Parametric Analysis, and Optimization for Guiding Environmental and Economic Performance of Grid-scale Energy Storage Systems.

Abdulrahman Walid Aref, Field of Specialization: Biomedical Engineering. Dissertation: Improving Brain-Computer Interface Performance By Using Dynamic Methods Based on Analysis of Cognitive State.

Nattapol Arunrattanamook, Field of Specialization: Chemical Engineering. Dissertation: Mechanistic Investigations of a Novel Flavin-dependent Enzyme Involved in Styrene Biosynthesis.

Tian Bao, Field of Specialization: Mechanical Engineering. Dissertation: Vibrotactile Sensory Augmentation and Machine Learning Based Approaches for Balance Rehabilitation.

Cesar Luis Barraza Botet, Field of Specialization: Mechanical Engineering. Dissertation: Combustion Chemistry and Physics of Ethanol Blends to Inform Biofuel Policy.

Lauren Joann Beesley, Field of Specialization: Biostatistics. Dissertation: Missing Data and Variable Selection Methods for Cure Models in Cancer Research.

Sarah N. Bell, Field of Specialization: Psychology and Women's Studies. Dissertation: What Happens in a Hook Up?: Young Women's Behaviors, Emotions, and Pleasures.

Jordan Brian Bemmels, Field of Specialization: Ecology and Evolutionary Biology. Dissertation: Species Range Shifts in Dynamic Geological and Climatic Landscapes: Studies in Temperate and Tropical Trees.

Tabitha Crystal Bentley, Field of Specialization: Educational Studies. Dissertation: The Color of Commitment: Social Change, the Development of Collective Commitment toward Collective Action, and the Negotiation of Race.

J. Berona, Field of Specialization: Psychology. Dissertation: Emotion Regulation and Self-Harm among Sexual and Gender Minority Youth.

Meredith Savary Billings, Field of Specialization: Higher Education. Dissertation: Free College For All: The Impact Of Promise Programs On College Access And Success.

Amy Lynne Bondy, Field of Specialization: Chemistry. Dissertation: Single Particle Microscopic and Spectroscopic Chemical Analysis of Primary and Secondary Aerosols.

James Roderick Bour, Field of Specialization: Chemistry. Dissertation: Accessibility, Reactivity, and Fluoroalkylation Reactions of High-Oxidation-State Organonickel Complexes.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

Julia Tofalo Bourg, Field of Specialization: Biophysics. Dissertation: Investigation of Membrane Order Within Integrin-Mediated Adhesion.

Erik Brinkman, Field of Specialization: Computer Science and Engineering. Dissertation: Understanding Financial Market Behavior through Empirical Game-Theoretic Analysis.

Andrew Robert Burton, Field of Specialization: Civil Engineering. Dissertation: System Integration of Flexible and Multifunctional Thin Film Sensors for Structural Health Monitoring.

Ryan James Caverly, Field of Specialization: Aerospace Engineering. Dissertation: Optimal Output Modification and Robust Control Using Minimum Gain and the Large Gain Theorem.

Kyoung Ha Cha, Field of Specialization: Chemistry. Dissertation: Advances in Glucose Sensing Techniques: Novel Non-Invasive and Continuous Electrochemical Glucose Monitoring Systems.

Yan Chang, Field of Specialization: Mechanical Engineering. Dissertation: Fuel Reforming for High Efficiency and Dilution Limit Extension of Spark-ignited Engines.

Anthony Mazzaglia Charles, Field of Specialization: Physics. Dissertation: Explorations of Non-Supersymmetric Black Holes in Supergravity.

Junjie Chen, Field of Specialization: Chemistry. Dissertation: Aggregation and Dendrimer Mediated Secondary Binding towards Folate Binding Protein & Fatigue Failure Mechanism of Anterior Cruciate Ligament Fracture.

Minghui Chen, Field of Specialization: Nuclear Engineering and Radiological Sciences. Dissertation: Performance Testing and Modeling of Printed Circuit Heat Exchangers for Advanced Nuclear Reactor Applications.

Sophie Chen, Field of Specialization: Biostatistics. Dissertation: Semiparametric Latent Variable Models for Chronic Diseases with Responses of Multiple Types and Scales.

Xi Chen, Field of Specialization: Applied Physics. Dissertation: Plasmonic Waveguide Lithography for Patterning Nanostructures with High Aspect-Ratio and Large-Area Uniformity.

Xi Chen, Field of Specialization: Molecular and Integrative Physiology. Dissertation: The Role of Sorcin in Excitation-Contraction Coupling in Normal and Diseased Hearts.

Kyong Tak Cho, Field of Specialization: Computer Science and Engineering. Dissertation: From Attack to Defense: Toward Secure In-vehicle Networks.

Yay-hyung Cho, Field of Specialization: Psychology. Dissertation: Understanding Patterns of Emotion Perception and Expression Across Cultures.

Byungjoo Choi, Field of Specialization: Civil Engineering. Dissertation: The Role of Socio-Cognitive Process in Construction Workers' Safety Behaviors.

Myungjoon Choi, Field of Specialization: Electrical Engineering. Dissertation: Ultra Low Power Circuits for Internet of Things and Deep Learning Accelerator Design with In-Memory Computing.

Tony Chun, Field of Specialization: Bioinformatics. Dissertation: Development and Application of Next-Generation Sequencing Methods to Profile Cellular Translational Dynamics.

Jooho Chung, Field of Specialization: Cellular and Molecular Biology. Dissertation: Cellular and Molecular Analysis of Notch Signaling in T Cells after Allogeneic Bone Marrow Transplantation.

Shannon Lee Cole, Field of Specialization: Psychology. Dissertation: Mechanisms of Motivation in the Nucleus Accumbens.

Kathryn Béne Cox, Field of Specialization: Music: Musicology. Dissertation: "What Happened to the Post-War Dream?": Nostalgia, Trauma, and Affect in British Rock of the 1960s and 1970s.

Rebecca L. Craig, Field of Specialization: Chemistry. Dissertation: Applications of Raman Microspectroscopy to the Study of Atmospheric Aerosol Particles.

Juan Crespo, Field of Specialization: Atmospheric, Oceanic and Space Sciences. Dissertation: Exploring New Satellite Technology for Extratropical Cyclone and Surface Heat Flux Analysis.

Katherine C. Crocker, Field of Specialization: Ecology and Evolutionary Biology. Dissertation: The Past Is Never Dead, It Isn't Even Past: Maternal Environment Affects Multiple Generations of Offspring via Hormone Provisioning.

Martha Curren-Preis, Field of Specialization: Educational Studies. Dissertation: Creating and Using the Persona in Teaching: Challenges of Connection and Control.

Oguz Hasan Dagci, Field of Specialization: Electrical Engineering-Systems. Dissertation: Hybrid Electric Powertrain Design and Control with Planetary Gear Sets for Performance and Fuel Economy.

Eric Wesley Dahl, Field of Specialization: Chemistry. Dissertation: Applications of Sterically Protected Hydrogen Bond Donors in the Secondary Coordination Sphere.

Joshua Thomas Damron, Field of Specialization: Chemistry. Dissertation: Insights into Crystalline and Material Solids from Ultrafast Magic Angle Spinning NMR Spectroscopy.

Ming Dang, Field of Specialization: Macromolecular Science and Engineering. Dissertation: Biomimetic Approaches for Bone Tissue Engineering.

Anup Das, Field of Specialization: Health Service Organization and Policy. Dissertation: Three Essays in Health Care.

Michael Deininger, Field of Specialization: Design Science. Dissertation: Informing Intentional Use of Prototyping in Engineering Design: Context-Specific Novice Approaches and Stakeholder Feedback.

Joshua James DeMuth, Field of Specialization: Chemistry. Dissertation: Low Temperature Electrodeposition of Epitaxial Films of Covalent Semiconductors.

David Andrew Devecsery, Field of Specialization: Computer Science and Engineering. Dissertation: Enabling Program Analysis Through Deterministic Replay and Optimistic Hybrid Analysis.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

Sai Hurrish Dharmarajan, Field of Specialization: Biostatistics. Dissertation: Methods for Clustered Competing Risks Data and Causal Inference using Instrumental Variables for Censored Time-to-event Data.

Kaihua Ding, Field of Specialization: Aerospace Engineering. Dissertation: Efficient Output-Based Adaptation Mechanics for High-Order Computational Fluid Dynamics Methods.

Christopher Donnelly, Field of Specialization: Oral Health Sciences. Dissertation: Neurotrophic Factor Signaling Mechanisms Underlying the Development of Peripheral Neural Circuits.

Elizabeth Frances Cloos Dreyer, Field of Specialization: Electrical Engineering. Dissertation: Dependence of Radiant Optical Magnetization on Material Composition.

Jordan Elizabeth Easter, Field of Specialization: Mechanical Engineering. Dissertation: Influence of Fuel Introduction Parameters on the Reactivity and Oxidation Process of Soot from a Gasoline Direct Injection Engine.

Margaret Elizabeth Echelbarger, Field of Specialization: Psychology. Dissertation: The Influence of Variety and Scarcity on Children's Decision Making.

Reginald Everett Edwards, Field of Specialization: Business Administration. Dissertation: Accounting Policy Similarity and Active vs. Passive Institutional Investors.

Ridvan Eksi, Field of Specialization: Bioinformatics. Dissertation: Identification and Functional Annotation of Alternatively Spliced Isoforms.

Joseph Jameel El Adli, Field of Specialization: Earth and Environmental Sciences. Dissertation: Reproductive Life Histories of Mammoths.

Elizabeth Jane Ela, Field of Specialization: Sociology. Dissertation: "I Should Be Pregnant So Many Times By Now": Risk Perception, Numeracy, and Young Women's Contraceptive Use.

Meagan Michelle Elliott, Field of Specialization: Sociology. Dissertation: Imagined Boundaries: Discordant Narratives of Place and Displacement in Contemporary Detroit.

Margo P. Emont, Field of Specialization: Molecular and Integrative Physiology. Dissertation: Subcutaneous Fat: Thermogenesis and Metabolic Benefits.

Samuel Logan Esarey, Field of Specialization: Chemistry. Dissertation: Probing the Chemical Stability & Adsorption Properties of MoleculelMetal Oxide Architectures under Conditions of Photoelectrochemical Water Oxidation.

Wenjia Fan, Field of Specialization: Environmental Engineering. Dissertation: The Influence of Water-Rock Interaction on Trace Element Mobilization during Shale Gas Production.

Kelly Feng, Field of Specialization: Molecular, Cellular and Developmental Biology. Dissertation: Post-Translational Regulation of Autophagy in Saccharomyces Cerevisiae.

Kyle Louis Ferguson, Field of Specialization: Chemistry. Dissertation: A New Decarboxylase: A Mechanistic Characterization of PrFMN Decarboxylase FDC1.

Robert Fick, Field of Specialization: Biological Chemistry. Dissertation: Characterization of Methyltransferase Carbon-Oxygen Hydrogen Bonding and Sulfur-Oxygen Chalcogen Bonding with the Sulfonium of S-adenosyl-L-methionine.

Romain Fiévet, Field of Specialization: Aerospace Engineering. Dissertation: Impact of Vibrational Nonequilibrium on the Simulation and Modeling of Dual-Mode Scramjets.

Catherine Finegan-Dollak, Field of Specialization: Computer Science and Engineering. Dissertation: Selecting and Generating Computational Meaning Representations for Short Texts.

Katherine Grace Finn, Field of Specialization: Nursing. Dissertation: Pediatric Survivors of Severe Malaria: Academic Performance Following a Cognitive Intervention in Uganda.

Erik Fischer, Field of Specialization: Climate and Space Sciences and Engineering. Dissertation: Experimental Study of the Formation of Liquid Saline Water on Mars.

Margaret Brooks Fish, Field of Specialization: Chemical Engineering. Dissertation: Optimizing the Physical Properties of Vascular Targeted Carriers for Maximum Efficacy in Inflammatory Disease.

James Sidney Fishelson, Field of Specialization: Urban and Regional Planning. Dissertation: Planning for a Shared Automated Transportation Future.

Miranda Suzanne Fitzgerald, Field of Specialization: Educational Studies. Dissertation: Texts and Tasks in Elementary Project-Based Science.

Kerry Susan Flannagan, Field of Specialization: Epidemiological Science. Dissertation: Polyunsaturated Fatty Acids and Early-Life Cardiometabolic Disease Risk.

Edward Gellis Fox, Field of Specialization: Economics. Dissertation: Three Essays on the Law and Economics of Taxation and Finance.

Alexandra Elizabeth Fraser, Field of Specialization: History of Art. Dissertation: Art, Decoration, and the Texture of Modern Experience: The Interior Before 1900.

Andrew Michael Freddo, Field of Specialization: Cell and Developmental Biology. Dissertation: New Perspectives on Intestinal Morphogenesis: The Role of Cell Division and Intraepithelial Forces in Villus Formation.

Jocelyn Ann Frelier, Field of Specialization: Romance Languages and Literatures French. Dissertation: Family Time: The Bonds and Bondage of Transnational Francophone Kinship.

Gabriel M. Frieden, Field of Specialization: Mathematics. Dissertation: Geometric Lifting of Affine Type A Crystal Combinatorics.

Kevin John Fries, Field of Specialization: Civil Engineering. Dissertation: Fusing Large Datasets and Models to Improve Understanding of Hydrologic and Hydraulic Processes.

Rebecca Gadd, Field of Specialization: Educational Studies. Dissertation: Developing Novices' Professional Scripts for Teaching: An Investigation of Teacher Education Practice.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

Jennifer Erin Gear, Field of Specialization: History of Art. Dissertation: Visualizing the 1630-31 Plague Epidemic in Early Modern Venice and the Veneto.

Benjamin Bartholomew Gebarski, Field of Specialization: Earth and Environmental Sciences. Dissertation: The Electronic and Atomic Structure of Actinide Contaminants at the Mineral-Fluid Interface.

Jacob Benjamin Geri, Field of Specialization: Chemistry. Dissertation: Bond Activation by Unconventional Lewis Pairs.

Michael M. Gilbert, Field of Specialization: Chemistry. Dissertation: Development of Biocatalytic Strategies for the Directed Oxidation of Small Molecule and Macrocyclic Substrates.

Morgan Belinda Giles, Field of Specialization: Pharmaceutical Sciences. Dissertation: Aqueous Remote Loading of Peptides in PLGA Microspheres.

Robert Thomas Goeddel, Field of Specialization: Computer Science and Engineering. Dissertation: Policy-Based Planning for Robust Robot Navigation.

Kevin David Goodman, Field of Specialization: Psychology and Women's Studies. Dissertation: Profiling Institutional Estrangement: Contours and Consequences of Gendered Mistreatment in College.

Chetna Gopinath, Field of Specialization: Cellular and Molecular Biology. Dissertation: Pairing your SOX: The Role of HMG-Domain Transcription Factors in Peripheral Nerve Myelination.

James Warren Gose, Field of Specialization: Naval Architecture and Marine Engineering. Dissertation: Experimental Characterization of Skin-Friction Drag Reduction on Superhydrophobic Surfaces in High-Reynolds Number Flows.

John Anthony Greco, Field of Specialization: Neuroscience. Dissertation: Alterations of Fear-Associated Learning in Mild Traumatic Brain Injury.

Brian Greeley, Field of Specialization: Kinesiology and Psychology. Dissertation: Cognitive Contributions to Motor Learning.

Laurie Beth Griffin, Field of Specialization: Cellular and Molecular Biology. Dissertation: Expansion of the Allelic, Locus, and Clinical Heterogeneity of Aminoacyl-tRNA Synthetase-Associated Diseases Implicates Impaired Enzyme Function as the Pathogenic Mechanism.

Brady Lyford G'Sell, Field of Specialization: Anthropology and History. Dissertation: Making Motherhood Work: Women's Child Support Claims, Race, and the Remaking of Citizenship in South Africa, 1958-2015.

Ye Guan, Field of Specialization: Chemistry. Dissertation: A Robust and Tunable Mitotic Oscillator in Artificial Cells.

Teal Guidici, Field of Specialization: Statistics. Dissertation: Methods for Utilizing Co-expression Networks for Biological Insight.

Chenghuan Guo, Field of Specialization: Earth and Environmental Sciences. Dissertation: Multicomponent Diffusion in Basaltic Melts.

Wen Guo, Field of Specialization: Physics. Dissertation: Search for New Resonances and Dark Matter Particles with BSM Higgs Boson Productions at the LHC.

Heidi M. Guyer, Field of Specialization: Epidemiological Science. Dissertation: Chronic Sleep Disturbances, Type II Diabetes and Dietary Intake; an Assessment of Gender-Based Differences.

Ada Kendra Hagan, Field of Specialization: Microbiology and Immunology. Dissertation: Inside or Out: Characterizing petrobactin use by Bacillus anthracis.

Scott J. Hall, Field of Specialization: Aerospace Engineering. Dissertation: Characterization of a 100-kW Class Nested-Channel Hall Thruster.

Michael Paul Hall, Field of Specialization: Psychology. Dissertation: Living Congenially: Contextual, Relational, and Metacognitive Facilitators of Agreeable Political Information Environments.

Kristi L. Hanby, Field of Specialization: Educational Studies. Dissertation: Teachers' Formative Assessment Practices for Early Addition and Subtraction: Is Teachers' Awareness of a Learning Trajectory Related to How They Respond to Students?.

Eric Scott Harper, Field of Specialization: Materials Science and Engineering. Dissertation: Entropic Bonding in Nanoparticle and Colloidal Systems.

Anna Michelle Harrison, Field of Specialization: Natural Resources and Environment. Dissertation: Investigations into the Hyporheic Zone: Assessing the Influence of Groundwater-Surface Water Interactions on Metal Exposure and Effects to Aquatic Ecosystems.

Zachary Mathias Harvanek, Field of Specialization: Molecular and Integrative Physiology. Dissertation: Sexual Deprivation, Emotion, and Longevity: Neuropeptidergic Regulation of Aging in Drosophila.

Meredith Anne Henstridge, Field of Specialization: Applied Physics. Dissertation: Manipulating Light with Metamaterials: Synchrotron Radiation from an Accelerating Light Pulse and On-Chip Devices.

Johanna Lucia Heureaux-Torres, Field of Specialization: Mechanical Engineering. Dissertation: Bacterial Mechanosensitive Channel of Large Conductance (MscL) in Mammalian Cells for Novel Mechanobiology Applications.

Parker Howard Hill, Field of Specialization: Computer Science and Engineering. Dissertation: Bridging the Scalability Gap by Exploiting Error Tolerance for Emerging Applications.

Tyler Alexander Hill, Field of Specialization: Physics. Dissertation: Spontaneous Emission in Systems of Reduced Dimension.

Kenneth Kwun Yin Ho, Field of Specialization: Mechanical Engineering. Dissertation: Progressing Mechanobiology from a Simplified to a More Complex System: Development of Novel Platforms and Investigation of Actin Cytoskeletal Remodeling.

Caitlin Holman, Field of Specialization: Information. Dissertation: Building a Better Game: A Theory of Gameful Learning & the Construction of Student Personas with Agency.

Adeline Hong, Field of Specialization: Biomedical Engineering. Dissertation: Development and Applications of Advanced Ultrasound Techniques for Characterization and Stimulation of Engineered Tissues.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

Sarah Becker Hortsch, Field of Specialization: Nursing. Dissertation: The Female Overactive Bladder in our Beverage-Centered Society: An Evolutionary Perspective.

Youyang Hou, Field of Specialization: Information. Dissertation: Understanding the Design and Implementation of Civic Technologies in Resource-Limited Public Organizations.

Chang-Hong Hsu, Field of Specialization: Computer Science and Engineering. Dissertation: Towards Power- and Energy-Efficient Datacenters.

Mengyao Hu, Field of Specialization: Survey Methodology. Dissertation: Anchoring Vignettes for Health Comparisons: The Validity of a Multidimensional IRT Model Approach and Design Improvements Using Visual Vignettes.

Robin Lenore Hunt, Field of Specialization: Aerospace Engineering. Dissertation: Shock Train Structure and Dynamics.

Kyle Jeffrey Huston, Field of Specialization: Chemical Engineering. Dissertation: Linking the Continuum and Molecular Scales of Adsorption Modeling for Non-Ionic Small Molecules and Homopolymers.

Elizabeth Bachrach Hutton, Field of Specialization: English and Education. Dissertation: Textual Transactions: Recontextualizing Louise Rosenblatt's Transactional Theory for the College Writing Classroom.

HyeJin Hwang, Field of Specialization: Educational Studies. Dissertation: Do Knowledge and Motivation Matter? The Role of General Knowledge and Reading Motivation in Reading Achievement in the Elementary Years.

Kevin M. Ileka, Field of Specialization: Chemistry. Dissertation: Structural Characterization of Ribonucleic Acids and Their Complexes by Negative-ion Mode Mass Spectrometry.

Paul Michael Imbriano, Field of Specialization: Biostatistics. Dissertation: Methods for Improving Efficiency of Planned Missing Data Designs.

Mangala Iyengar, Field of Specialization: Cellular and Molecular Biology. Dissertation: The Role of NFAT3 in Ovarian Cancer Quiescence and Chemotherapy Resistance.

Heejin Jeong, Field of Specialization: Industrial and Operations Engineering. Dissertation: Computational Modeling and Experimental Research on Touchscreen Gestures, Audio/Speech Interaction, and Driving.

Yuchen Jiang, Field of Specialization: Industrial and Operations Engineering and Scientific Computing. Dissertation: Supply Chain and Revenue Management for Online Retailing.

Rungroj Jintamethasawat, Field of Specialization: Biomedical Engineering. Dissertation: Limited Angle Ultrasound Tomography of the Compressed Breast.

Rosanne Jocson, Field of Specialization: Psychology. Dissertation: Risk and Protective Factors Among Low-Income Urban Mothers and Fathers in the Philippines.

Blake C. Johnson, Field of Specialization: Atmospheric, Oceanic and Space Sciences. Dissertation: Mars' Energetic Plume Ion Escape Channel.

Collin Eugene Johnson, Field of Specialization: Computer Science and Engineering. Dissertation: Topological Mapping and Navigation in Real-World Environments.

Traci Lin Johnson, Field of Specialization: Astronomy and Astrophysics. Dissertation: Focusing Cosmic Telescopes: Quantifying the Systematics of Strong Lensing Mass Models in the Era of Precision Lensing.

Jaehun Jung, Field of Specialization: Macromolecular Science and Engineering. Dissertation: Enhancing Room Temperature Phosphorescence from Organic Molecules by Internal Heavy Atom Effect and External Agents.

Kian Kamgar-Parsi, Field of Specialization: Applied Physics. Dissertation: Amyloid Aggregation Behavior of Human Calcitonin.

Takuya Kaneko, Field of Specialization: Cell and Developmental Biology. Dissertation: Neuronal Activity-Dependent Development of the Nociceptive Circuit in Drosophila.

Dong Ik Kang, Field of Specialization: Economics. Dissertation: Three Essays on the Macroeconomic Consequences of Prices.

Chelsea Marie Kaplan, Field of Specialization: Neuroscience. Dissertation: An Examination of Brain Network Organization and the Analgesic Mechanisms of a Non-Pharmacological Treatment in Chronic Centralized Pain.

Mani Kashanianfard, Field of Specialization: Electrical Engineering. Dissertation: Low-frequency Antennas, Transparent Ground Planes, and Transponders for Communication Enhancement in Unfavorable Environments.

Harry Eli Kashdan, Field of Specialization: Comparative Literature. Dissertation: Eating Elsewhere: Food and Migration in the Contemporary Mediterranean.

Bradley Austin Keller, Field of Specialization: Macromolecular Science and Engineering. Dissertation: From Small Molecules to Polymers: Linear and Nonlinear Optical Properties of Organic Conjugated Systems for Solar Applications.

Kortney M. Kersten, Field of Specialization: Chemistry. Dissertation: Pharmaceutical Hydrates: Prevalence, Properties and Progress.

Minjung Kho, Field of Specialization: Epidemiological Science. Dissertation: Sodium and Potassium Intake in Multiethnic Populations: Associations with Genes and Blood Pressure.

Trevor John Kilgore, Field of Specialization: History. Dissertation: Occupying God's House: Catholics, Sacred Space, and the Religiosity of Postwar Italian Politics, 1954-1969.

Hyeongseok Kim, Field of Specialization: Electrical Engineering. Dissertation: Millimeter-scale RF Integrated Circuits and Antennas for Energy-efficient Wireless Sensor Nodes.

Eugene Sunmin Kim, Field of Specialization: Computer Science and Engineering. Dissertation: Holistic Management of Energy Storage System for Electric Vehicles.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

Jaymin Kim, Field of Specialization: History. Dissertation: Asymmetry and Elastic Sovereignty in the Qing Tributary World: Criminals and Refugees in Three Borderlands, 1630s-1840s.

Ujin Kim, Field of Specialization: Anthropology. Dissertation: Ethical Management of Speech among Kazak Nomads in the Chinese Altai.

Jeffrey Russell Koller, Field of Specialization: Mechanical Engineering. Dissertation: Adaptive Controllers for Assistive Robotic Devices.

Alicia Nicole Mullis Kraay, Field of Specialization: Epidemiological Science. Dissertation: Rotavirus Transmission in Rural, Coastal Ecuador.

Rui Kuai, Field of Specialization: Pharmaceutical Sciences. Dissertation: Synthetic High Density Lipoprotein Nanodiscs for Cancer Immunotherapy and Chemoimmunotherapy.

Ramya Kumar, Field of Specialization: Chemical Engineering. Dissertation: Directing Interfacial Events Using Biomimetic Polymer Brushes.

Ozan Kuru, Field of Specialization: Communication. Dissertation: Communicating Public Opinion in Post-Fact Politics: Biased Processing of Public Opinion Reports and Potential Journalistic Correctives.

Mara Michelle Kutter, Field of Specialization: Classical Studies. Dissertation: Emotion in Politics: Envy, Jealousy, and Rulership in Archaic and Classical Greece.

Christina M. LaRose, Field of Specialization: English and Women's Studies. Dissertation: Arab American Women's Poetry: Violence and Boundaries in the Levantine Diaspora.

Chang Heon Lee, Field of Specialization: Chemistry. Dissertation: Utilization of Nanoparticles for Photoacoustic Chemical Imaging.

Chansoo Lee, Field of Specialization: Computer Science and Engineering. Dissertation: Analysis of Perturbation Techniques in Online Learning.

Christopher Dean Lee, Field of Specialization: Educational Studies. Dissertation: Resistance in the Core: A Mixed Methods Investigation of Secondary Teachers' Collegial Learning Networks in the Context of Reform.

Kayoung Lee, Field of Specialization: Nursing. Dissertation: Risk Factors for Falls in Community-Dwelling Older Adults with Heart Failure.

Kyu Han Lee, Field of Specialization: Epidemiological Science. Dissertation: Influenza and the Respiratory Microbiome.

Melissa Lee, Field of Specialization: Chemistry. Dissertation: Remote C-H Functionalization of Aliphatic Amines.

Zida Li, Field of Specialization: Mechanical Engineering. Dissertation: Micro-Engineered Devices for Point-of-Care Blood Clot Retraction Testing.

Yang Li, Field of Specialization: Nursing. Dissertation: Applying Allostatic Load to Perinatal Outcomes Research.

Yumeng Li, Field of Specialization: Biostatistics. Dissertation: Dynamic Prediction of Acute Graft-versus-Host-Disease with Longitudinal Biomarkers.

Albert K. Liang, Field of Specialization: Biomedical Engineering. Dissertation: Investigation of the Performance of Photon Counting Arrays Based on Polycrystalline Silicon Thin-Film Transistors.

Xinran Liang, Field of Specialization: Mechanical Engineering. Dissertation: A General Approach to Electrical Vehicle Battery Remanufacturing System Design.

Cheng-Wei Lin, Field of Specialization: Near Eastern Studies. Dissertation: The Perception and Production of Arabic Lexical Stress by Learners of Arabic: A Usage-Based Account.

Jing-Ping Lin, Field of Specialization: Cell and Developmental Biology. Dissertation: From Scavenger to Metabolic Coordinator: Novel Roles of LRP1 in the CNS Myelin Development and Repair.

Lianli Liu, Field of Specialization: Electrical Engineering-Systems. Dissertation: Optimizing Magnetic Resonance Imaging for Image-Guided Radiotherapy.

Velma Kay Lopez, Field of Specialization: Epidemiological Science. Dissertation: Accounting for Human Behavior and Pathogen Transmission in the Sanitation Paradigm: Opportunities for Improving Child Health.

Daniel Allan Lorenz, Jr., Field of Specialization: Chemical Biology. Dissertation: Facilitating the Discovery of Chemical Tools for Manipulating pre-miRNA Structure-Function.

Katharine McCarey Loughney, Field of Specialization: Earth and Environmental Sciences. Dissertation: Paleoenvironments and Taphonomy of the Middle Miocene Barstow Formation, Mojave Desert, California.

Wen Ma, Field of Specialization: Electrical Engineering. Dissertation: Dynamic Memristors: from Devices to Applications.

Jialiu Ma, Field of Specialization: Chemistry. Dissertation: Rational Design and Activation of Microporous Coordination Polymers Towards Targeted Structures and Porosity.

Yiqin Ma, Field of Specialization: Molecular, Cellular and Developmental Biology. Dissertation: Chromatin Structure Changes During Terminal Differentiation and Cell Cycle Exit in Drosophila melanogaster.

Joseph Madak, Field of Specialization: Medicinal Chemistry. Dissertation: Design and Synthesis of Novel Dihydroorotate Dehydrogenase Inhibitors.

Viswambhara Makam, Field of Specialization: Mathematics. Dissertation: Invariant Theory, Tensors and Computational Complexity.

Paige Ann Malec, Field of Specialization: Chemistry. Dissertation: Derivatization Methods for Improved Metabolome Analysis by LC-MS/MS.

Jasmine Ann Manalel, Field of Specialization: Psychology. Dissertation: Social Networks over the Life Course: Continuity, Context and Consequences.

Grant W. Mandarino, Field of Specialization: History of Art. Dissertation: Seeing Class: Graphic Satire and the Cultivation of Radicalism in the Weimar Republic.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

Bharadwaj Ram Kumar Mantha, Field of Specialization: Civil Engineering. Dissertation: Navigation, Path Planning, and Task Allocation Framework For Mobile Co-Robotic Service Applications in Indoor Building Environments.

Benjamin Clark Marchi, Field of Specialization: Mechanical Engineering. Dissertation: Soft Tissue Constitutive Forms and Their Implications for Whole Knee Computational Models.

Meredith Baker Marcum, Field of Specialization: Education and Psychology. Dissertation: A Year-Long Study of Fourth Graders? Sense-Making with Modeling across Phenomena.

Christopher David Marley, Field of Specialization: Aerospace Engineering. Dissertation: Thermal Management in a Scramjet-Powered Hypersonic Cruise Vehicle.

Jessica Emily Marsack, Field of Specialization: Nursing. Dissertation: Stigma, Mental Health, and Dyadic Coping for Sexual Minority Persons in the United States.

Allison Joan Martino, Field of Specialization: History of Art. Dissertation: Stamping History: Stories of Social Change in Ghana's Adinkra Cloth.

Devon Scott McAslan, Field of Specialization: Urban and Regional Planning. Dissertation: Walking, Transit Use, and Urban Morphology in Walkable Urban Neighborhoods: An Examination of Behaviors and Attitudes in Seattle.

John Thomas McCrone IV, Field of Specialization: Microbiology and Immunology. Dissertation: Influenza Virus Evolution Within and Between Human Hosts.

Olivia Lauren McGovern, Field of Specialization: Microbiology and Immunology. Dissertation: Endocytic Trafficking in Toxoplasma Gondii.

Audra Mary McMillan, Field of Specialization: Mathematics. Dissertation: Differential Privacy, Property Testing, and Perturbations.

Kiel Michael McQueen, Field of Specialization: Educational Studies. Dissertation: Promoting Instructional Improvement: Promising Evidence of Coaching That Benefits Teachers' Practice.

Selin Merdan, Field of Specialization: Industrial and Operations Engineering. Dissertation: Optimization and Machine Learning Methods for Diagnostic Testing of Prostate Cancer.

Kyle Meyer, Field of Specialization: Earth and Environmental Sciences. Dissertation: Novel Paleoclimate and Paleoenvironmental Applications of Stable and Radiogenic Isotope and Elemental Geochemistry from the Holocene through the Cretaceous.

Erik Jonathan Miehling, Field of Specialization: Electrical Engineering-Systems. Dissertation: Reasoning Under Uncertainty in Cyber-Physical Systems: Toward Efficient and Secure Operation.

Christopher John Miles, Field of Specialization: Physics. Dissertation: Optimal Control of the Advection-Diffusion Equation for Effective Fluid Mixing.

Mainak Mitra, Field of Specialization: Mechanical Engineering. Dissertation: Modeling and Analysis of Nonlinear Damping and Mistuning Mechanisms in Rotating Systems.

Anthony Manuel Monterrosa, Field of Specialization: Nuclear Engineering and Radiological Sciences. Dissertation: The Role of Pre-Implanted Helium and Carbon on Cavity Evolution in Ion-Irradiated T91.

Brian Edward Moore, Field of Specialization: Electrical Engineering-Systems. Dissertation: Robust Algorithms for Low-Rank and Sparse Matrix Models.

David Michael Moore, Field of Specialization: Electrical Engineering. Dissertation: Circuits and Techniques for Cell-based Analog Design Automation in Advanced Processes.

Jillian Peterson Mortimer, Field of Specialization: Educational Studies. Dissertation: Pre-Service Teachers' Understandings and Interpretations of the Common Core State Standards for Mathematical Practice.

Elizabeth Ann Mosley, Field of Specialization: Health Behavior And Health Education. Dissertation: Abortion Attitudes in South Africa and the United States: Implications for Abortion Stigma and Health Equity.

Amir Nankali, Field of Specialization: Mechanical Engineering. Dissertation: Numerical Analysis of a Nonlinear Mechanical-Electrical-Acoustical Model of the Cochlea.

Dominic Jerry Nardi, Jr., Field of Specialization: Political Science. Dissertation: Embedded Judicial Autonomy: How NGOs and Public Opinion Influence Indonesia's Constitutional Court.

Gopal Nataraj, Field of Specialization: Electrical and Computer Engineering. Dissertation: Advances in Quantitative MRI: Acquisition, Estimation, and Application.

Alaina Michelle Neal-Jackson, Field of Specialization: Educational Studies. Dissertation: "They Don't Want to See Us Succeed": How Micro-Interactions Produce Problematic Identities for Black Girls in US Public Secondary Schools.

Thitaphat Ngernsutivorakul, Field of Specialization: Chemistry. Dissertation: Microfabricated Sampling Probes for Monitoring Brain Chemistry at High Spatial and Temporal Resolution.

Yi Niu, Field of Specialization: Earth and Environmental Sciences. Dissertation: Applications of Noble Gases in Hydrogeology in Fractured, Fast Infiltration Systems - From the Greenland and Columbia Ice Sheets to Hawaii.

Kathryn Lacey O'Connor, Field of Specialization: Kinesiology. Dissertation: Concussion Among Military Service Academy Members: Identifying Risk Factors, Recovery Trajectories, And The Role Of Mental Health.

Sean Patrick O'Neal, Field of Specialization: Nuclear Engineering and Radiological Sciences. Dissertation: Advancements in TlBr for Gamma-Ray Detection and Imaging.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

Nicholas Sean Orlowski, Field of Specialization: Educational Studies. Dissertation: Exploring Work Perceptions in High Poverty Schools: Middle School Teachers' Thriving, Vitality, and Learning at Work.

Gilad Pagi, Field of Specialization: Mathematics. Dissertation: Enhanced Algorithms For F-Pure Threshold Computation.

Anurag Panda, Field of Specialization: Materials Science and Engineering. Dissertation: Exciton and Charge Dynamics at Hybrid Organic-Inorganic Semiconductor Heterojunctions.

Zi Yang Pang, Field of Specialization: Aerospace Engineering. Dissertation: Modeling, Simulation and Control of Very Flexible Unmanned Aerial Vehicle.

Shardul Singh Panwar, Field of Specialization: Aerospace Engineering. Dissertation: Numerical and Analytical Multiscale Modeling of High Cycle Fatigue in Advanced Materials.

Gaurav Paruthi, Field of Specialization: Information. Dissertation: Principles for Designing Context-Aware Applications for Physical Activity Promotion.

Elisabeth Anne Pedersen, Field of Specialization: Molecular and Cellular Pathology. Dissertation: The Function of Wnt/beta-catenin Signaling in Ewing Sarcoma and its Contribution to Pathogenesis.

Ian M. Pendleton, Field of Specialization: Chemistry. Dissertation: Computational Chemistry Studies of Organometallic Energy Landscapes.

Sophia Patricia Pilipchuk, Field of Specialization: Biomedical Engineering. Dissertation: Design of 3D-Printed, Micropatterned Scaffolds for Tissue Engineering of Bone-Ligament Constructs in the Oral Cavity using Gene Therapy.

Xiaofei Pu, Field of Specialization: Earth and Environmental Sciences. Dissertation: New Constraints on Temperature, Oxygen Fugacity and H2O of Subduction Zone Basalts Based on Olivine-Melt Equilibrium.

Jinhong Qu, Field of Specialization: Mechanical Engineering. Dissertation: Modeling, Sensing, and Estimation for Miniature Dynamic Systems with Contact.

Bryan Joseph Ramson, Field of Specialization: Applied Physics. Dissertation: Parton Dynamics Inferred from High-Mass Drell-Yan Dimuons Induced by 120 GeV p+D Interactions.

Justin Roy Randall, Field of Specialization: Molecular, Cellular and Developmental Biology. Dissertation: Ribonuclease H Enzymes Function in Bacillus subtilis.

Vahid Rashidi, Field of Specialization: Mechanical Engineering. Dissertation: Machine Learning Algorithms and Molecular Dynamics Models for Predicting Nano-scale and Bulk Thermal Properties.

Mohammad Rasouli, Field of Specialization: Electrical Engineering-Systems. Dissertation: Cyber-Physical Systems Design: Electricity Markets and Network Security.

Amrita Ray Chaudhury, Field of Specialization: Biomedical Engineering. Dissertation: Bio-Micro-Systems for Diagnostic Applications, Disease Prevention and Creating Tools for Biological Research.

Katherine K. Reichl, Field of Specialization: Aerospace Engineering. Dissertation: Active Metastructures for Light-Weight Vibration Suppression.

Scott Benjamin Rich, Field of Specialization: Applied and Interdisciplinary Mathematics. Dissertation: Interacting Mechanisms Driving Synchrony in Neural Networks with Inhibitory Interneurons.

Sonia Robinson, Field of Specialization: Epidemiological Science. Dissertation: Nutrition in Middle Childhood and Externalizing and Internalizing Problems in Adolescence: Results from the Bogota School Children Cohort.

Ashley Brooke Rockenbach, Field of Specialization: History. Dissertation: Contingent Homes, Contingent Nation: Rwandan Settlers in Uganda, 1911-64.

Caitlin Rodriguez, Field of Specialization: Neuroscience. Dissertation: The Role of Upstream Open Reading Frames in Regulating Neuronal Protein Synthesis.

Mary Jeisme Morgan Rogawski, Field of Specialization: Molecular and Cellular Pathology. Dissertation: Regulation of ATM and CDK2 Kinases by the MRN Complex in DNA Damage Signaling and Cell Cycle Checkpoint Control.

David Spencer Rogawski, Field of Specialization: Molecular and Cellular Pathology. Dissertation: The Function of the ASH1L Histone Methyltransferase in Cancer: A Chemical Biology Approach.

Kathleen Ropella Panagis, Field of Specialization: Biomedical Engineering. Dissertation: Methods for Improving MRI-Based Conductivity Mapping.

Michael David Rozier, Field of Specialization: Health Service Organization and Policy. Dissertation: Ethical Concerns in an Era of Population Health: A Challenge of Identity for Tomorrow's Hospitals.

Alexander Russov, Field of Specialization: Economics. Dissertation: Local Labor Markets in Mexico.

Phillip Matthew Rzeczycki, Field of Specialization: Pharmaceutical Sciences. Dissertation: The Role of Macrophages in the Sequestration of Drug and Formation of Insoluble Drug Aggregates.

Mehdi Sadeghpour, Field of Specialization: Mechanical Engineering. Dissertation: Stability of Systems with Stochastic Delay.

Johnny Jim Saldate, Jr., Field of Specialization: Neuroscience. Dissertation: Tomosyn-1 is a Novel Molecular Target of the Ubiquitin-Proteasome System and Underlies Synaptic Architecture.

Ali Salehi, Field of Specialization: Chemical Engineering. Dissertation: Equilibrium Phase Behavior and Mass Transport in Neutral and Oppositely Charged Polymer Assemblies.

Danielle Christine Samblanet, Field of Specialization: Chemistry. Dissertation: Homogeneous, Heterogeneous, and Heterogenized-Homogeneous Catalytic Hydrogenation for the Cascade Conversion of Carbon Dioxide to Methanol.

Armin Sarabi, Field of Specialization: Electrical Engineering-Systems. Dissertation: Quantifying Security: Methods, Challenges and Applications.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

Stacy Ann Schaefer, Field of Specialization: Neuroscience. Dissertation: Otic Regeneration and Development: Advancement of Stem Cell-Based Methodology for In Vitro Modeling of Mammalian Inner Ear Sensory Epithelia.

Aric J. Schultz, Field of Specialization: Microbiology and Immunology. Dissertation: An Analysis of LCAT in Regards to Egress in Toxoplasma gondii.

Nadia Therese Sebastian Kettinger, Field of Specialization: Cellular and Molecular Biology. Dissertation: Investigating the HIV Reservoir in Hematopoietic Stem and Progenitor Cells.

Sebanti Sengupta, Field of Specialization: Biostatistics. Dissertation: Improved Analysis of Large Genetic Association Studies Using Summary Statistics.

Chang Yup Seo, Field of Specialization: Chemical Engineering. Dissertation: Facile Synthesis of Pd-Based Core–Shell Catalysts for Improved Stability and Activity.

Wendy Mila Sepponen, Field of Specialization: History of Art. Dissertation: Milanese Bronze, Spanish Stone, and Imperial Materials: Sculptural Interchange and the Leoni Workshops (1549-1608).

Harleigh C. Seyffert, Field of Specialization: Naval Architecture and Marine Engineering. Dissertation: Extreme Design Events due to Combined, Non-Gaussian Loading.

Guy Shani, Field of Specialization: Business Administration. Dissertation: Our Fates Entwined: A Social and Psychological Perspective of Control in Corporate Governance.

Ravi Prasad Sharma, Field of Specialization: Materials Science and Engineering. Dissertation: Relaxations in Complex Polymer Systems.

Ying Sheng, Field of Specialization: Nursing. Dissertation: On the Relationship between Pubovisceral Muscle Tears and Urethral Closure Pressure in Women Following Vaginal Birth.

Joshua Matthew Shipper, Field of Specialization: Political Science. Dissertation: Poetry in America: Representing Equality Through Accounts of Poetry in Alexis de Tocqueville, Ralph Waldo Emerson, and John Stuart Mill.

Anand Pratap Singh, Field of Specialization: Aerospace Engineering. Dissertation: A Framework to improve Turbulence Models using Full-field Inversion and Machine Learning.

Julie Ann Slack, Field of Specialization: Nursing. Dissertation: Relationships between Domain-specific Cognitive Function, Functional Performance and Life Satisfaction in Persons with Chronic Obstructive Pulmonary Disease (COPD).

Adam Sutterfield Sneed, Field of Specialization: English Language and Literature. Dissertation: Misreading Skepticism in the Long Eighteenth Century: Studies in the Rhetoric of Assent.

Byeongseop Song, Field of Specialization: Electrical Engineering. Dissertation: Controlling Thin-film Morphology and Incorporating Novel Semiconducting Molecules toward High Performance Organic Optoelectronic Devices.

Jianrui Song, Field of Specialization: Cell and Developmental Biology. Dissertation: Myeloid IL4Rα in Cardiovascular Remodeling.

Andrew A. Springall, Field of Specialization: Computer Science and Engineering. Dissertation: Nation-State Attackers and their Effects on Computer Security.

Jessica Lee Stachowski, Field of Specialization: Chemistry. Dissertation: Investigation of Cytochrome P450 Enzymes as Biocatalysts for Multifunctional C-H Oxidation; and a Case Study of a Graduate/Undergraduate Laboratory Exchange Program.

Alejo M. Stark, Field of Specialization: Astronomy and Astrophysics. Dissertation: Galaxies, Cosmology and Gravitation: On Escaping Galaxy Clusters in Accelerating Universes.

Megan Nichole Stewart, Field of Specialization: Medicinal Chemistry. Dissertation: Positron Emission Tomography Radiochemistry: Improved Methodology and a Novel PET Imaging Agent for the Dopamine D3 Receptor.

Drew Stimson, Field of Specialization: Classical Studies. Dissertation: Characterization and Politics in Thucydides.

Benjamin Strassfeld, Field of Specialization: Screen Arts and Cultures. Dissertation: Indecent Detroit: Regulating Race, Sex, and Adult Entertainment, 1950-1975.

Shin-Jang Sung, Field of Specialization: Mechanical Engineering. Dissertation: Ductile Fracture Initiation in Compact Tension, Pressure Tube and Curved Compact Tension Specimens of Hydrided Irradiated Zr-2.5Nb Materials with Split Circumferential Hydrides.

Lorraine Yukiko Alice Shizue Suzuki, Field of Specialization: Kinesiology. Dissertation: The Influence of Declarative Processes upon Human Motor Cortex Physiology.

Sophina Horne Taitano, Field of Specialization: Immunology. Dissertation: Role of TH2 Cytokines in Regulatory B Cell Biology.

Xinyu Tan, Field of Specialization: Mechanical Engineering. Dissertation: Clathrin-mediated Endocytosis with Cell Confinement and during Neutrophil Polarization.

Yemin Tang, Field of Specialization: Electrical Engineering. Dissertation: High Aspect-ratio Biomimetic Hair-like Microstructure Arrays for MEMS Multi-Transducer Platform.

Andre Lamont Thompson, Field of Specialization: Materials Science and Engineering. Dissertation: Effect of Ternary Additives on the Evolution of Structure Formation in Aqueous PEO-PPO-PEO Micelles.

Peng Tian, Field of Specialization: Electrical Engineering. Dissertation: Controlling Photon and Ion Fluxes in Low Pressure Low Temperature Plasmas.

Hung-An Ting, Field of Specialization: Molecular and Cellular Pathology. Dissertation: Notch Ligand Delta-like 4 (Dll4) Induces Epigenetic Mechanism in Regulatory T Cell Function During Pulmonary Viral Infection.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

Eric Tse, Field of Specialization: Biological Chemistry. Dissertation: Quality Control Mechanisms of Molecular Chaperones in the Folding and Degradation of Client Proteins.

Yu-Chih Tung, Field of Specialization: Computer Science and Engineering. Dissertation: Acoustic Sensing: Mobile Applications and Frameworks.

Gonzalo Vazquez Bare, Field of Specialization: Economics. Dissertation: Analysis of Spillover Effects in Randomized Experiments.

Ryan Wade, Field of Specialization: Health Behavior And Health Education. Dissertation: Racialized Sexual Discrimination (RSD) and Psychological Wellbeing Among Young Black Gay/Bisexual Men (YBGBM).

Joshua Logan Wall, Field of Specialization: English Language and Literature. Dissertation: Covenantal Poetics: Jewish, Irish, and African American Modernisms Beyond the Lyric.

Rachel Leah Wallace, Field of Specialization: Chemistry. Dissertation: Folate Binding Protein as a Therapeutic Natural Nanotechnology.

Alex Walsh, Field of Specialization: Aerospace Engineering. Dissertation: Extremum-Seeking Guidance and Conic-Sector-Based Control of Aerospace Systems.

Xinzhu Wei, Field of Specialization: Ecology and Evolutionary Biology. Dissertation: Genetic Interactions and Gene-by-Environment Interactions in Evolution.

Amy Seon Westmoreland, Field of Specialization: Psychology. Dissertation: Not Your Model Minority: Workplace Outcomes among Asian Pacific Islander Americans.

Stephanie Eileen Wiitala, Field of Specialization: Biomedical Engineering. Dissertation: Traditional and Non-Traditional Inputs to the Vestibular System.

Justin Michael Williams, Field of Specialization: Political Science. Dissertation: Spatial Justice as Analytic Framework.

Tehetina Belete Woldemichael, Field of Specialization: Biophysics. Dissertation: Exploring Drug Bioaccumulation and Stabilization with Respect to Endolysosomal Ion Homeostasis Using a Systems-Based Mathematical Modeling Approach.

Lia Rebecca Wolock, Field of Specialization: Communication. Dissertation: Producing South Asian America: Community, Digital Media, and Connectivity.

Michael Sang-Joon Won, Field of Specialization: Chemical Biology. Dissertation: Structure, Function, and Inhibition of Protein Depalmitoylases.

Matthew Marshall Woodbury, Field of Specialization: History. Dissertation: Humanitarian Governance in Colonial New Zealand (1833 - 1872).

Biming Wu, Field of Specialization: Biomedical Engineering. Dissertation: Development of Self-regulatory Gene Circuits for Cartilage Tissue Engineering.

Minyu Xiao, Field of Specialization: Chemistry. Dissertation: Elucidating Buried Interfacial Structures Of Complex Materials Using Advanced Spectroscopic And Microscopic Techniques.

Sheng Yang, Field of Specialization: Physics. Dissertation: Computational Prediction of Transport Properties in Battery Materials.

Kwame Yankson, Field of Specialization: Educational Studies. Dissertation: Analysis of Mathematics Curriculum Materials to Ascertain the Potential for Students to Develop Agency and Autonomy.

Zhiyuan Yao, Field of Specialization: Molecular, Cellular and Developmental Biology. Dissertation: Molecular Mechanism and Regulation of Autophagy in Saccharomyces cerevisiae.

Yevgeniy Yesilevskiy, Field of Specialization: Mechanical Engineering. Dissertation: Understanding and Improving Locomotion: The Simultaneous Optimization of Motion and Morphology in Legged Robots.

Jennifer Yeung, Field of Specialization: Pharmacology. Dissertation: The Role of 12-Lipoxygenase in the Regulation of Platelet Function.

Elizabeth Lynn Young, Field of Specialization: Sociology. Dissertation: Guardians of Religion: Islam, Nation, and Democratization in Post-Revolution Tunisia.

Alex Yu, Field of Specialization: Pharmaceutical Sciences. Dissertation: A Novel Mechanistic and Physiologically-Based Pharmacokinetic Model with Dynamic Gastrointestinal Fluid Transport.

Thomas D. Zaikos, Field of Specialization: Microbiology and Immunology. Dissertation: Characterization and Elimination of the HIV Reservoir.

Yunqi Zhang, Field of Specialization: Computer Science and Engineering. Dissertation: Architecting Data Centers for High Efficiency and Low Latency.

Zhizheng Zhang, Field of Specialization: Electrical Engineering. Dissertation: Optical Quartz Crystal Microbalance (OQCM) for Dual-Mode Analysis.

Zhengkang Zhang, Field of Specialization: Physics. Dissertation: Effective Field Theory Approaches to Particle Physics Beyond the Standard Model.

Jiabei Zheng, Field of Specialization: Electrical Engineering-Systems. Dissertation: Improving Image Reconstruction for Digital Breast Tomosynthesis.

Nan Zheng, Field of Specialization: Electrical Engineering. Dissertation: Algorithm/Architecture Co-Design for Low-Power Neuromorphic Computing.

Wei Zhou, Field of Specialization: Bioinformatics. Dissertation: Computational and Statistical Approaches for Large-Scale Genome-Wide Association Studies.

Weizhong Zou, Field of Specialization: Chemical Engineering. Dissertation: Exploiting Polymer Theory to Simulate the Rheology of Micellar Solutions and Polymer Glasses.

Charles Henry Pearson Zuckerman, Field of Specialization: Anthropology. Dissertation: Good Gambling: Meaning and Moral Economy in Late-Socialist Laos.

Linjun Zhang, Field of Specialization: Mechanical Engineering. Dissertation: Hierarchical Design of Connected Cruise Control: Perception, Planning, and Execution.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Doctor of Philosophy

Shuyi Zhang, Field of Specialization: Materials Science and Engineering. Dissertation: In-situ and Ex-situ Microscopy and Spectroscopy Study of Catalytic Materials.

Tim Zhang, Field of Specialization: Chemistry. Dissertation: Analyses of Electrochemical Phenomena at Hg Ultramicroelectrodes.

Chumin Zhao, Field of Specialization: Electrical Engineering. Dissertation: High Resolution Active Pixel Sensor X-Ray Detectors for Digital Breast Tomosynthesis.

Sheng Zheng, Field of Specialization: Chemical Engineering. Dissertation: Wax Deposition from Single-Phase Oil Flows and Water-Oil Two-Phase Flows in Oil Transportation Pipelines.

Xin Zhou, Field of Specialization: Mechanical Engineering. Dissertation: Battery State of Health Monitoring via Estimation of Health-Relevant Electrochemical Variables.

Yiying Zhu, Field of Specialization: Biomedical Engineering. Dissertation: Assessment and Control of a Cavitation-Enabled Therapy for Minimally Invasive Myocardial Reduction.

Certificate of Graduate Studies

Complex Systems
James Sidney Fishelson
Conner James Goodrum
Saerom Lee

Computational Discovery and Engineering
Kaihua Ding
Scott Benjamin Rich

Data Science
Nana Agyei Asare
Chun Yin Chang
Lu Ding
Daniel Dsouza
Zhenyu Fei
Mei Fu
Tanvi Pradeep Gujarati
Tyler C. Hein
Bhavika Reddy Jalli
Enoch Yannum Lee
Anna Christina Lenhart
Meizi Li
Sol Ie Lim
Lihe Lin
Mengyu Liu
Qingya Liu
Vidya Chidanand Mansur
Jasmine Mou
Luke Richard Puglisi
Dan Qiao
Xinlin Song
Lingchen Sun
Mingyan Tian
Zheyi Tian
Tianshi Wang
Yuehan Wu
Tongyan Xu
Cheng Yang
Xinyue Yang
Yang Yang
Weina Zhang
Anna Zheng
Bowen Zhou
Yidan Zhu
Yongwen Zhuang

Healthy Cities
Lydia Jane Miller

Industrial Ecology
Maryam Arbabzadeh

Real Estate Development
Kate Blessing-Kawamura
Emily Jane Burrowes
Alexander Shi Kai Ho
Andrew Raymond Kaczmarek
Jin Li
Pingping Liu
Dewi Kartika Tan

Survey Methodology
Amy Seon Westmoreland

World Performance Studies
Kiran Bhumber
Aaron James Covey
Laura-Ann Jacobs
Ellen Myers
Sydney Rebecca Casser Schiff
Fabiola Ochoa Torralba

Master of Science

Applied and Interdisciplinary Mathematics
David Francisco Guerra
Huajie Qian
Jenia Rousseva
Ursula Anna Trigos-Raczkowski

Chemical Biology
Evan Jerrold Barnes
Kridnut Chuduang
Jose Cristobal Granados
Darragh Sharron Grier
Cody Norbert Hall
Katherine Leah Lev
Tareina Rogers
Zhuoyi Song
Junius Eugene Thomas
Li Zhang

Survey Methodology
Melissa Armendáriz
Katherine McFall Blackburn
Hao-Chun Cheng
Shaohua Dong
Wenyi He
Ryan Jay McCammon
Ali Rafei
Iago Santos Muraro
Javier Alejandro Torres Ivelic
Hani Zainulbhai
Xinyu Zhang

COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS

Founded in 1841, Andrew D. Martin, Dean

Certificate of Graduate Studies

African American Diasporic Studies
Jallicia Allicia Jolly
Zachary Steven Kopin
Joo Young Lee

African Studies
Julie Buser
Abigail Eugenia Celis

Cognitive Science
Sammy F. Ahmed

Lesbian/Gay/Bisexual/ Transgender Queer Studies
Colleen Kate Towler

Medieval and Early Modern Studies
Jennifer Erin Gear

Science, Technology, and Society
Mika Kennedy
Bonnie Marie Tucker

Master of Arts

American Culture
Bonnie Applebeet Cameron

Anthropology
Andrew Baver Bernard

Applied Economics
Josh Allmayer
Daniel Jack Botting
Wei-Yun Chang
Qianyu Chen
Yuren Chen
Yuri Chung
Dina Emam
Douglas John Ensminger
Ahmet Tayyar Firat
Diego García Montúfar García
Zhuofang He
Woo Kim
Zhanren Li
Luz Viviana Meza
Nagihan Ozlu
Xuanbo She
Yingyi Song
Dini Takola
Xinyu Yan

Applied Statistics
Desmond Rynn Cole
Jingqi Liu
Nima Salehi Sadghiani
Han Xu
Fengyu Zhao

Arabic Studies
Ameena Yovan

Asian Languages and Cultures
Minna So Min Lee

Asian Studies: China
Michael Aaron Bumann
Marilyn Ruby Evenmo
Meizi Li
Weihang Wang

Asian Studies: Japan
Benjamin Andrew Cochrane
Lorin Lee-Ann Davis
Matthew Kevin Donley
Gal Lahav
Alice Sanae Register
Julia Shiota
Karin Nicole Tompkins

Classical Art and Archaeology
Erica Lynne Canavan

Classical Studies-Latin
Tynan John Graniez

Economics
Shawn Michele Martin
Yishu Zeng

Germanic Languages and Literatures
Hannah Lichtenthaler

Modern Middle Eastern and North African Studies
Kristen Tayler Canavan
William Hall
Shireen Nazari Smalley

Near Eastern Studies
Abdulaziz Alqasem
Timothy Daniel Leonard

Political Science
Wooseok Kim
Bomi Lee

Romance Languages and Literatures French
Nicholas Robert Holterman

Romance Languages and Literatures Spanish
Amanda Susie Ndaw

Russian, East European and Eurasian Studies
Brian Cusack
Michael B. Fealey, Jr.
Ethan Michael Kennedy

Sociology
Shannon Jia Wei Ang
Richard Michael Rodems

South Asian Studies
William Hall
Rachel Pei Hirsch

Southeast Asian Studies
Ellen Myers
Nathaniel Paul Samuelson

Statistics
Wei Bao
Byoungwook Jang
Jarvis Miller
Weijing Tang

Master of Science

Applied Physics
Adrianna Marie Angulo
Juniar Lucien
Cesar Perez

Applied Statistics
Ran Bi
Mariah Leigh Boulard
Jiahua Chen
Tsai-Chin Cho
Elliott Benjamin Evans
Alexander Fred Everett
Yingjia Fu
Noah Jordan Gale
Ruijiang Gao
Joshua Patrick Gardner
David Guo
Chia-Wei Hsu
Can Huang
Kaiwen Jiang
Jungeun Kim
Dong Gil Lee
Yiran Li
Zoey Li
Shuting Liao
Lizi Lin
Chen Liu
Yuhao Liu
Esther Widya Impola Lumbantobing
Jeanhee Pak
Luke Richard Puglisi
William Y. Qing
Yijing Qu
Akash Rastogi
Ben Denis Shaffer
Andrew Soncrant
Xinghui Song
Taylor Spooner
Hanbo Sun
Huiqi Wang
Qingyi Wang
Shan Wang
Shikun Wang
Tuo Wang
Xinyue Yang
Xiaoyun Yu
Bindan Zhang
Junyan Zhang
Qianhong Zhou
Yujing Zhou

Astronomy and Astrophysics
Ryan Jeffrey Farber

Biophysics
Nigel Stephen Michki

Chemistry
Frances Marie Acevedo Mariani
Ellen Yuleidy Aguilera
Brandon William Alexander
Matthew Christopher Bagazinski
Trever Michael Bostelaar
Brian Majeska Carlson
Cole Alexander Chapman
Monique Elizabeth Cook
Shiba Sundar Dandpat
William S. Dean
Hai Thanh Dong
Weijie Feng
Nathaniel Zachary Hardin
Joshua Burton Kenney
Jinhee Kim
Jonathan Philip Kuriakose
Melissa Lin
Mark Alexander Mantell
Emily Mueller
Nicole Olson
John David Orlet
Matt Sorensen
Jiayi Tian
Ricardo Javier Vazquez
Sibin Wang
Corey J. White
Yujin Wu
Kelcie Anne Zegalia
Yanbing Zhou

Earth and Environmental Sciences
Aislinn Eileen Deely

Ecology and Evolutionary Biology
Stephanie Nicole Alcala
Teal Alexandria Harrison
Xorla Seyram Ocloo
Imani Daniele Russell

Mathematics
Claudia Hu
Ruojing Jiang
Mohammadmahdi Khaliligarekani
Fanbo Meng
Yuanyuan Pan
Feijie Qin
Yifan Wu
Donghui Xu

Molecular, Cellular and Developmental Biology
Amberlene Jaymie De La Rocha
Andrew James Narwold, Jr.
William McCoy Sheeran
Yi-Ju Tseng

Physics
Trevor Paul Bailey
Bradley David Dice
Tanvi Pradeep Gujarati
Garrett William Merz
Wenhao Xu

Psychology
Joseph Alexander Calabrisotto
Kayla J. Fike
Kevin Anthony Grimaldi
Jessica M. Kiebler
Jerin Lee
Tingting Liu
Wanying Liu
Abigael Gordon Lucas
Anne Christine Sabol
Han Zhang

Quantitative Finance and Risk Management
Boyan Cheng
Wen Li
Lihe Lin
Shaofeng Shen
Xiaoman Wang
Zeyu Zhang
Shuangning Zhu

MEDICAL SCHOOL

Founded in 1850, Marschall S. Runge, Dean

Certificate of Graduate Studies

Medical Physics
Alexander Moncion

Master of Science

Bioinformatics
Olivia Isabel Alge
Yilin Gao
Gayatri Rajendran Iyer
Kaiwen Lin
Shuze Wang
Zhenning Zhang
Nanxiang Zhao
Linglin Zhu

Biological Chemistry
Jordan Phillip Hochstetler

Genetic Counseling
Jamie A. Love-Nichols
Kestutis Clarence Micke
Erin Nicole Nordquist
Caitlin Marie Reid
Carolyn Rose Serbinski
Lauren Elizabeth Turner
Stephanie Maya Wiryaman

Health and Health Care Research
Lindsay Kennedy Admon
Joy Weiling Chang
Aidin Eslam Pour
Cornelius Dijon Jamison
Parth Modi
Brian Craig Stagg

Human Genetics
Kaitlyn Elizabeth Bunn
Aaron Joshua Williams

Microbiology and Immunology
Colleen Katherine Brand
Adriana Correa-Vallecilla
Christina Ann Sarkissian Milner

Neuroscience
Stacy Ann Schaefer

Pharmacology
Bradley Alan Prast
Zhuoying Ren

Physiology
Stephen Gerrit Collins

SCHOOL OF DENTISTRY

Founded in 1875, Laurie K. McCauley, Dean

Master of Science

Dental Hygiene
Christela Ivon Falcon

Prosthodontics
Sarah Faris A. Alsadun
Daniel Alberto Cortes Trevino
Daniel James Hammaker
Jesse Samuel Kane
Nuntaporn Rojanasakul

COLLEGE OF PHARMACY

Founded in 1876, James Dalton, Dean

Master of Science

Pharmaceutical Sciences
Sayed Alireza Hassani Najafabadi

COLLEGE OF ENGINEERING

Founded in 1895, Alec D. Gallimore, Robert J. Vlasic Dean of Engineering

Certificate of Graduate Studies

Microfluidics in Biomedical Sciences
Molly Aliza Kozminsky

Plasma Science and Engineering
Scott J. Hall

Master of Science

Atmospheric, Oceanic and Space Sciences
Adam Michael Schneider

Biomedical Engineering
Nour Arafat
Vivian Meifen Chu
Kyle Deans
Zhenyu Fei
Tejaswini Prakash Hardas
Yuan Li
Samuel Ross Nason
Trang-Tiffany Quynh Nguyen
Jin Pan
Yue Qin
Ramya Ravindran
Neal E. Sanna
Chong Shen
Rachel Jean Wathen
Elissa Joy Welle
Tiana Jasmine Wong
Zhixia Wu
Yuhang Zhang

Climate and Space Sciences and Engineering
Daniel Brandt
Ryan Michael Dewey
Ronald Domholdt
Zachary Hartgrove Fair
Kimberly Marie Frauhammer
Emily Lou Judd
Kyle David Klein
Garima Malhotra
Kali Jean Roeten
Sarah Ayelet Spitzer
Sergio Vidal-Luengo
Zihan Wang
Carolyn Nicole Wendeln
Emily Grace Yang

Computer Science and Engineering
Vandit Agarwal
Preetom Chakraborty
Hossein Golestani
Rose Catherine Howell
Salar Latifi
Matt Myers
Linh Van Nguyen
Subhankar Pal
Arun Subramaniyan
Shijie Xu

Design Science
Emily Catherine Borst
Eva Marie Koester
Beijia Wang

Electrical and Computer Engineering
Christopher Richard Allemang
Paige Eileen Castle
Haoze Chen
Hung-Wen Chen
Kevin Chen
Si Chen
Xing Chen
Yutong Chen
Zhuoyin Chen
Qiaosheng Cheng
Jeffrey Hsien-Ho Chiu
Chun-Ju Chou
Lu Dai
Shengsong Ding
Daniel Dsouza
Xinhong Du
Yiming Duan
Mingxiang Fan
Cheng Fu
Madhura Bhupendra Gandhi
Tianhang Gao
Chang Ge
Xinyuan Gu
Moran Guo
Aaditya Rajiv Hambarde
Samuel Benjamin Hansen
Yining Heng
Sen-Ching Hsiao
Die Hu
Jichuan Hu
Po-Kang Huang
Xiaheng Huang
Xiao Huang
Ziyi Huang
Bor-Kae Hwang
Bhavika Reddy Jalli
Tao Jiang
Makoto Kawabata
Aditya Keskar
Parker Alexander Koch
Chen Li
Cixing Li
Haoyang Li
Jiatong Li
Panfeng Li
Yanqiao Li
Yushu Li
Chung-Wen Liao
Jongyup Lim
Bo-Yao Lin
Chien-Wei Lin
Bowen Liu
Haiyi Liu
Mingjie Liu
Siying Liu
Xiang Liu
Xiaowen Liu
Yang Liu
Yida Liu
Zexiang Liu
Jiaqi Ma
Saurabh Dhananjay Mahajan
Vidya Chidanand Mansur
Uthara Menon
Audrow Nash
Yunhan Ning
Divyansh Pal
Mengzhen Pan
Yen-Ting Pan
Yiyu Pan
Hongyu Pang
McKinley Pugh
Yanxiong Qian
Mushfequr Rahman
Akash Rastogi
Anshuman Samantray
William Joseph Schell
Hyungjoo Seo
Jia Shi
Yan Shi
Yaohua Shi
Zhan Shi
Henry Oskar Burst Singer
Sajal Sagar Singh
Andres Augustine Sisneros
Chan Ho Soh
He Song
Eric Daniel Steinbach
Zhaolun Su
Hongyi Sun
Ximeng Sun
Karan Suri
Tianjian Tang
Abhishek Thakur
Feng Tian
Pengkun Tian
Chen Wang
Lei Wang
Muyang Wang
Xiaoming Wang
Yueqi Wang
Yupeng Wang
Zhusheng Wang

Master of Science

Electrical and Computer Engineering
Ziqi Wang
Siyao Wu
Yirui Wu
Pei-Xuan Xie
Yuwei Xie
Yu Xin
Yuxiao Xu
Zhan Xu
Bixia Yan
Yihao Ye
Zhou Yu
Haibin Zhang
Xinrui Zhang
Yimeng Zhang
Yuxi Zhang
Hao Zheng
Hao Zheng
Hengfei Zhong
Jiawei Zhong
Shi Zhou
Tianyu Zhou
Haonan Zhu
Lili Zhu
Mengqi Zhu
Zikang Zhu
Junyu Zou

Industrial and Operations Engineering
Abdullah Abdulhadi M Albeladi
Mansur Maturidi Arief
Yutong Chen
Yuchen Dong
Kun He
Claudia Hu
Faheem Ahmad Saleem Kaskar
Jianang Li
Nikhil Jonathan Rego
Byron Alexander Tasseff
Chien-Yi Tsai
Sarah Wang
Qiucheng Wang
Zhengyang Wu
Haofan Zhang
Qianyi Zhang
Qiaoning Zhang
Elise Zhou

Macromolecular Science and Engineering
Taeyong Ahn
Dukhan Kim
Ying Liu
Alyssa Tamra Travitz

Naval Architecture and Marine Engineering
Nicholas Robert English
Tristan James Patrick Wright

Nuclear Engineering and Radiological Sciences
Tyler J. Cousins
David Fobar
Charles Olson Leak
Terrence Nolan
Valerie Nwadeyi
Robert Nicholas Wahlen
Andrew Steven Wilhelm

Robotics
Vivek Reddy Alla
Brian Arthur Bittner
John Edward Busch, Jr.
Gustavo Jose Camargo Parodi
Jeremy Doty Castagno
Yu-Ming Chen
Chun-Ming Chiu
Stephane Roger Mikael Dadian
Mrunmayee Shripad Deshpande
Tigist Diriba
Xinzhi Fan
Kevin David French
Yaohui Guo
Bruce J.K. Huang
Kai Jia
Sisi Li
Kevin Marc Lieberman
Theodore Stein Nowak
Divyansh Pal
Chien-Wen Pan
Rajashree Ravi
Mengyao Ruan
Atulya Shivam Shree
Abhishek Venkataraman
Kevin Xia
Zhentao Xu
Ding Zhang
Yunwen Zhou

Master of Science in Engineering

Aerospace Engineering
Sanskar Bhattacharya
Thomas Andrew Billings
Jackson Burrus
Wenjie Cai
Austin Timothy Harms
Michael Emerson Holloway
Eric Howard Killian
Jacob David Kurtz
Enoch Yannum Lee
Tzu-Hsiang Lin
Tong Liu
Christopher Lupp
Zachary Robert Meves
Agnit Mukhopadhyay
Siddharth Suhas Pawar
Chaaru Lily Raghavan
Briana Lynn Rodriguez
Divya Sanghi
Sneha Sanjeevini
Shikhar Shah
Daniel Paul Spatcher
Jacob Samuel Tukel
Alexander Ryan Vazsonyi
Kevin Oliver Viveros
Benjamin Natan Wachs
Tung-Yu Wu
Neil Wu
Yi Yang
Anil Yildirim
Luwei Yu
Zhanzhan Zhao

Biomedical Engineering
Brendan Thomas Kane Berg
Ciara Maria Caldwell
Camden David Cheek
Rachel Samantha Dick
Patricia Ann Dine
Nhu Quynh-Thi Do
Alexander Murphy Driessche
Brittany Lauren Gadigian
Hannah Marie Cox Gannon
Christopher Gabriel Gidley
Leora Esther Goldbloom-Helzner
Megan Rose Grima
Anne Gu
Farah Huq
Suraj Jaipalli
Yonggil Jang
Philip Lee
Joshua Daniel LeVay
Catherine Jiaen Long
Camila Maria Luciano
Adam Zachary Minchella
Sam Natla
Madhurima Parigi
Matthew Ward Pierce
Franklin S. Qiu
Theodore Elijah Sallen
Jordan Marie Scott
Alyssa Renee Sebring
Julian Trojan Sit
David Michael Sniecinski
Sudharsan Srinivasan
Carly Erin Swiftney

Master of Science in Engineering

Biomedical Engineering
Nusayba Mohammad Tabbah
Charles Cameron Taylor
Erik Michael Thomas
Haley Lauren Titinger
Ferrous Selenium Ward
Olga Maria Wroblewski
Phillip Yang
Mingxiao Zhang

Chemical Engineering
Alexander Adams
Austin W. Bingham
Tristan Brohm
Cailin Anne Buchanan
Joseph Michael Cicchese
Sean Thomas Dix
Heather Fairbairn
Rachael Jean Muxlow Harrington
John Russell Hemmerling
Candria Chanel Jones
Hannah Kim
Ifeanyi Kizito Madu
Ian J. Nessler
Emma Purcell
Cameron Craig Sloan
Kaylee Judith Smith
Nathaniel Alexander Sunderlin
Grace Xiao En Tan
Kaixin Tan
Stanley Siki Wang
Zixuan Wang

Civil Engineering
Trevor Chou
William Mays Davids
Alyssa Anna DeSimone
Hang Gao
Jiayi Gao
Goldie Nicola Gunawan
Yulin Guo
Gwendolyn Rita Hubbard
Dan Qiao
Maurren Theresia
Stacey Renee Valentine
Jue Wang

Computer Science and Engineering
Jungho Bang
Samantha Barros Silveira
Dmitry Igorevich Bondarenko
Nicholas William Bush
Patrick Henry Coyle
Mohamed El Banani
Manav Gabhawala
I-An Huang
Brian David Ma
Jay Suresh Mulani
Deepika Natarajan
Cyrus Nikolaidis
Alexander Anhong Wang
Austin David Yarger
Bowen Zhang

Construction Engineering and Management
Esteban Jose Infante Merheg
Ting Yang

Electrical and Computer Engineering
Ajith Chacko
Ajaay Gobi Chandrasekaran
Fangyuan Chang
Siyan Chen
Siyuan Chen
Paul Andrew Giessner
Jiapeng Guo
Abigail Le Kern
Shuyan Li
Yisi Liu
Yu Liu
Duane Robert London
Chao Ma
Qian Ma
Hang Ren
Amit Shah
Shivani Dhruv Shah
Weilun Shi
Wenyan Song
Amanda Mei Sugai
Jared Davidson Suter
Yichen Wang
Dingdong Yang
Hao Yang
Haoyu Yu
Ping Yu
Jonathan Edward Zarger

Electrical Engineering
Xiangxuan Ge
Kyuseok Lee
Patrick Tsai
Yiwen Zhang

Electrical Engineering-Systems
Brian Chang
Matthew Jiachen Cui
Catherine Marie Culkin
Ran Jia
Claire Katherine Nulty
Siddharth Venkatesan
Alex Jeffrey Ying

Environmental Engineering
Timothy Fairley
Abby Kleinheksel
Kathryn Louise Langenfeld
Enrique Emanuel Rodriguez
Mingyan Tian
Zheyi Tian
Yuehan Wu
Tongyan Xu
Jin Yan
Cheng Yang
Yang Yang
Kate Julianne Kinchen Yuhas
Weina Zhang
Bowen Zhou

Industrial and Operations Engineering
Stephanie Marina Brereton
Joy Catherine Chang
William W. Chen
Tamara Michelle Craven
Bethany Anna Daniel
Nathan Richard Estes
Elizabeth Ann Ettleson
Alec Leon Evan
Yusuf K. Ghani
Tasha A. Gillum
Conner James Goodrum
Eric Lee Huang
Dereck Nicholas Kennedy
Maaz Khalid
Changhoon Kim
Ilkka Kalevi Kovanen
Zhanren Li
Qingya Liu
Mark Ma
Laith Markis Nona
Uygar Ozdemir
Hannah Rose Schapiro
Shuai Shao
Xuanbo She
Yixuan Shi
Justin Eric Steuer
Lukas Raymond Stull
Lingchen Sun
Michael Alexander Szocik
Hwon Tak
Joshua Paul Thariath
Atakan Tin
Keng Tsao
Nicha Viraporn
Allison Elizabeth Ward
Yi Yang
Cheryl Jia-xue Zhang
Xin Zhang
Xuanya Zhang

Macromolecular Science and Engineering
Bryce Michael Kriegman
Rachel Ellen Shifman

Materials Science and Engineering
Jacob Ryan Garves
Yiqiao Huang
Celia Grace Keany
Daniel Lee

COLLEGE OF ENGINEERING

Master of Science in Engineering

Materials Science and Engineering
Katherine Theresa Vaidya
Xinyu Zhang

Mechanical Engineering
Arun Ashok Rao
Gregory Matthew Auerbach
Mohammad Azimi
Subramaniam Balakrishna
Akshay Bhardwaj
Philip Michael Burke
Yingjie Cai
Douglas Robert Carder
Chih-Chao Chang
Tse-Shao Chang
Valerie Li-Chi Chen
Yusen Chen
Tung-Yi Chiu
Shihcheng Andrew Chu
Fan Chung
Ignacio Estrada Garcia
Dana Marie Felberg
Cong Fu
Aaron Michael Garnier
Benjamin Daniel Golder
Amy Elizabeth Goodell
Yu Han
Eric Miller Harding
Fanchen He
Keith Charles Heine
Lucca Aster Henrion
Gordon Hsu
Junhao Hu
Chien-Po Huang
Suresh Kumaar Jayaraman
Ashwin Kannan Iyengar
Shanal Katiyar
Hun Kim
Jun Young Kim
Hyung Suk Kwon
Ming-Jui Li
Shuying Li
Chenfan Lian
Chang Liu
Lixi Liu
Weigang Liu
Sheng Lo
Hung-Chien Luh
Matthew James Lund
Song Lyu
Kevin Hao Ma
Jie Mei
Elizabeth Marie Miranda
Amir Nankali
Trey Collins Neveux
Yanqing Pan
Luke Etienne Petersen
Randi Peterson
Charles Frank Pinzone
Aniruddhe Pradhan
Bhupendera Prashanth Ramakrishnan
Yi Ren
Tianqu Shao
Nils Paul Stephanus Smit-Anseeuw
Madison Elizabeth Strauss
Yi-Chung Su
Lei Sun
Keng Tsao
Gabrielle Elizabeth Moilanen Vuylsteke
Ting Wang
Lars Stephen Watts
Nikki Eden Weiss
Yifan Weng
Tung-Yan Wu
Junshi Xu
Jih-Kai Yeh
Yuxiang Zhang
Bowen Zhou
Bingqing Zu

Naval Architecture and Marine Engineering
James Anthony Coller
Keith Charles Heine
Bradford G. Knight
Jie Mei
James William Spain

Nuclear Engineering and Radiological Sciences
Noora Hussein Abdulrahman Ba Sunbul
Austin Lewis Carter
Sunming Qin
Adam J. Weidman

A. ALFRED TAUBMAN COLLEGE OF ARCHITECTURE AND URBAN PLANNING

Founded in 1913, Jonathan Massey, Dean

Master of Science

Architecture Design and Research
Fatima Mohamed Abdalla Ali Alzaabi
Rahul Attraya
Javiera Ignacia Balut Oyarzún
Swati Goel
Zehui Hong
Ting-Chian Jin
Shreya Sanjay Samruddhi Porey
Jaemoon Rhee
Sweeya P. Tangudu
Reema Tarabichi
Minxue Wang
Jun Xu
Yingying Zeng
Shaoran Zhang

Master of Urban Planning

Urban and Regional Planning
Melissa Bloem
Emily Jane Burrowes
Grace Enyoung Cho
Alvin Hawkins Darden
William Robert Doran
Moira Williams Egler
Marlena Hanlon
Tyler Elise Hardy
Andrew William Justus
Bradley Scott Kotrba
Samuel Cantor Krassenstein
Eric Krohngold
Yu-Hung Kuo
Rebecca Labov
Rachel C. Leonard
Jin Li
Erika Jean Linenfelser

A. ALFRED TAUBMAN COLLEGE OF ARCHITECTURE AND URBAN PLANNING

Master of Urban Planning

Urban and Regional Planning
Pingping Liu
Jonathan-Philip Agner Mansolf
Karen Ann Otzen
Jennan Qato
Whitney Briana Sherrill
Anna Shires
Jordan Jesús Solano-Reed
Kerrel Eric Spivey
Dewi Kartika Tan
Lu Tian
Srinidhi Venugopal
Alex Todd Waltz
Xuan Wang
Nancy H. Welsh
Emilie Yonan
Jianan Zhang
Christian Le Zimmer

SCHOOL OF EDUCATION

Founded in 1921, Elizabeth Birr Moje, Dean

Master of Arts

Educational Studies
Nasr Fadhel Abdullah Abdo
Fatimat Adenike Adebiyi
Christopher Britten Bruno
Jarad Ford
Jeremy Horne
Michelle Li
Estefhaney Roxana Lopez
Dexter Alonzo Moore, Jr.
Leigh Celeste Morrison
Gage Lyn-Alan Peavler
Oscar Obed Ramírez
Eman Saleh
Kristen Maria Satchel
Julie Filberg Scherer
Caylan Monet Stevens
Satra D. Taylor
Estefanita Jaselle Valdez
Ning Wang
Kehui Zhang

Higher Education
Dayna Asante-Appiah
Ashleigh Bell
Nathanael Robert Boorsma
Julie Ellen Burnett
Sooji Kim
Madeline Suzanne Mathews
Colleen Alexa McNamee
Lori Meehan
Sanchet Chandershekhar Sharma
Julia Lynn Sohn
Javier Solorzano Parada
Amara Brighe Sugalski

Master of Science

Educational Studies
Katherine C. Crocker
Jessica Lee Stachowski

SCHOOL FOR ENVIRONMENT AND SUSTAINABILITY

Founded in 1927, Jonathan T. Overpeck, Samuel A. Graham Dean

Master of Landscape Architecture

Landscape Architecture
Ya Cai
Tiantong Gu
Rachel C. Leonard
Jiayang Li
Xinming Liu
Audrey Pangallo
Andrew Sell
Shui Wang
Yifei Wu
Chen Zhang

Master of Science

Natural Resources and Environment
Malcolm Hugh Albin
Bolívar Alexander Aponte Rolón
Alexis Catherine Apostol
Alexander William Bennett

SCHOOL FOR ENVIRONMENT AND SUSTAINABILITY

Master of Science

Natural Resources and Environment
Sindhu Bharadwaj
Iuliana Bleanda-Mogosanu
Patrick W. Bradley
Nicholas Gregory Bruscato
Stephanie Morgan Cattoren Campbell
Christina Marie Carlson
Matt Chambers
Chun Yin Chang
Marwan Charara
Nathan S. Chesterman
Snehal Chopade
Alexandra Leigh Clayton
Hayley Sophie Currier
Carissa Joy De Young
Kelsea Dombrovski
Alice Elliott
Julia Entwistle
Tyler Fitch
Katherine Elizabeth Grantham
Helen Gutierrez
Kristopher Paul Harmon
Sean Jesse Wright Heyneman
Alexander Shi Kai Ho
Kirstie Dolores Hostetter
Kimberley Irby
Albany Katrina Jacobson Eckert
Wiles Jordan Kase
Cria Anne Madigan Kay
Devin Nicole Kinney
Robert Paul Kraynak
Taylor Anne Landeryou
Anita Lin
Margaret Dee Lindman
Hsiao-Chin Liu
Lixi Liu
Xinming Liu
Chuying Lu
Miles K. Luo
Yili Luo
Tara Christina Mahon
Austin James Martin
Braxton Heath Mashburn
Jillian Elise Mayer
Annemarie J. McDonald
Brooke Lee McWherter
Christopher David Monti
Melissa Rachel Morton
Ryan Christopher Moya
Elissa Mueller
Geoffrey Dwight Murray
Chang Ni
Mirko Noack
Rika Novayanti
Emily Elizabeth Nummer
Cazzie Marlene Palacios Brown
Audrey N. Pallmeyer
Audrey Pangallo
Sophia Kathryn Paul
Sean Clark Pavlik
Natalie G. Payer
James Garrett Powers
Kaitlyn Pritchard
Shiva RaissiCharmakani
April Renee Richards
Jessica Alexandria Robinson
Dahlia Yaffa Rockowitz
Grace Dean Rodriguez
Malavika Sahai
Lino Román Sanchez Siegel
Jessica M. Santos
Luke Inness Sawitsky
Robin Shane Schultze
Melissa Marie Selva
Sarah Lauren Semegen
Kaihui Song
Walker Stinnette
Lingchen Sun
Daniel James Tanner
Kaitlyn Schannen Teppert
Kesiree Thiamkeelakul
Jordon Charles Tourville
Pierre Rene van der Schaft
Calli Paige VanderWilde
Nikole Rae Muzzy Vargas
Charlotte B. Weinstein
Danielle C. Wilkins
Katherine Anne Williamson
Edwin Willig
Tawechote Wongbuphanimitr
Zijun Yang
Cindy Yao
Tianyu Ying
Ansha Zaman

SCHOOL OF MUSIC, THEATRE & DANCE

Founded in 1940, Melody Lynn Racine, Interim Dean

Master of Arts

Media Arts
Kiran Bhumber
Daphna Raquel Raz

Master of Fine Arts

Dance
Al Sanchez Evangelista
Sydney Rebecca Casser Schiff
Fabiola Ochoa Torralba

SCHOOL OF PUBLIC HEALTH

Founded in 1941, Cathleen M. Connell, Interim Dean

Master of Science

Biostatistics
Jonathan Alexander Boss
Luke Chen
Shengying Chen
Siying Chen
Yue Du
Fang Fang
Han Fu
Chao Gao
Xiaoqi Geng
Austin Hill
Kimberly Erin Hirschhorn
Katherine Libby Hoffman
Diana Farhat Homsy
Abhay Hukku
Robert Vincent Klemmer
Kristine Fang-Lin Lan
Chen Liang
Yuran Liang
Heyun Ma
Jie Ma
Tianwen Ma
Ying Ma
Michelle Therese McNulty
Daniel John Molling
Emily Kathryn Moran
Hieu Huu Nguyen
Emily Roberts
Benjamin Joseph Rooks
Stephen Salerno
Lulu Shang
Woosub Shin
Catherine Susan Smith
Kaixi Song
Nicole I. Wakim
Miao Wang
Andrew Whiteman
Jingyue Xi
Guangyu Yang
Xubo Yue
Yuqi Zhai
Christina Wenling Zhou
Ziwei Zhu
Yongwen Zhuang

Clinical Research
David Coulton Cron
Darya Dabiri
Brian Fry
Katherine He
Jeffrey Lee Nadel

Environmental Health Sciences
Jacob Immanuel Kvasnicka
Luyi Li

Epidemiology
Olivia Lauren McGovern

Nutritional Sciences
Molly Elizabeth Carter
Yifan Shen
Zeyuan Wang
Matthew Wilson

Toxicology
Andrea Francesca Cruz
Joseph Louis Skulsky
Tsu Wei Tasha Gloria Thong

UNIVERSITY OF MICHIGAN-FLINT

Founded in 1956, Susan E. Borrego, Chancellor

COLLEGE OF ARTS AND SCIENCES

Master of Arts

Arts Administration
Kerry L. Bellinger
Mary C. Kelly
Anna M. Schulle

Liberal Studies
Steven W. Bannow
Trina J. Downer
Maris B. Wallag

Master of Public Administration

Shanda L. Bush
Thomas J. Cavalier II
Lashaya D. Darisaw
Wesley A. Gwisdala
Stephanie L. Hackney
John F. McGrath
Samantha K. Miller
Ronda T. Nelson
Doron C. Pratt
Angela D. Pugh
Allison L. Reynolds
Terra D. Riddle
Joseph J. Schipani
Ryan M. Tackabury

UNIVERSITY OF MICHIGAN-DEARBORN

Founded in 1958, Daniel Little, Chancellor

COLLEGE OF ARTS, SCIENCES, AND LETTERS

Master of Arts

Liberal Studies
Julie Mae Walker Altesleben

Master of Public Administration

Candace Cox-Wimberley
Kenneth Vincent Floro
Carol Lynne Furlong
Rae Lynn Harris
Keisha Lynn-Katherine Jackson
Michelle Matchett
Angela Rose Milledge
Christopher Steven Mosetti

Master of Science

Applied and Computational Mathematics
Lourdes Gizelle Guerra
Ehab Abdulla Tarmoom

Environmental Science
William Irwin Johnston
Nicholas Andrew Nalepa
Donald M. Patterson
Anthony Michael Sader

COLLEGE OF EDUCATION, HEALTH, AND HUMAN SERVICES

Master of Arts

Education
Rachel Elizabeth Applebaum
Sarah Elizabeth Boisvert
Kelly L. Carlin
Ann K. Glotfelty
Katlin Anne Macari
Asmahan A. Mashrah
Emily Terese Matash
Natasha Victoria Rondeau
Magdalena Szleszynska
Maria Zambrano

COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

Master of Science

Computer and Information Science
Kulthom Reis Aboali
Sweta Agrawal
Heena Ali Mulla
Neeharika Alla
Dhanyata Balakrishna
Jackie Lynn Cobb
Shantanu Vijayrao Deshmukh
Muhamed Farooq
Aparna Garg
Zhenjie Hao
Steven W. Houren
Greeshma Korupolu
Huaxin Li
Justin L. Mendenhall
Kaila V. Myrick
Akshata S. Nayak
Mahender Pallapu
Akash Pavate
Jeffrey Francis Quesnelle
Vikas Rajendra
Shashank Shivarudrappa
Linxi Zhang
Mohamed Elsayed
Raquel Guadalupe Estrada
Akshay Gala
Sagar Govil
Hillary M. Gregory
Adrian John Guseth
Paul Christopher Hopkins
Matthew K. Looby
Edo Omanovic
David Wynn Philion
Omer Saleh Shaibi

Engineering Management
Christopher Allen Bixler
Praveen Chandra
Daniel M. Clifford
Colton J. Dozier

UNIVERSITY OF MICHIGAN-DEARBORN

Master of Science

Information Systems and Technology

Prini Arora
Sana Asif
Vinuthira Gandhi Chandrasekaran
Amanda Rad Couvillion
Hetal Bharatkumar Dave
Ancilia Dmello
Rajani Mandadi
Selvamani Masilamani
Vijayalakshmi Narasimhan
Jenelle Suzanne Newman
Anuja Pandey
Radhika Abhilash Sawant
Jeffrey Michael Szuma

Program and Project Management

Kevin M. Balcom
Sonam Chauhan
Lee Scott Folgmann
Kelly A. Genzlinger
Swetha Padma Priya Inty
Sreehari Mohanakumar
Mayuri S. Patil
Mark C. Shoaf
David Norman Wood

Software Engineering

Shalini Bansal
Ansaar Beg
Jake M. Bock
Gayathri Ganesan
Bhaskar Konisetty
Shweta Mane
Alexander Taylor Myers
Stephanie Susan Rankin
Joseph Andrew Sisk
Natpinij Sowapart
Shan E. Zehra

Master of Science in Engineering

Automotive Systems Engineering

Venu Vardhan Raju Raju Adluru
Praveen Arshid
Krishnapriya Atluri
Rajat Bansal
Mahesh Chandra Bettenahalli Krishnamurthy
Sunil Bilgi
Sahil Bishnoi
Gautham Reddy Bolla
Atish Bong
Manohar Reddy Chereddy
Sai Kamalnath Chitirala
Venkataeaswararamasurya Avinash Varma Datla
Kaustubh A. Deshpande
Venkata Ramana Murthy Garbham
Ganesh Hassan Muralidhara
Matthew James Hubbard
Sai Raghu Raj Ivaturi
Dhananjay Sainath Joshi
Samip Shrikant Joshi
Calvin B. Joshva
Sai Bhargav Kadempally
Ankit Khurana
Andrew Henry Kokoska
Manoj Michael Kothapalli
Aditya Sanjay Kothari
Tarun Krishna Prabhakar
Adarsh Srinivas Krishnan
Mayuresh Satish Kulkarni
Rohit John Manavalan
Nikhil Manjunath
Pavan Kumar Mavinkere Revanna
Jash Murjani
Paspuleti Rahul Naidu
Rahul Ravi Nair
Sujith Nakka
Kevin Charles Pasch
Rinkesh Patel
Prakash Balasaheb Patil
Vinay Pochu
Charish Putta
Pranava Radha Krishna
Alan Abraham Rajan
Prajwal Rangaswamy
Christopher M. Rawsky
Naga Sachin Rekulapalli
Steven Douglas Schofield
Srinivasan Senthilnathan
Kushal Rajeshkumar Shah
Gurbaksh Singh
Chetan Prathik Srikanta
Pragadeesh Subramaniam Venkatesh
Abhinav Sureshbabu
Neeraj Vasant Takale
Mahendar Thanniru
Sravani Tulasi
Vinoth Kumar Vaithiyam Jankiraman
Sriharsha Vallapuneni
Sanjiv Valsan
Siva Vikranth Vayugundla
Rohit Vedachalam
Revanthbinnu Vunnam
Umang Vyas
Xiaohang Yu

Bioengineering

Kai Duan

Computer Engineering

Steven J. Brettschneider
Bharath Chandrashekhar
Benjamin Michael Dale
Raymond Cuevas Llonillo
Christopher Louis Mikolajewski
Clayton David Northey
Krishnasivani Perugu
Manoj Raut
Brittany Maryanne Smith
Muhammad Tayyab
Anoosh Kumar Reddy Varidhireddy
Durga Venkata Siva Suryaji Yarramsetti

Electrical Engineering

Mohammad H. Badaoui
Trent R. Barkdull
Caitlin Marie Bateson
Ali Akram Bazzi
Mouhamed Salem Bseileh
Akshat Shashikant Deshpande
Aldo Paull D'Orazio
Yi Feng
Nikhilesh Govindarajan
George Ryan Kelly
Guanliang Liu
Qihang Liu
Ruirui Liu
Mostafa Mohamed
Derek R. Napierala
Prajakta Pimple
Shravan Potturu
Frank W. Raffaeli
Ramsamir Ravath
Nabil Sleiman Salame
Mohamad H. Salameh
Neha N. Sant
Zhengshen Shu
Ka Wai Kevin So Zhao
Jiahua Tian
James Douglas Tyler
Fnu Vindhya
Adam L. Wright
Tianbo Xu
Wenli Xu
Yang Yang
Di Yao
Changqi You
Zhaoyu Zhu

Energy Systems Engineering

Ramachandran Ganesh
David Alan Huffman II
Dominic Leo Lanni
Samuel McClure
Venkata Sai Phani Dinakar Nibhanupudi

Master of Science in Engineering

Industrial and Systems Engineering

Vamshi Krishna Addagatla
Alexander G. Ancinec
Jackie Ayoub
Arindam Banerjee
Shreya Danda
Mohamed Ahmed Elmadari
Amandeep Gujral
Sandeep Hariharapura Janardhana
Lisa Victoria Hebert
Jeremy Robert Hilliard
Vardhan Rajendra Ijare
Yingxi Jin
Karthik Yadav Ketham
Sachin Korada
Vishwanath Krishnamoorthy
Ashit Kumar Kulkarni
Omkar Rajendra Kulkarni
Prateek Kulkarni
Abhishek Nagesh Kumbhar
Jiayi Li
Shuosen Li
Aowen Liu
Xiaole Liu
Sheetal Madarapu
Asmita Mehendarge
Kashyap Ashwinkumar Mehta
Srikanth Nagishetty
Abhilash Narla
Paul David Piper
Niranjan Ramesh
Vishwajeet Prakash Ransing
Mayuresh Vijay Savargaonkar
Narendran Sekar
Dishant H. Shah
Mohammed Farahz Siddiqui
Hafiz Abdussaboor Tariq
Yourui Tong
Samrat Vittal
Muhuai Wu
Ying Zhao
Xindi Zou

Manufacturing System Engineering

Peter Botros
Neeraj Sanjay Karmarkar
Anirudh Vijendra Utpat

Mechanical Engineering

Monish Alapati
Abhilash Reddy Babu Reddy
Tomas E. Bacci
Christian Thomas Bach
William P. Baker
Alexandria Marie Basher
Ameya Ganesh Basutkar
Santhosh Bellarpadi Ananthapadmanabha
Hannah Maria Bever
Sruthi Bobba
Craig Bosanko
Michael Shannon Boyle
Michael L. Burke
Bingqi Cao
Avin Weith Castelino
Mani Sarath Chintalapudi
Shalin M. Dhumal
David Neal Doellstedt
Harrison Lee Douglass
William J. Fischer
Nikhil Gadwal Ramesh
Ricardo Granados
Ethan Grossman
Christopher J. Guarracino
Snehit Reddy Gurram
Sophie Elisabeth Hardig
Janarrtanan Jothimurugan
Nicholas R. Kalweit
Timothy Scott Karcher
Sari George Kassar
Neela Kantham Naidu Konisi
Ronald J. Koslakiewicz
Chirantana Kuchimanchi
Jingran Li
Zexun Li
Bharath Prasanna Lokkur
Abhishek Anant Mangoli
Likith Manjegowda
Venkatesh Mantur
Lucas Paul Marshall
Paul Sujeeth Marumudi
John W. McDonald
Sampat Uday Tej Merupula
Aqheel Mohammad
Andrew John Mozer
Sai Rohith Mudduluru
Rahul Konchady Nayak
Narayan Nazare Lakshmeesha
Anthony Joseph Paglialungo
Sankeerth Reddy Pakala
Nicholas Anthony Quatrano
Alan Lane Reintjes
Samrat Sanjay Shinde
Jason Solocinski
Sai Kiran Sridhar
Megan Renee Stabile
Nikhil S. Subramaniam
Michael Stephen Sylvester
Ruchika Tadakala
Ranjith Tallapalli
Christopher W. Thomas
Steven Douglas Upplegger
Raja Vikram Vangala
Venkata Rama Sai Teja Velivela
Sathwik Reddy Venreddy
Nishanthraag Reddy Venuturla
Dawei Wang
Kendra White
Monica Mae Wilson
Linyan Xiang
Yuxiao Zhang

PENNY W. STAMPS SCHOOL OF ART & DESIGN

Founded in 1974, Gunalan Nadarajan, Dean

Master of Design

Integrative Design

Scott Franklin Dailey
Prerna Sunil Dudani
Brandon Richard Keelean
Priyanka Raju Dantuluri

Master of Fine Arts

Art

Stephanie Vania Brown
Robert Joseph Fitzgerald
Brynn Higgins-Stirrup
Brenna K. Murphy

SCHOOL OF KINESIOLOGY

Founded in 1984, Lori Ploutz-Snyder, Dean

Master of Arts

Kinesiology
Mengyang Liu

Master of Science

Kinesiology
Alexa Rae Beemer
Catherine Cheung
Yuemei Lu
Amina Nicole Peters
Jacob Michael Rudock
Jennylee Susannah Thompson Swallow
Jiaqi Wang

Movement Science
Michael Jau-Lan Lee
Joel Licea

Sport Management
Casie Elizabeth Ammerman
Abigail D. Asma
Tiffany Christina Bevel
Rayon Andre Black
Lydia Hope Ellsworth
Thomas Edgar Evans
Matthew Freeman
Griffin Newell Haddad
Alexandra Louise Harrigan
Hongyu Li
Darius Jamar Murray
Alexandra Catherine Norton
Mikaela Elizabeth Pierce
Caroline Elizabeth Winograd
Zhonghu Xing
Sicong Zhang

GERALD R. FORD SCHOOL OF PUBLIC POLICY

Founded in 1995, Michael Barr, Joan and Sanford Weill Dean of Public Policy

Certificate of Graduate Studies

Science, Technology and Public Policy
Tyler J. Cousins
Elizabeth Frances Cloos Dreyer
Gilberto Soria Mendoza
Rachel Leah Wallace

Master of Public Administration

Samir Bejanov
Mukti Deb
Ryan Christopher Moya
Matthew Thomas Nestopoulos
Geila Rajaee
Andrew Todd Sczygielski
Esteban Andres Zolezzi Sanchez

Master of Public Policy

Rodrigo Acevedo
Fandi Achmad
Mohammed Abdulkhaliq A. Alharazi
Nana Agyei Asare
Avery Avrakotos
Muhammad Yahya Javed Bajwa
Hannah Sparks Bauman
Jonathan Edward Beam
Peter Blank
Kate Blessing-Kawamura
Michael Bloem
Daniel Jack Botting
Thuc Bui
Luis Diego Campos
Nikhitha Cheeti
Nathan Christie
Alexandra Leigh Clayton
Desmond Rynn Cole
Anthony Cozart
Angélica De Jesús
Saskia DeVries
Lu Ding
Dina Emam
Kyle Robert Enochs
Martha Lynne Fedorowicz
Diego García Montúfar García
Savenaca Gasaiwai
Andrea Marie Gillespie
Anna Kateri Marie Hansen
Gabrielle Jacqueline Horton
Yucheng Hou
Kayla Hoyer
Juan Ramon Jaimes
Kristina Marie Kaupa
Nicholas McChesney Kelly
Meghan Mary Klaric
Tatsuhiko Koizumi
Matthew Alexander Kretman
Aaron Neil Ledbetter
Anna Christina Lenhart
Olivia Lewis
Meizi Li
Carmille Lim
Mengyu Liu
Anthony Lizarraga
Sarah Michelle Magnelia
Abess Hassan Makki
Ayaz Mammadov
Xiaolu Meng
Luz Viviana Meza
Lydia Jane Miller
Jacqueline Ann Mullen
Erica Muñoz-Rumsey
Jeongmin Oh
Kyle Olsen
Harold Edwin Marnala Panangian
Preston Joseph Parish

GERALD R. FORD SCHOOL OF PUBLIC POLICY

Master of Public Policy

Natalie Anne Peterson
Alana Podolsky
Minahil Raza
Stephanie M. Romàn
Nathaniel Paul Samuelson
Kururama Yananiso Sãnchez
Ginelle Maria De Jesus Sanchez Leos
Larry Justin-Gian Sanders
Tri Setyoningsih
Shireen Nazari Smalley
Gilberto Soria Mendoza
Michael Staggs
Sean Michael Stone
Anna Catherine Strizich
Mariah Lee Van Ermen
Kalia Vang
Melvin Preston Washington II
Masako Watanabe
Naoto Watanabe
Tomoyuki Watanabe
Alexi Williams
Wesley Williams
Carmen Ye
Karen Anne Yocky
Jongeun You
Jessica Youngblood
Allison Brown Zimmermann

UNIVERSITY OF MICHIGAN GRADUATES

August 2018

The following is a preliminary list of the candidates for degrees to be granted upon completion of formal requirements.

HORACE H. RACKHAM SCHOOL OF GRADUATE STUDIES

Founded in 1912, Michael J. Solomon, Interim Dean and Vice Provost for Academic Affairs–Graduate Studies

Certificate of Graduate Studies

Survey Methodology
James Thomas Erbaugh

COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS

Founded in 1841, Andrew D. Martin, Dean

Certificate of Graduate Studies

Science, Technology, and Society
Carla May Dhillon

Master of Arts

Applied Economics
Atsushi Kawakami
Supatthrarat Suphrom
Ivy Tran

Statistics
Amirhossein Meisami

Master of Science

Earth and Environmental Sciences
Gephen Rebecca Sadove

Ecology and Evolutionary Biology
Mariah Kenney

MEDICAL SCHOOL

Founded in 1850, Marschall S. Runge, Dean

Certificate of Graduate Studies

Cellular Biotechnology
Grace Mahony Kroner

Master of Science

Biological Chemistry
JonCarlos Anderson
Ali M. Farhat
Alexander Henry Fischbach
Aditi Gupta

Pharmacology
Siqi Sun

Physiology
Lucas Allen
Abir Sardar Azeem
Christine Byun
Ahmad Jaafar Chehab
Nathan Douglas Cowdin
Grace Egan Denney
Kevin Toni Eid
Kianna Marie Eurick
Reid Fursmidt
William Thomas Gribbin
Joseph John Hellrung, Jr.
Mussa Ibrahim
Vivian Liu
Mollie Nicole Mahoney
David James Miller

MEDICAL SCHOOL

Master of Science

Physiology
Lauren Theresa Mills
Marissa Ray
Bradley Patrick Richey
Joel Rose-Kamprath
Aaron Mitchell Schwark
Merna Falah Sitto
Alaina Marie Skotak
Joshua Michael Szczepanski
Joseph George Taranto
Galloway Andrew Thurston
Raquelle Wilson

SCHOOL OF DENTISTRY

Founded in 1875, Laurie K. McCauley, Dean

Master of Science

Dental Hygiene
Denise Guadiana
Wafaa M. Nabilsi

Endodontics
Carolina Cucco
Hooman Rabiee
Dmitry Vodopyanov
Hassan Yehia

Orthodontics
Sarah Joanne Baxter
Lauren Christine Ehardt
Sara Dean Schutte
Gregory Lee Sencak
Brandon S. Shoukri
Kyle Lemart Taylor

Restorative Dentistry
Najla Neamatallah M. Al Turkestani
Salim Ali S. Algarni
Shawna Lee Jackson

COLLEGE OF ENGINEERING

Founded in 1895, Alec D. Gallimore, Robert J. Vlasic Dean of Engineering

Master of Science

Biomedical Engineering
Natacha Comandante Lou
Claire Elizabeth Tomaszewski

Design Science
Shannon Bonk
Maya Combs-Hurtado
Simonne Dubois
Sally Lin

Naval Architecture and Marine Engineering
Hung-Chun Lin

Nuclear Engineering and Radiological Sciences
Vishnu Pandi Chellapandi

Master of Science in Engineering

Biomedical Engineering
Meghan Marie Capeling
Alissa Marie Ebenhoeh

Chemical Engineering
Alec Ajay Desai

Industrial and Operations Engineering
Daniel Kenneth Lawlor Pippen

A. ALFRED TAUBMAN COLLEGE OF ARCHITECTURE AND URBAN PLANNING

Founded in 1913, Jonathan Massey, Dean

Master of Urban Planning

Urban and Regional Planning
Michelle Bennett Rubin

SCHOOL OF EDUCATION

Founded in 1921, Elizabeth Birr Moje, Dean

Master of Arts

Educational Studies
Subeeta Abdul Majeed
Mark Edward Anderson
Marian G. R. S. Awad
Kelly Elizabeth Bindon
Tara Bowen
Kelsey Meredith Brown
Brandon William Burch
Caleb R. Coon
Kimberly Carol Coughlan
Lorryn Thanh Cruz
Monica Dalmia
Eric Daly
Alexandra Margaret De Loof
Erica Decker
Claire Federhofer
Max David Foehringer Merchant
Cynthia A. Gabriel
Nicholas Peter Gavin
Jacob Daniel Gorski
Melissa Rae Gressman
Erica Elizabeth Halsey
Mayssam Hussein Khorbatly
Marica Zamarron Jurkovic
Nicholas Kaczanowski
Devin Alan Kelsey
Carolyn L. Kodis
Theodore Kuchar
Rebecca Labov
Leila Camille Lester
Shuang Li
Alicia A. Lovejoy
Molly Paisley McClean
Cate McCraw
Ryan Meier
Michael Paul Moody
Bushra Murad
Frances McNamara Nemeroff
James Daniel Newark
Ross Andrew Newman
Olubusayo Oyeyemi Olojo-Adeoye
Eve Palinski
Jeremy Parker
Danielle Nicole Peyerk
Lauren Rose Plotzke
Charles Alexander Posigian
Denise Ann Roark
Nicholas Steven-Nguyen Robbins
Hanna Elizabeth Robey
Matthew Patrick Salgat
Jessica Ashley Scott
Minami Seki
Ryan Jon Silvester
Brandon C. Smith
Alexander James Snow
Ashley Stanley
Courtney Viola Stewart
Jeremy P. Stotz
Hanna Hall Sturgis
Kathleen Rochelle Thompson
Xin Tong
Katie Lynne Torkelson-Regan
John Tsirigotis
Koumei Christensen Tsunoda
Samuel Hawkes Upton
Jacob David Van Oosterhout
Alexandra Lauran Wagner
Emma Lane Waldie
Conall Edward Walsh
Shuxian Wang
Siqi Wang
Emily Nettie Angel Wark
Kathryn Elizabeth Whited
Melanie Maria Wiggins
Jalen Hunton Williams
Sheridin Wright
Liangke Yang

Higher Education
Carolina Dominguez-Burciaga
Reuben Kapp

SCHOOL FOR ENVIRONMENT AND SUSTAINABILITY

Founded in 1927, Jonathan T. Overpeck, Samuel A. Graham Dean

Master of Science

Natural Resources and Environment
Peter Alsip
Erin Michaela Barton
Nicholas Weill Boucher
Qihong Dai
Ho Hsieh
Andrew Kinzer
Chelsea Lia Lisiecki
Jesse Thomas McCarter
Christine Lynn Rickard
Hannah Morgan Schaefer
Bradley Louis Weiss
Yilun Zhao
Huayun Zhou

UNIVERSITY OF MICHIGAN-FLINT

Founded in 1956, Susan E. Borrego, Chancellor

COLLEGE OF ARTS AND SCIENCES

Master of Arts

Arts Administration
Leon C. Collins

Liberal Studies
Joshua Wentz

Master of Public Administration

Maria C. Allen
Tamara M. Bednarski
Bridgett J. Fenner
Dino W. Hines
Rick J. Jones
Krystal L. Miller
Shayne A. Mishler
Lauryn B. Springsteen

UNIVERSITY OF MICHIGAN-DEARBORN

Founded in 1958, Daniel Little, Chancellor

COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

Master of Science

Engineering Management
Ashley Heath
Brianna Jackson

Information Systems Technology
Frank Harvest
William Townes

Program and Project Management
Whitney Holmes

Master of Science in Engineering

Automotive Systems Engineering
Aniket Chandras Jadhav
Priyal Sheth

Electrical Engineering
Tarek Obeid

Mechanical Engineering
Saurabh Mali
Anuj Rathi

GERALD R. FORD SCHOOL OF PUBLIC POLICY

Founded in 1995, Michael Barr, Joan and Sanford Weill Dean of Public Policy

Certificate of Graduate Studies

Science, Technology and Public Policy
Ivy Tran

Master of Public Administration

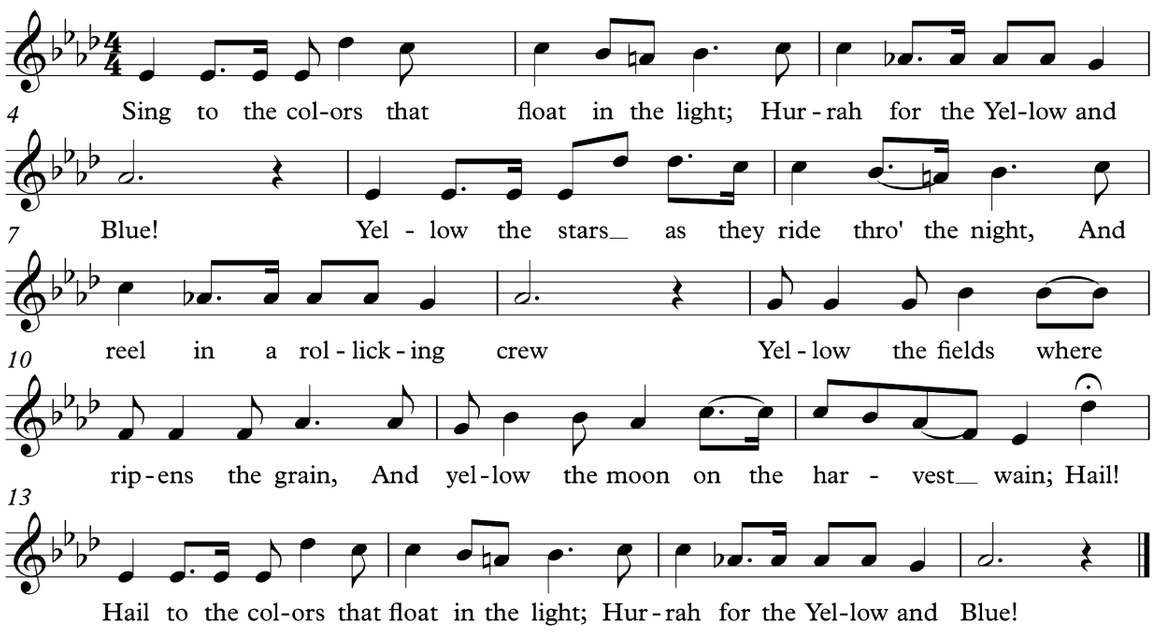
Yeon Ju Shin

Master of Public Policy

Michelle Bennett Rubin
Ivy Tran

The Yellow and Blue

Michael W. Balfe



Statement on Freedom of Speech and Artistic Expression

Thank you for attending this program. The University of Michigan strives to create a truly open forum, one in which diverse opinions can be expressed and heard.

It is the right of members of the University community, speakers, artists, and other invited guests to express their views and opinions at the University. We will protect the right of individuals to speak or perform, and the rights of those members of the University community who wish to hear and communicate with an invited speaker or artist.

Protesters also have a right to express their opposition to a speaker in appropriate ways, both within the confines of this building and outside the facility. However, protesters must not interfere unduly with communication between a speaker or artist and members of the audience.

If the hosts of this event or University representatives believe that protesters are interfering unduly with a speaker or performer's freedom of expression, those protesters will be warned. If the warnings are not heeded and the interference continues, then the individuals responsible may be removed from the building.

We reaffirm these policies in order to most fully protect the rights of free expression for speakers, performers, and protesters alike, as set forth by our Civil Liberties Board in our Student Handbook, and in accordance with the U-M Standard Practice Guide; Regents' Ordinance Article XII, Section 1; and state statutes.

Nondiscrimination Policy Statement

The University of Michigan, as an equal opportunity/affirmative action employer, complies with all applicable federal and state laws regarding nondiscrimination and affirmative action. The University of Michigan is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, national origin, age, marital status, sex, sexual orientation, gender identity, gender expression, disability, religion, height, weight, or veteran status in employment, educational programs and activities, and admissions. Inquiries or complaints may be addressed to the Senior Director for Institutional Equity, and Title IX/Section 504/ADA Coordinator, Office for Institutional Equity, 2072 Administrative Services Building, Ann Arbor, Michigan 48109-1432, 734-763-0235, TTY 734-647-1388, institutional.equity@umich.edu. For other University of Michigan information call 734-764-1817.

Comments? Contact us at rackhamgraduateexercises@umich.edu

SFI label applies to text stock