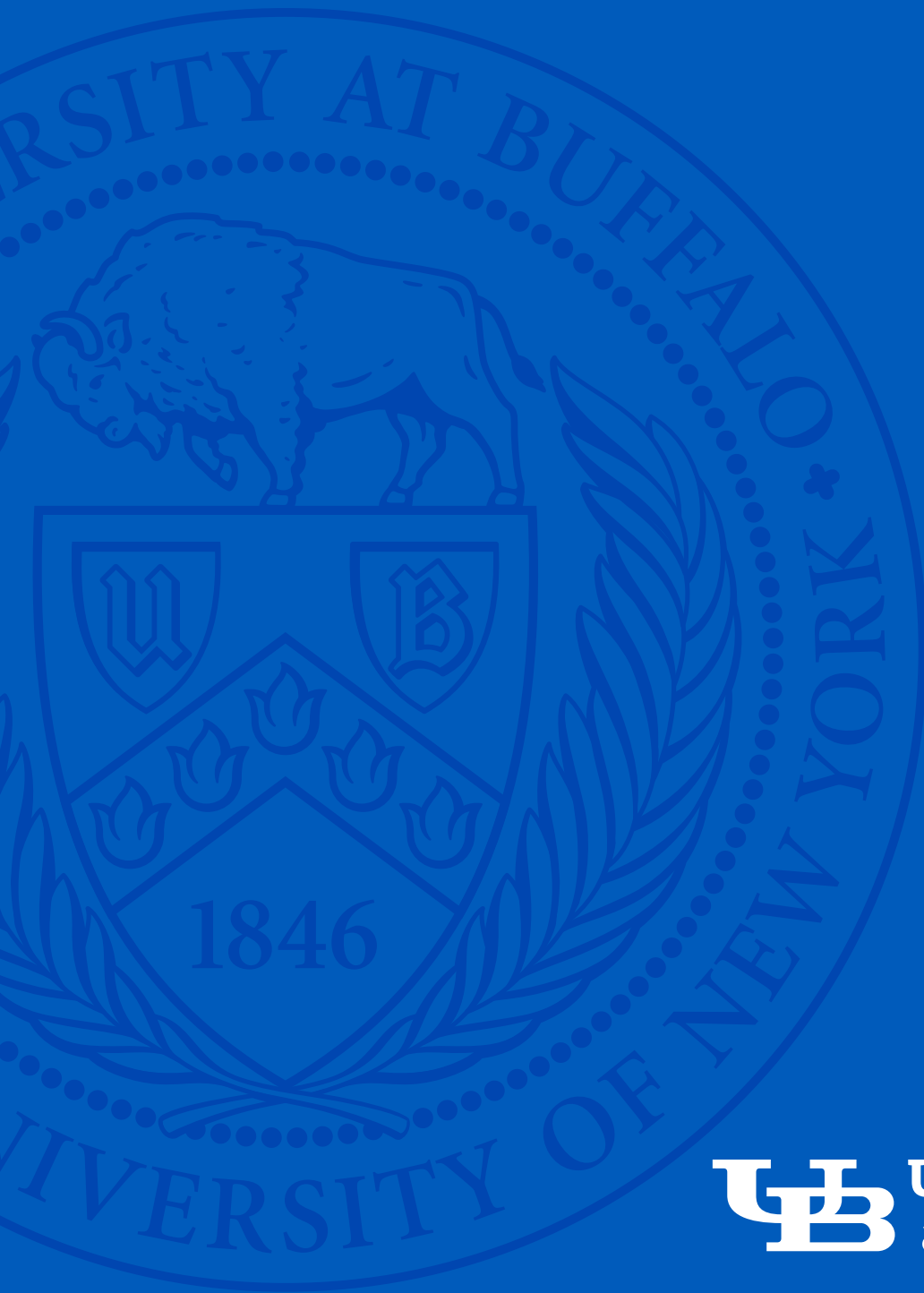


# 2021



**UB** University  
at Buffalo®

**175**  
1846  2021

ONE HUNDRED AND SEVENTY-FIFTH ANNUAL



SCHOOL OF ENGINEERING AND APPLIED SCIENCES  
**COMMENCEMENT**  
GRADUATE CEREMONY

Friday

May 14, 2021

1:00 PM

UB Stadium

North Campus

Kemper E. Lewis

*Dean*



# Program

## Selections from Pomp & Circumstance

*by Edward Elgar*

## Opening Declaration

Robert S. Miletich

*Mace Bearer, Chair of the Faculty Senate  
and Professor of Nuclear Medicine and  
Neurology*

## Welcome

Jeffrey R. Errington

*Associate Dean for Undergraduate  
Education, School of Engineering and  
Applied Sciences*

## National Anthem

Anna Fernandez, BFA '21

## Introductions

Jeffrey R. Errington

## Greetings

A. Scott Weber

*Provost and Executive Vice President for  
Academic Affairs*

## Remarks

Kemper E. Lewis

*Dean, Moog Professor of Innovation  
School of Engineering and Applied Sciences*

## Dean's Award for Achievement

John K. Schneider, PhD '90

*Vice President of Technology for  
Qualcomm*

## Student Address

Barnard Uche Onyenucheya, PhD '21

## Conferring of Degrees

Provost Weber

## Alumni Welcome

Jordan Walbesser

*President, UB Engineering and Applied  
Sciences Alumni Association*

## Alma Mater

Anna Fernandez, BFA '21

## Closing Declaration

Robert S. Miletich

## Selections from Pomp & Circumstance

*by Edward Elgar*

## SUNY Trustee and UB Officials

### Eunice Ashman Lewin

*Member of the State University of New York Board of Trustees*



President and co-founder of Impacto Consulting Associates, Eunice Ashman Lewin joined the SUNY Board of Trustees in February 2010. She helped reinstate the Student Life Committee, on which she is co-chair. In that capacity,

she spearheaded the creation of the Food Insecurity and the Mental Health task forces. Lewin serves on the board's Executive Committee and the committees for academic affairs, communications and external affairs, community colleges, and academic medical centers and hospitals.

A former commissioner of the Niagara Frontier Transportation Authority, Lewin was a founding member of the Roswell Park Alliance and a board member of the Buffalo Urban League and Hispanics United of Buffalo. She is a member of the Hispanic Women's League and the Greater Buffalo Racial Equity Roundtable. Earlier this year, she was named to the Western New York Health Equity Task Force to coordinate vaccine distribution for the region's counties.

A retired bilingual social worker for the Buffalo Board of Education, Lewin is a champion for STEM education.

Born in Guantanamo, Cuba, Lewin immigrated to the U.S. with her family in 1967. She holds a bachelor's degree in sociology from Marymount Manhattan College and master's degrees in American and Puerto Rican studies, and in educational administration, from UB.

### Jeremy M. Jacobs

*Chairman of the University at Buffalo Council*



Jeremy M. Jacobs was appointed to the UB Council in 1997; in 1998, then-Gov. George Pataki named him chairman. Jacobs is chairman of Delaware North, a global hospitality company with customers in the United

States, Australia, New Zealand and the United Kingdom. The company's operations include food and retail at airports and sports venues, sports facility ownership and management, operations of parks and major tourist attractions, hotel ownership and management, gaming operations and fine dining.

Jacobs owns the Boston Bruins and serves as chairman of the National Hockey League's Board of Governors. In 2018, he received the sport's highest honor when he was inducted into the Hockey Hall of Fame.

An alumnus of UB's School of Management and Harvard Business School's Advanced Management Program, Jacobs holds honorary doctorates in humane letters from UB, Canisius College, Niagara University and Johnson & Wales University. In 2015, his family donated \$30 million to advance UB's medical school, which was renamed the Jacobs School of Medicine and Biomedical Sciences.

Jacobs has served Western New York for more than four decades with his business expertise and philanthropic leadership, and Delaware North has received multiple awards for social responsibility, community service and environmental stewardship.

A longtime friend and supporter of UB, Jacobs has served as chairman, trustee and director of the UB Foundation, chairman of the President's Board of Visitors and adviser to the School of Management.

### Satish K. Tripathi

*University President*



An internationally distinguished researcher and higher education leader, Satish K. Tripathi, PhD, is the University at Buffalo's 15th president.

Tripathi, who served as UB's provost from 2004-2011, was dean of the Bourns College of Engineering at the University of California-Riverside from 1997-2004. Previously, he spent 19 years as professor of computer science at the University of Maryland, including seven years as department chair.

Tripathi graduated at the top of his class from Banaras Hindu University (BHU). He holds a master's degree and a doctorate in computer science from the University of Toronto, as well as master's degrees in statistics from the University of Alberta and BHU. A fellow of the IEEE and the American Association for the Advancement of Science, he holds honorary doctorates from the Indian Institute of Information Technology, Allahabad, and Brock University in Canada.

A leader in the national higher education community, Tripathi serves as chair of the Mid-American Conference Council of Presidents and on the boards of the NCAA Division I, NCAA Board of Governors and College Football Playoff Board of Managers. A member of Gov. Andrew Cuomo's Reimagine NY Commission, he has served on the boards of the Association of American Universities, the Association of Public and Land-Grant Universities and the Council for Higher Education Accreditation. In 2011, Gov. Cuomo appointed Tripathi inaugural co-chair of the Western New York Regional Economic Development Council, a position he held until 2017.

## A. Scott Weber

*Provost and Executive Vice President  
for Academic Affairs*



As provost and executive vice president for academic affairs, A. Scott Weber, PhD, serves as the university's chief academic officer, responsible for leading the development and implementation of the

university's academic vision. Weber provides leadership across the academic enterprise including research, scholarship and creative activities; undergraduate, graduate, professional and international education; faculty development; diversity and inclusion initiatives; and university libraries.

A member of UB's faculty since 1983, Weber is an innovative scholar and teacher and former chair of UB's Department of Civil, Structural and Environmental Engineering, where he helped establish UB's transportation engineering program and oversaw the department's significant rise in national rankings among U.S civil engineering programs. Weber has held progressively responsible administrative roles at UB, including senior vice provost and vice provost for academic affairs, where he was instrumental in the creation of the UB Curriculum and the nationally recognized Finish in 4 program; and vice president for student life, where he focused on enhancing the student experience on campus and promoting overall student wellness.

Weber's research focuses on biodegradation of chemicals in water and soil and the reclamation of environmentally impacted brownfield sites. He earned bachelor's and master's of science degrees in civil engineering from Virginia Polytechnical Institute and a PhD in civil engineering from the University of California, Davis.

## Graham L. Hammill

*Vice Provost for Academic Affairs and  
Dean of the Graduate School*



A well-regarded humanities scholar, Graham L. Hammill, PhD, is the University at Buffalo's vice provost for academic affairs and dean of the Graduate School.

A professor in the UB Department of English and former department chair, Hammill focuses his research on early modern British literature, political thought and the history of sexuality. He is the author of "Sexuality and Form: Caravaggio, Marlowe, and Bacon" (2000) and "The Mosaic Constitution: Political Theology and Imagination from Machiavelli to Milton" (2012), and the editor of three essay collections. His articles have appeared in numerous journals, and he currently serves on the editorial boards of Postmodern Culture and The Spenser Review.

Hammill currently serves on the board of directors of the Council of Graduate Schools. He has previously served as president of the International Spenser Society (2014-16), chair of the MLA Executive Committee for the Division on Renaissance Literature (2015) and chair of the MLA Executive Committee on Psychological Approaches to Literature (2008-09). He is the recipient of many awards and grants, including a UB Humanities Institute Research Fellowship (2012-13) and a Kaneb Center Award for Excellence in Teaching from the University of Notre Dame (2006).

Before arriving at UB in 2008, Hammill spent 13 years as a professor of English at the University of Notre Dame. A Louisiana native, he earned his PhD from Duke University.

## Kemper E. Lewis

*Dean of the School of Engineering and  
Applied Sciences*



Kemper E. Lewis, PhD, MBA, and dean of UB's School of Engineering and Applied Sciences, is a global leader in engineering design, system optimization and advanced manufacturing. He is also the Moog Professor of Innovation in

the Department of Mechanical and Aerospace Engineering, and served as department chair prior to being named dean in 2020.

Lewis is also the director of UB's Community of Excellence in Sustainable Manufacturing and Advanced Robotic Technologies (SMART), an initiative that harnesses the strengths of faculty across the university to develop advanced manufacturing and design processes including autonomy, intelligence and materials technologies.

He is a Fellow of the American Society of Mechanical Engineers (ASME), and has served on the National Academies Panel on Benchmarking the Research Competitiveness of the United States in Mechanical Engineering. He has published over 200 refereed journal articles and conference proceedings and has been principal or co-principal investigator on grants totaling more than \$18 million.

Active in the profession, Lewis was also the chair of the ASME's Mechanical Engineering Department Head Executive Committee. He has received numerous awards in recognition of his teaching and research excellence from several professional societies, including ASME, the Society of Automotive Engineers, the American Society for Engineering Education, and the American Institute of Aeronautics and Astronautics.

Lewis joined UB in 1996. He earned a BS in mechanical engineering and a BA in mathematics from Duke University, his MS and PhD in mechanical engineering from Georgia Tech, and an MBA from UB.

# Dean's Award for Achievement

## John K. Schneider, PhD '90

*Vice President of Technology for Qualcomm*



Each year, the School of Engineering and Applied Sciences gives its highest honor, the Dean's Award for Achievement, to someone who has made a substantial contribution to the practice of engineering or the applied sciences and/or has had an exceptional professional career. This year, it is with great pleasure that the school honors John K. Schneider, PhD.

Schneider currently serves as Vice President of Technology for Qualcomm, a multibillion-dollar corporation where he is developing the next generation of wearable technology for a variety of health care initiatives.

Schneider graduated from the University of Buffalo in 1990 with a PhD in electrical engineering. He later founded Ultra-Scan Corporation, where for the next 24 years, he focused on pioneering the use of high frequency ultrasound for fingerprint identification. In 2013, his company was acquired by Qualcomm Corporation and his fingerprint sensor technology is now deployed in a variety of smartphones such as the Samsung Galaxy S10 and S21.

He has received over 250 patents and has authored several papers and textbooks related to fingerprint identification. In August 2012, Schneider's technology received FBI certification, having the distinction of being the only non-optical 4-finger sensor to receive such certification in the history of the industry. Schneider has served as a research scientist for government agencies including NASA, the United States Army, the U.S. Drug Enforcement Agency, the Federal Bureau of Investigation and the U.S. Special Operations Command.

In 2013, he was elevated to Biometric Fellow by the Institute of Electrical and Electronic Engineers and in 2014, his company Ultra-Scan was inducted into the Small Business Innovation Research (SBIR) Hall of Fame. The award honors those firms judged to exemplify notable lifetime achievement in innovative research; an award which Schneider received at the White House.

Schneider has been an adjunct professor in the Department of Electrical Engineering since 1989. In 2013, he was the recipient of the prestigious Clifford C. Furnas Memorial Award from the University at Buffalo, which is presented to individuals who have distinguished themselves in a field of science, thereby bringing honor to the university. He has actively supported UB throughout his career, and his son followed in his footsteps, earning his BS in 2014, MS in 2016 and PhD in 2018, all in electrical engineering.

The University at Buffalo is honored to recognize John K. Schneider once again as an alumnus of great distinction, whose career achievements merit our highest regard.

# Past Recipients of the Dean's Award for Achievement

1978

James W. McLernon, BS IE 1950, DocHL (Hon) 1998  
*President, Volkswagen Manufacturing Corporation of America*

1979

Wilson Greatbatch, MS EE 1956, ScD (Hon) 1984  
*President, Wilson Greatbatch, Limited*

1980

Paul E. Mohn  
*Professor Emeritus and former Dean School of Engineering and Applied Sciences University at Buffalo*

1981

James DeSerio  
*President, DeSerio Engineers*

1982

Martin Kasbohm  
*Director, Research and Development Linde Division, Union Carbide Corporation*

1983

Charles M. Fogel, BS PHY 1935  
*Professor and Director of Industrial Liaison School of Engineering and Applied Sciences University at Buffalo*

1984

William C. Moog, Jr.  
*Chairman and President, Moog, Incorporated*

1985

Howard E. Strauss, MS ME 1954  
*Professor and Associate Dean School of Engineering and Applied Sciences University at Buffalo*

1986

Gregory B. Jarvis, BS EE 1967,  
*Awarded Posthumously Hughes Aircraft Company NASA Payload Specialist*

1987

H. Robert Leland  
*President, Calspan Corporation*

1988

Henry P. Semmelhack  
*President, Barrister Information Systems Corporation*

1989

Gerald D. Albertson  
*Vice-President, Linde Division, Union Carbide Corporation*

1990

Ray W. Judson  
*President, The Parsons Corporation*

1991

Sol W. Weller  
*Furnas Professor Emeritus School of Engineering and Applied Sciences University at Buffalo*

1992

Lee H. Runk, BS IE 1961  
*President, Harvard Industries, Inc.*

1993

Irving H. Shames  
*Distinguished Teaching Professor Emeritus School of Engineering and Applied Sciences University at Buffalo*

1994

Robert H. Goldsmith, BS ME 1951  
*Chairman, President and Chief Executive Officer Exten Industries, Inc.*

1995

Hatim A. Tyabji, MS EE 1969, DocHL (Hon) 2001  
*Chairman, President and Chief Executive Officer VeriFone, Inc.*

1996

Anthony L. Russo, PhD ME 1969  
*Executive Director Calspan-University at Buffalo Research Center (CUBRC) Vice President Calspan Corporation's Advanced Technology Center*

1997

Calvin C. Chien, MS CIE 1970, PhD CIE 1974  
*Environmental Fellow, DuPont Company*

1998

Hiroshi Morihara, PhD ME 1971  
*Chairman and Chief Executive Officer, Peninsula Laboratories, Inc. President, Via Press, Inc. President, CGC, Inc.*

1999

Eli Ruckenstein  
*Distinguished Professor Department of Chemical Engineering School of Engineering and Applied Sciences University at Buffalo John Zahorjan, PhD IE 1974 Adjunct Professor Department of Industrial Engineering School of Engineering and Applied Sciences University at Buffalo*

2000

Erich Bloch, BS EE 1952, ScD (Hon) 1985  
*Distinguished Fellow, Council on Competitiveness Principal, Washington Advisory Group, LLC*

2001

Henry Stone, BS ME 1949  
*Vice President, retired, General Electric*

2002

Lawrence L. Peckham, BS IE 1969  
*Founder, LPA Associates*



## Past Recipients of the Dean's Award for Achievement

2003

Hadi Makarechian, BS CIE 1972  
*Chairman, President and  
Chief Executive Officer  
Capital Pacific Holdings, Inc.*

2004

George C. Lee  
*Samuel P. Capen Professor of Engineering  
and Dean Emeritus  
School of Engineering and Applied Sciences  
University at Buffalo*

2005

Steven L. Lerner  
*Senior Vice President and  
Chief Technology Officer Praxair*

2006

Douglas P. Taylor, BS ME 1971  
*President, Taylor Devices, Inc.  
President, Tayco Developments, Inc.*

2007

Mark H. Karwan  
*Professor and Dean Emeritus  
School of Engineering and Applied Sciences  
University at Buffalo*

2008

Norman R. McCombs, BS ME 1968  
*Senior Vice President  
AirSep Corporation*

2009

Gina Bronkie Hammond, MS CS 1973  
*Director, Computer Science Corporation's  
North America Public Sector, Defense Division*

2010

Russell L. Agrusa, BS EE 1976  
*Founder, President, and Chief Executive  
Officer ICONICS*

2011

Scott D. Stevens, PE, BS CIE 1979  
*Founder and Chief Executive Officer  
Dimension Fabricators, Inc.*

2012

James P. Smist, BS CE 1980  
*President  
Dean and Company*

2013

John R. "Jack" Davis, BS IE 1955  
*Founder and Owner  
I Squared R Element Company, Inc.*

2014

Stephen E. Still, BS CIE 1976  
*Founder and Managing Director, Seabury  
Airline Planning Group, LLC*

2015

Krishna Kolluri, MS IE 1988  
*General Partner  
New Enterprise Associates*

2016

Norman Hayes, BS EE & BA CS 1980  
*Director of ASIC Engineering, Analog Bits*

2017

Ann Wegrzyn, BS IE 1985, MBA 1990  
*CIO, National Fuel Gas*

2018

Gina Lee-Glauser, BS MAE 1982, MS MAE 1988  
*Vice President for Research and  
Scholarship, Clarkson University*

2019

Jonathan Watts, P.E., BS IE 2000, BS CIE 2003  
*Vice President, Watts Architecture and  
Engineering*

2020

Robert G. Harrison, P.E. BS ME  
*Vice President Engineering and Construction  
Transmission Developers, Inc.*

## Student Speaker

**Barnard Uche Onyenucheya**  
*Doctor of Philosophy in Electrical Engineering*



Barnard Uche Onyenucheya of the Bronx, N.Y. graduates with a Doctor of Philosophy in electrical engineering. A four-year letter winner on the University at Buffalo men's basketball team,

Barnard received both his Bachelor of Science and Master of Science degrees from the University at Buffalo. Barnard was a recipient of the National Science Foundation Bridge to the Doctorate Fellowship. He is the co-founder of the Engineering Cooperative Society, which funds and provides outreach to underrepresented STEM students. Barnard is also the founder of a creative engineering solutions start-up called Epsilon Blue LLC.

## Alumni Speaker

**Jordan Walbesser**  
*President, UB Engineering and Applied Sciences Alumni Association*



Jordan Walbesser is a proud University at Buffalo graduate with degrees in both computer engineering (BS '07) and law (JD '10). Starting in telecommunications at Intel, Jordan has worked with various companies

on projects ranging from healthcare to technology transfer. After attending law school, Jordan worked as an associate at a private law firm focusing on intellectual property, contracts, licenses, privacy, and technology. Throughout his legal career, he developed an expertise for working with entrepreneurs and startups around the world. He counts many of Buffalo's premier startups as former clients and remains active in the local startup community. Jordan is currently in-house counsel for Mattel where he handles strategic partnerships, intellectual property, software development, and other technology matters. Jordan joined the UBEEA board in 2016 as a way to give back. Now as president, Jordan hopes to expand the mutually beneficial relationship between the School of Engineering and its global alumni community in order to support future engineers at UB.

# School Leadership and Distinguished Faculty

## Dean

Kemper E. Lewis  
*Dean and Moog Professor of Innovation*

## Associate Deans

Rajan Batta  
*Associate Dean for Faculty Affairs and Diversity, SUNY Distinguished Professor, Industrial and Systems Engineering*

Jeffrey R. Errington  
*Associate Dean for Undergraduate Education, Chemical and Biological Engineering*

Shambhu Upadhyaya  
*Associate Dean for Research and Graduate Education, Computer Science and Engineering*

Christine A. Human  
*Associate Dean for Accreditation and Student Affairs, Civil, Structural and Environmental Engineering*

## Department Chairs

Joseph F. Atkinson  
*Civil, Structural and Environmental Engineering*

Jonathan P. Bird  
*Electrical Engineering*

Francine Battaglia  
*Mechanical and Aerospace Engineering*

Carl R. Lund  
*Engineering Education*

Victor L. Paquet  
*Industrial and Systems Engineering*

Chunming Qiao  
*Computer Science and Engineering*

Krishna Rajan  
*Materials Design and Innovation*

Mark T. Swihart  
*Chemical and Biological Engineering*

Albert H. Titus  
*Biomedical Engineering*

## SUNY Distinguished Professors

Stylianos Andreadis  
*Chemical and Biological Engineering*

Rajan Batta  
*Industrial and Systems Engineering*

Michel Bruneau  
*Civil, Structural and Environmental Engineering*

Michael C. Constantinou  
*Civil, Structural and Environmental Engineering*

John Crassidis  
*Mechanical and Aerospace Engineering*

Amit Goyal  
*Chemical and Biological Engineering*

Venugopal Govindaraju  
*Computer Science and Engineering*

David A. Kofke  
*Chemical and Biological Engineering*

Vladimir Mitin  
*Electrical Engineering*

Chunming Qiao  
*Computer Science and Engineering*

Krishna Rajan  
*Materials Design and Innovation*

Sargur N. Srihari  
*Computer Science and Engineering*

Andrew S. Whittaker  
*Civil, Structural and Environmental Engineering*

## SUNY Distinguished Teaching Professors

Mark H. Karwan  
*Industrial and Systems Engineering*

Carl R. Lund  
*Chemical and Biological Engineering*

Joseph C. Mollendorf  
*Mechanical and Aerospace Engineering*

Johannes M. Nitsche  
*Chemical and Biological Engineering*

# School of Engineering and Applied Sciences Dean's Advisory Council

Michael J. Cadigan\*, Chair  
*Senior Vice President, Worldwide Sales and Customer Engagement, Globalfoundries*

Patrick F. Abrami\*  
*Partner and Consultant, Applied Management Systems*

Russell L. Agrusa\*  
*Founder, President and CEO, ICONICS, Inc.*

Paul Ameis\*  
*General Manager, Lockport VanDeMark*

Ron Benczkowski\*  
*Vice President-Engineering, Moog, Inc., Space and Defense Group*

Nathan Bolt\*  
*Project Engineer, Turner Construction*

James Chou\*  
*Chief Technology Officer, Kabbage, Inc.*

Daniel D'Angelo, P.E.\*  
*Principal Civil Engineer, Applied Research Associates*

Dennis Elsenbeck\*  
*Head of Energy and Sustainability, Energy Consulting Services, Phillips Lytle LLP*

Judy Feldman  
*Executive Vice President, Chief Information Officer, Value Centric*

Robert Girardi\*  
*Retired, former President and CEO of SoftTrek*

Karianne Gomez\*  
*Vice President of Strategic Value at the Network of Executive Women*

Robert G. Harrison, P.E.\*  
*Vice President of Engineering and Construction, Transmission Developers, Inc.*

Cynthia A. Hoover, PhD\*  
*Executive Director, Linde*

Rob Jacoby\*  
*Consultant to the Energy Industry*

Joe Kessler, P.E.\*  
*Chief Operating Officer, New York Power Authority*

Anil Kshirsagar\*  
*Executive Chair, CAPIOT Software, Inc*

Gina Lee-Glauser\*  
*Vice President for Research and Scholarship; Provost Office at Clarkson University*

Jeff Markin\*  
*Chief Operating Officer, eHealth Technologies*

Susan R. Nowicki  
*Director of Engineering, Northrop Grumman Amherst Systems*

Mark Santoro\*  
*Principal Engineering Fellow for Space and Airborne Systems, Hardware Engineering Center, Raytheon*

Ashish Shah, PhD\*  
*Vice President of Research and Development, Viant, Inc.*

Alice Smith  
*Joe W. Forehand/Accenture Distinguished Professor of the Industrial and Systems Engineering Department, Auburn University*

Stephen E. Still, PhD\*  
*Retired. Former co-founder and consultant, Seabury Airline Planning Group LLC*

Subbarao Vanka\*  
*President, NW Engineering Consultants, Inc.*

Jonathan Watts, P.E.\*  
*Vice President, Watts Architecture & Engineering DPC*

Candace Yano  
*Gary & Sherron Kalbach Chair in Business Administration and Professor of Operations and Information Technology Management, University of California, Berkeley*

\*School alumna/alumnus

# Candidates for Degrees

*Subject to the completion of all degree requirements, degrees will be conferred as indicated upon those individuals listed herein who were identified by April 3, 2021, and upon such others as may meet the requirements of their respective degrees. Candidates are listed according to actual date of degree conferral (August 2020, February 2021 and June 2021).*

## Academic Recognition Items

### **The Blue and Gold Cord/Delta Alpha Pi Pin**

This cord or pin was received by graduating members of Delta Alpha Pi, an international academic honor society for college/university students with disabilities.

### **The Gold Cord**

This cord is awarded to students who are graduating with Latin honors.

### **The Grey and Red Stole**

This stole was received by students who are University Honors College graduates.

### **The SUNY Chancellor's Medallion**

This medallion was presented to recipients of the SUNY Chancellor's Award for Student Excellence. They were selected for this award based on their academic excellence and extracurricular involvement.

### **The WNY Prosperity Fellowship Medallion**

This medallion was received by graduating WNY Prosperity Fellows. They were selected for this fellowship based on their commitment and demonstrated potential to positively impact WNY's economic development and sustainability.

## Non-Academic, University-Wide Recognition Items

### **The Kente Stole**

This stole was received by students who participated in UB's ALANA Celebration of Achievement which historically has honored graduating African, Latino/a, Asian and Native American students.

### **The Rainbow Tassel**

This tassel was received by students who participated in the Lavender Ceremony, celebrating achievements of graduating students who identify with the Lesbian, Gay, Bisexual, Transgender and Queer community at UB.

### **The Red, White and Blue Cord**

This cord is being worn by graduating UB students who are reservists, members of the National Guard, newly commissioned officers or veterans of the United States armed forces.

# Master's Degrees

## Recommending Candidates for Degrees

Kemper Lewis  
*Dean*

## Master of Engineering in Chemical Engineering

August 2020  
Anthony Alves

February 2021  
Michael J. Bruno  
Thomas Joseph Lyga  
Nika Rajabian

June 2021  
Edwin Kankam  
Nivethitha Srinivaas  
Sarah J. Thompson

## Master of Engineering in Industrial Engineering

August 2020  
Karan Dinesh

February 2021  
Islam Ahmed Ramadan Abdelmotalib  
Clifford Paul Bhasker  
Geoffrey Martin Chadwick  
Kam Kyi Chow  
Madison Maria Cook  
Philip Lawrence D'Angelo  
Jonathan Peter Fronczak  
Ryan K. Kuhlmann  
Matthew Avery McGovern  
Douglas Newstein  
Hemalatha Palanivel  
Rinaben Patel  
Stephanie Piggins  
Shalyn C. Sherriff  
Aashish Talwar

June 2021  
Giselle Mariah Ashby  
Lokesh Baral  
Andrew J. Boze  
Megan Mary Burkarski  
Veer Chappidi  
Agnieszka Weronika Chrzan-Glazewski  
Sevack Danadian  
Cory Davis  
Igor Dmitriev  
Rebecca Hansen  
Nora Istrefi  
James Robert Jaskula  
Mohamed T. Kawy  
Mitchell Ian Lezynski  
Robyn Beth Lippa  
Shawn Douglas Marseille  
Edwin Rene Merchan  
Sarah Naiotfi  
Theodore Pitera III  
Michael Primerano  
Parmveer Singh Ratth  
Mackenzie Ruff  
Anthony Runk  
Thomas William Ryan  
Peter Sanders  
Morgan LaShae Scott  
Robert Gerard Stevens  
Ben Stilson  
Zhuangcheng Zheng

## Master of Professional Studies in Data Sciences & Applications

August 2020  
Ira Kyle Chan  
Wen Yu Chang  
Xuhui Chen  
Georgius Aland Abibenar Feltama  
Mark Gordon  
Zachary Addison Kaplan  
Haofeng Li  
Song Lin  
Shuo Qiang  
Huiyi Shen  
Christopher A. Wade  
Zizhou Zhou

February 2021  
Jin Chen  
Akshay Singh Gehlot  
Ayesha Ismail Kazi  
Jason Patrick Klotz  
Anil Kumar Kunchala  
Sai Lone

## Master of Science in Aerospace Engineering

August 2020  
Ryan Binh Nguyen

February 2021  
Luke Williams Joy  
Alexander Kyriacopoulos  
Emanuel Malof  
Eric Niedermeier  
Kayode Dayo Olorunfemi  
Hasan Raza

June 2021  
Travis Blodgett  
Derek Bourabah  
Timothy Dubill  
Qian Ma  
Jason Ning  
Brandon Parker  
Jeffrey Su

## Master of Science in Biomedical Engineering

August 2020  
Atticus Michael Dennis  
Rajeswari Ghosh  
Zoe Herrick  
Hailey Kilian  
Josheen Mariam Jacob  
Lauren Shepard  
Kanhao Zhao

# Master's Degrees

## February 2021

Manvitha Arvapalli  
Freideric Wolfgang Handelmann  
Welby Paul Kalapurackal  
Avinash Kammardi Shashiprakash  
Leema Krishna Murali  
Nicholas Lucarelli  
Srinidhi Nagarajan  
Suzanna Williams  
Shiqi Zhou

## June 2021

Sadhya Achanta  
Gary Aquila  
Naval Avasthi  
Ram Nath Batta  
Kiranmayee Bavanasi  
Aditya Ashok Bhosale  
JonPaul Bonsignore  
Rakesh Amraram Choudhary  
Sirihaas Gaddipati  
Russell Garcia  
Ashley Hudson  
Theophilus Lartey  
Diana Lee  
Christine Li  
Kelly Mackey  
Davie Rhaja Mariano  
Soham Sharad More  
Anagha Murli Kashyap  
Jacob Owczarzak  
Rose Claire Pajek  
Anushka Pandey  
David Powell  
Sibi Ramachandran  
Jonathan Rusch  
Shilpashree Saha  
Jesse D. Schmitz  
Tripta Anupkumar Sharma  
Sneha Sudhakar Karanth  
Javier Trifundio  
Brian Wong  
Nicholas Young  
Haley Ryann Zebraski

## Master of Science in Chemical Engineering

### August 2020

Mohammed Abdulaziz A Bin Daej  
Jacob J. Brooks  
Erda Deng  
Sandeep Kumar Dhandapani  
Christian Ferger  
Stephen Keegan  
Ashritha Mandava  
Samaneh Moghadasi Boroujeni  
Aatish Pradhan  
Shema Rachel Abraham  
Xiaoyang Shu  
Vishal Tuli  
Chao Xue  
Osama Yousef

### February 2021

Viswa Phani Srinivas Marthi  
Chintan Shah  
Joshua J. Sokolowski  
Ming Yang  
Zhixin Zong

### June 2021

Yuxin Bao  
Dhairya Nilesh Chheda  
Alexander Chiang  
Taylor Congdon  
Siyu Cui  
Kevin Giewont  
Leonardo Gobbato  
Suting Huang  
Yancheng Jiang  
Abrar Hussain Kondkar  
Xiao Ci Lin  
Vishvajeet Vijay Mane  
Shaheer Iqbal Ahmad Momin  
Ngoc Thi My Nguyen  
Nicholas Rai  
Satyarit Rao  
Darius Raihan Rub  
Mihir Ragesh Shah  
Sirhan Rashid  
Kun-Hung Tsai  
Bingzhang Zhang

## Master of Science in Civil Engineering

### August 2020

Angel Rodrigo Angulo Calderon  
Mohamed Ezz Abdelmoneim Elsayed  
Narciso Antonio Morales Alarcon  
Rupsa Roy  
Juan Gustavo Salado Castillo  
Nikhil Sharma

### February 2021

Carlos Manuel Abreu  
Sheikh Shahriar Ahmed  
Francis Richard Castelluccio  
Orestes Omar Conde Jr.  
Shahmahmood Faizi  
Justin Gerace  
Raymond P. Hilly  
Viraj Lalit Jain  
Amith Jayan  
Timothy Lawrence Josephs  
Sara McMonagle  
Luis Miguel Medina Durand  
John B. Murphy  
Nathan Rising  
Jorge Miguel Romero Loyola  
Nadeem Akhtar Shafique Ahmed Sayyad  
Jon Paul Wardner

### June 2021

Muataz Khalid Abed  
Mohammad Albayed  
Sina Basereh  
Chanakya Sai Reddy Bhimoreddy  
Paolo Romario Bourdeau  
John Healy  
Thomas John Held  
Yuanyuan Jia  
Robert Charles Krieger III  
Akirah Victoria Matthews  
Andrew David McCoy  
James Douglas Mckeehan  
Wakil Pranto  
Runhong Qiu  
Zihni Simsek  
Priya Singh  
Rohan Hireen Tanna  
Anshul Yadav  
Xinrui Yi

## Master of Science in Computer Science and Engineering

### August 2020

Mohna Chakraborty  
Lakshmi Chaitanya Chapala  
Chandani Jaiswal  
Julian Malina  
Abhishek Kumar Mishra  
Sheryl Evangelene Pulikandala  
Hao Shi  
Chong Tian  
Wei Wang  
Yijiang Wang  
Yizhan Wu  
Nannan Zhai  
Yuchen Zhang

### February 2021

Rohit Aggarwal  
Sai Kumar Aindla  
Teja Akasapu  
Uneeth Akula  
Kunal Reddy Aleti  
Nicholas Joseph Alterio  
Aman Johar  
Srikanth Ammineni  
Ankit Anand  
Srijith Balachander  
Aswin Shakil Balasubramanian  
Piyali Banerjee  
Aditya Bansal  
Utkarsh Behre  
Neelesh Kumar Bhajantri  
Anuj Bhargava  
Ajit Bhat  
Manjunath Ramachandra Bhat  
Shashank Shreekant Bhat  
Manisha Biswas  
Suhash Bollar  
Osban Anil Cerejo  
Nikhil Chakravarthy Chakkirala  
Sriparna Chakraborty  
Srikanth Challa  
Shuyan Chen  
Zhihong Chen  
Vamsidhar Reddy Cheppalli  
Sri Charan Chintapenta

Sanidhya Chopde  
Charul Dadhich  
Sai Suresh Dalli  
Shashank Daram  
Ankita Das  
Soumita Das  
Souvik Das  
Sriniketh Varma Dasaraju  
Sambo Dutta  
Yongxiang Feng  
Rohith Kumar Gadalay  
Jeetendra Kiran Gan  
Bhoomi Manish Gandhi  
Kaige Gao  
Benjamin Georges  
Upasana Ghosh  
Astrid Yvette Gomes  
Yin Gong  
Rongzhi Guo  
Snigdha Gupta  
Shivaprakash Rajshekar Hiremath  
Junsong Huang  
Zhi Wen Huang  
Shivaleela Ishwarappa Hubli  
Gulfam Hussain  
Hemanth Inakollu  
Bhakti Hanmant Jadhav  
Snehal Chhaburao Jadhav  
Deepali Jain  
Raunaq Jain  
Karthika Jayaprakash  
Thana Shree Jeevanandam  
Keshav Jethaliya  
Anand Arjan Jhamnani  
Rishabh Joshi  
Nikhil Dinesh Kamath  
Pratibhaa Reddy Kandimalla  
Prudhveer Reddy Kankar  
Aniruddha Karlekar  
Abhinav Kavuri  
Luckyson Khaidem  
Mohammed Mahaboob Khan  
Prashi Khurana  
Swapnil Kishore  
Vamshidhar Reddy Kommidi  
Sri Sai Bhargav Koritala  
Shanmukha Haripriya Kota  
Adhithyakrishna Kovai Srinivasan  
Kapindran Kulandaivelu

Bipul Kumar  
Sumit Kumar  
Preeti Kumari  
Bhargava Reddy Kuncha  
Jingsong Li  
Kun Lin  
Junyi Liu  
Zhun Liu  
Gaurav Madhav Pai  
Shourya Madishetty  
Aashna Mahajan  
Snehashish Mandal  
Shubhangi Mane  
Yash Nitin Mantri  
Disha Mehra  
Mahitha Mereddy  
Saianand Mohan  
Latheeshwarraj Mohanraj  
Abhyudaya Mourya  
Ethiraj Manigandan Mudhaliar  
Prakhathi Murugesan  
Charan Nama Arunkumar  
Nanditha Nandanavanam  
Ajith Kumar Natarajan  
Nihit Umesh Natu  
Priyanka Pai  
Rasita Shrikrishna Pai  
Bhavik Rajesh Pandya  
Sneha Surendran Panicker  
Saikiran Parimi  
Anushree Amit Parmar  
Sai Charith Reddy Pasula  
Priyesh Sanjay Patel  
Vishva Nitin Patel  
Leena Manohar Patil  
Manali Pramod Patil  
Yeshwanth Reddy Pogula  
Ashik Poovanna  
Mythreyi Pugazhendhi  
Shashank Raghunathan  
Adithya Raman  
Harita Ramesh Babu  
Prithvisagar Sathyanarayan Rao  
Priya Rao  
Anmol Rastogi  
Varsha Ravichandiran  
Swathi Ravindran  
Amrata Anant Raykar  
Akash Kumar Roy



# Master's Degrees

Christopher Sam Roy  
Goutham Krishna Reddy Sagam  
Sougata Saha  
Sourav Samanta  
Sanjay  
Mudita Sanjive  
Akshara Santharam  
Saranya Saravanan  
Deepakanuraag Sathyanarayanan  
Nikita Manish Sawant  
Anantha Srinath Sedimbi  
Anuj Shah  
Alexander Jacob Shapiro  
Mohd Ehtesham Shareef  
Aadishesh Sharma  
Pooja Omprakash Sharma  
Mansi Karunakar Shetty  
Deepesh Veersen Sidhwani  
Navpinder Gurpinder Singh  
Vishal Singh  
Madhumitha Sivasankaran  
Anirudh Sridhar  
Sandesh Kumar Srivastava  
Vinay Krishna Sudarshana  
Bowen Sui  
Ravi Teja Sunkara  
Harshitha Sunkavalli  
Ravikiran Sunnam  
Rohith Suresh  
Harshali S. Talele  
Sankeerth Tella  
Vineeth Thayaniithi  
Thushara Tirupathi  
Meghana Vadlapalli  
Sreedhar Reddy Vangireddy  
Vamsi Krishna Velivela  
Sai Shanthan Venreddy  
Sachin Venugopal  
Rohit Lalchand Vishwakarma  
Gowtham Vuppala  
Mansi Wagh  
Changming Wang  
Isabella Wang  
Deepanshu Yadav  
Nikhil Pandharinath Yadav  
Sandeep Kumar Yadlapalli  
Vibhav Virendra Yawalkar  
Vamshi Krishna Yedire  
Baoqian Zhang

Zhe Zhang  
Weijin Zhu  
Xinguo Zhu  
Weiyang Chen

## June 2021

Maruthi Reddy Alamuri  
Sujith Kumar Allala  
Mert Atkin  
Anjali Bachani  
Maheshwar Reddy Baddam  
Namrata Sanjay Bakre  
Rabiraj Bandyopadhyay  
Sai Hari Charan Barla  
Naturepreet Benipal  
Manasa Bhat  
Karthik Bodapati  
Charan Reddy Bodennagari  
Manasa Rao Chakunta  
Vinita Venktesh Chapparr  
Vaibhav Prakash Chhajer  
Soumith Reddy Chinthalapally  
Venugopal Chinthappareddy Govindarajan  
Kavitha Conjeevaram Mohan  
Daniel Connolly  
Abhishek Sanjay Dalvi  
Soumyya Kanti Datta  
Pranali Maroti Deogade  
Krithika Raj Dorai Raj  
Jacquelyn Louise Dufresne  
Neel Dunganani  
Phil Fox  
Prabhakara Reddy Gaddam  
Siddarth Gaikwad  
Trijala Reddy Gangasani  
Aditi Pratap Ghatge  
Kamalesh Ram Chandran Govindaraj  
Sehaj Grover  
Vamshi Krishna Gujjari  
Gursimran Singh  
Harishkandan Somasundaram  
Mrunal Inge  
Bhavin Jawade  
Anjana Tejaswini Kalava  
Charanteja Kalva  
Aman Khurana  
Jung A. Kim  
Venkata Narayana Rohit Kintali  
Nick Kobis

Sai Bharat Kumar Konakalla  
Sai Abhishek Koppu  
Bharathi Kothandan  
Hemant Koti  
Nitin Vishal Kulkarni  
Shathesh Kumar  
Junyang Li  
Xingtong Li  
Ziyi Liu  
Shiyu Lu  
Jie Lyu  
Manoj Madabhushi  
Balagopal Madhukumar  
Sourabh Majumdar  
Akash Malla  
Krishna Teja Mellacheruvu  
Prudhvi Muppani  
Vinay Kempanahalli Nagaraju  
Hitesh Nagothu  
Revathy Narayanan  
Anuj Narayanaswamy  
Meghana Narvangla Prasanna  
Srisai Karthik Neelamraju  
Kiran Ketan Nevrekar  
Manoj Oruganti  
Manan Ajit Oza  
Shreya Vijay Pampattiwar  
Hima Bindu Pamukuntla  
Sen Pan  
Avinash Parasurampuram  
Sindhuja Parnam  
Yash Patange  
Arnob Paul  
Shravya Pentaparathi  
Sruthi Sri Pochiraju  
Swaminaathan Pudukottai Jayaraman  
Murali  
Kedaar Rao  
Mridula Rao  
Rhea Carmel Glen Rodrigues  
Suhelbeer Singh Sandhu  
Ahmet Sen  
Bharat Sesham  
Abhimanyu Dipesh Shah  
Harsh Hemendra Shah  
Sonal Shukla  
Sindhu Sola  
Manasa Susirla  
Hari Guhan Thillairajan

Preethi Thota  
Amit Upadhyay  
Nikhil Vasudeva  
Saikumar Vemula  
Sai Venigalla  
Haoyu Wang  
Shiyang Wang  
Songtao Wei  
Andrew Woloszyn  
Maojie Xue  
Shi Yan  
Nijie Zhang  
Xiao Zhang  
Changming Zhong  
Aibek Zhylkaidarov  
Peiyu Zou

## Master of Science in Electrical Engineering

### August 2020

Nataraj Botta  
Joshua Timothy Carroll  
Anindita Chakravarty  
Nathan Chordas-Ewell  
Tushar Gupta  
Benjamin James Leising  
Chinmoy Nath Saha

### February 2021

Kalanithi Balasubramanyam  
Falguni Hridaynath Bonawate  
Kaushik Donepudi  
Sarah Frey  
Sumedh Kandarkar  
Toshita Rajkumar Khandare  
Zhichao Ma  
Prem Sagar Pattanshetty Vasanth Kumar  
Kirandeep Kaur Sandhu  
Akshay Ravindra Shelke  
Sai Srinivasa Haranadh Baba Singamsetti  
Manisha Srinivasan  
Ranjith Samuel Suresh Kumar  
Rakesh Tammineni  
Darshil Rakeshkumar Trivedi

### June 2021

James Nick Allen  
Marcus Ashford  
Yutong Guo  
Ankush Harindranath  
Maitreyee Mohan Joshi  
Kalyani  
Chencheng Lu  
Xinyu Ma  
Kyle Alexander Mancuso  
Venkata Satya Srivatshav Mudivarthi  
Kyle Pierre  
Radomir Pupovac  
Gokul Ravi  
Steven Edmund Starowicz  
Ata Vafi

## Master of Science in Engineering Science

### August 2020

Kavya Anantha Rao  
Yan Chen  
Huangwei Ding  
Philippa Doherty  
Venkata Sai Rakesh Guduru  
Peter Murphy Kwakye  
Maia Evelyn Wei Morrison  
Thomas Pink  
Matthew Sah  
Shageenth Sandrakumar

### February 2021

Thankam Abish  
Shreyas Addamane Pallathadka  
Akshay Adlakha  
Nirjhar Agarwal  
Nikhil Arora  
Kriti Asrani  
Kashyap Balasubramanian  
Sruthi Keerthi Bandi  
Kaustav Kumar Basu  
Snigdha Chandra  
Salil Santosh Dabholkar  
Pavithrun Dhanasekaran  
Samratsinh Sudhirsinh Dhumal

Jianxing Feng  
Viswanathan Gopalakrishnan  
Nikita Goswami  
Sreekar Guggilam  
Deeksha Gupta  
Rugved Ratnakar Hattekar  
Rammya Arunachalam Iyer  
Pranjal Jain  
Tanya Jain  
Sonal Vijay Kelwadkar  
Danish Ahmad Khan  
Akhil Koppera  
Ravi Teja Kota  
Sai Likhith Kotha  
Vimal Kumar Kumarasamy  
Lan Le  
Sangrok Lee  
Anglu Liu  
Pin Lyu  
Sai Akhilesh Reddy Maddela  
Saurabh Mahindre  
Makarand Shyam Mandolkar  
Duke Mervyn Martin Arul Joseph  
Devendra Melukota  
Pranita Rajesh Mor  
Dana Moukheiber  
Lama Moukheiber  
Mira Moukheiber  
Venkata Srinivas Nedunuri  
Shamus Robert O'Connor  
Karun Parashar  
Vishnu Radhakrishna Paspunoor  
Rohith Kumar Poshala  
Akshaykumar Rao Racherla  
Rachith Ramaswamy  
Roshan Ramesh  
Shardul Suryakant Rane  
Aeliya Rashid  
Vishal Deep Saini  
Shreyas Shanubhoganahalli Nagaraju  
Rishabh Sharma  
Ronak Sharma  
Ye Shi  
Chandana Singh  
Anchal C. Sojatiya  
Chaitanya Thammineni  
Ziang Zhao

# Master's Degrees

## June 2021

Akhil Satheesh  
Anand  
Ashutosh Anand  
Ruben Argenis Aponte  
Divya Mounika Banuru  
Sai Kiran Boppa  
Mihir Bose  
Joshua Bukaty  
Benjamin M Cardamone III  
Jui Hsiang Chen  
Akshata Chukaiwar  
Pranay Reddy Dava  
Heather Nicole Evangelista  
Mingmin Gong  
Keyan Guo  
William Harold Hilbert  
Ian Kaminer  
Uday Bhanu Kasukurthy  
Venkatesh Kavali  
Rohith Reddy Kolla  
Vivek Lekkala  
Yanting Li  
Zhi Jie Li  
Harrison Andrew Lofredo  
Chieh Ju Lu  
Andy Ma  
Srija Madhadi  
Gowtham Babu Mandava  
Shreya Mathur  
Kunal Kamlesh Mehta  
Mohamed Fazil Mohamed Sulaiman  
Melissa Moore  
Mark S. Ng  
Matthew Gregory O'Brien  
Vinil Palavalasa  
Meaghan Regina Pashen  
Rahul Patil  
Shreyas Pimpalkar  
Rohney Arpitha Pusuluri  
Christie Danica Rajcic  
Mary Sharmila Rongali  
Ashish Sanghvi  
Shiva Saravanan Omprakash  
Nitesh Shantha Kumar  
Albert Franklin Shaw  
Utkarsh Shukla  
Mandeep Singh  
Gautam Jayajirao Suryawanshi

Alexis Vaccarella  
Sri Charan Simha Velpur  
Gaurav Vijay Vergiya  
Pushpinder Walia  
James Francis Wilson IV  
Jimmy Zhou

## Master of Science in Environmental and Water Resources Engineering

### August 2020

Soo Bin Chun  
Molly Dreyer  
Austin John Izzo  
Zachary T. Kralles

### February 2021

Breanna Colleen Dahn  
Shruti Jagini  
John Alan Jondle  
Boxuan Li  
Lingbo Li  
Yilan Li  
Carly Staebell  
Anika Tabassum

### June 2021

Zixuan Chen  
Derek R. Claus  
Isabel Marie Hall  
Jenna Meert  
Rebecca Alicia Reohr

## Master of Science in Industrial Engineering

### August 2020

Jessica Arora  
Corey Hall  
Nandan Jangale  
Chih-An Lo  
Xuanyu Lu  
Adit Bhargav Modi  
Kai Xiao

## February 2021

Parthiparajan Alagarsamy  
Sumeet Sandeep Apte  
Ishika Behera  
Sohan Bhat  
Anuja Mangesh Boraste  
Pran Chaliha  
Saharsh Sunil Chandak  
Gaurav Chaudhary  
Kashyap Chitta Sreerama Subrahmanya  
Harsh Sunilbhai Dalal  
Shubam Krishnanand Desai  
Shubham Dilip Deshpande  
Pearldeep Dhingra  
Tanahiry Victoria Escamilla  
Yash Makarand Ganorkar  
Krishna Sai Golakoti  
Naga Veerendra Grandhi  
Hemanth Gudavalli Venkata Sai Krishna  
Ahmed Salman Imtiaz  
Pragati Atmaram Jagadale  
Ruthvik B. Jois  
Obe Joselle Joseph  
Balaji Shubham Kandhi  
Arvind Ram Karthikeyan  
Manish Krishna Teja Katiki  
Shruti Vijay Kharde  
Mothi Prasad Kopparla  
Balaji Kumaresan  
Naveen Prasad Manikandan  
Pranesh Manoharan  
Udayamurthy Marappa Vaideeson  
Anushree Pravin Mhatre  
Kamini Vijayshankar Mishra  
Abhishek Vikram Mogal  
Mohammed Rehan  
Praveen Mohan  
Pranav Dattatray Mulik  
Santhosh Kumaran Murali  
Ashwin Nair  
Poojit Reddy Nallathimmareddygari  
Bhagutharivalan Natarajan Muthukkannu  
Suyash Nuhall  
Rahul Kamal Pandey  
Keval Upendra Patel  
Aditya Prakash Patil  
Kristen Hong Pham  
Aravindh Siddharth Prabakaran  
Dinesh Reddy Ramapuram  
Haren Ramaswamy

Rushank M. Sangani  
Vishnu Sasidharan  
Timothy Martin Schuler  
Gokul Selvaraj  
Abinesh Senthil Kumar  
Arinjay Shenoy  
Abhishek Rajendra Shirsat  
Kishore Suresh  
Supreeth Konanur Suresh  
Sharath Rao Tamvada  
Vishesh S. Thakur  
Dixit Dilipbhai Thiya  
Bhargav Tovinakere Vijayakumar  
Prateek Varshney  
Saipreeti Vasana  
Harish Venkataramanan  
Ashwin Vijaya Narasimha Shastry

#### June 2021

Pritish Shivananda Adiga  
Alexander James Annis  
Yeshwanth Badineni  
John Becker  
Ankit Pratik Behera  
Mourya Busareddy  
Akhil Singh Chauhan  
Nicholas Corso  
Madhur Dobhal  
Akhil Gaddipati  
Aishwarya M. Gupta  
Kyle Jeffrey Hunt  
Wilson David Jo Siu  
Anurag Sunil Kadam  
Saurabh Sanjay Kulkarni  
Sushil Lakshmanan  
Adithya Narayanan Lakshmi Narayanan  
Ling Lin  
Kruthika Madhusudhana  
Sarad Kumar Mallipudi  
Adil Baran Narin  
Vinayak Bhajaman Panda  
Miti Dilipbhai Patel  
Atharva Manoj Patke  
Khushbu Girish Rathi  
Ercan Sahin  
Nilashish S. Singha  
Aswin Suresh  
Harrison J. Thompson  
Pengyuan Wan  
Daxing Zhao

### Master of Science in Materials Design and Innovation

#### August 2020

Faemia Zulfikar Chaggaan  
Raymond Alexander Johnson  
Patrick Thomas McGuire

#### February 2021

Chaoran Chang  
Nicholas Gerard Cucciniello  
Parth Desai  
Yu Fu  
Haiwang Ge  
YuHao Guo  
Marshall Han  
Jereena John  
Derek Lee  
Chenxi Li  
Hao Liu  
Mruganka Sandip Parasnis  
Yana Shimanovich  
Jinhui Tan

#### June 2021

Natalia E. Crespo-Rosado  
Prachi Garg  
Nagasri Motukuru  
Ryan Alexander Peters

### Master of Science in Mechanical Engineering

#### August 2020

Rishi Adusumilli  
Vinoothna Bandru  
Dustin Dean Bielecki  
Aditya Tushar Chivate  
Sean Gaare  
Garrett Ross Jacklin  
Apurvakumar Sharadkumar Jani  
Edwin Kankam  
Saurabh Vishwas Khuje  
Bowen Li  
Ujjayan Majumdar  
Amith Rongala  
Mark William Schiferle

Sumanth Theeda  
Haolong Zhang

#### February 2021

Eshwanth Asok  
Nathan Victor Ball  
Abhinaba Basu  
Paul Caletka  
Vincenzo Carr  
Nathaniel David Coley  
Daniel Francis Colucci  
David William Cummiskey  
Joseph Philip Distefano  
Lung-Hao Lee  
Chang Liu  
Hemanth Manjunatha  
William Henry Meyer IV  
Jared Michael O'Hara  
Andrew Daniel Ragonese  
Michael Schiffman  
Karan Ashitbhai Shah  
Zefan Shao  
Abhinav Singhal  
Shathushan Sivashangaran  
Abhijit Sudhindra  
Qianyi Sun  
Mostafa Tavakkoli Anbarani  
Qingquan Zeng

#### June 2021

Jiaming Bai  
Michael Joseph Barkachy  
Matthew Adam Benner  
Priyanka Satish Bhalerao  
Kristof Bowers  
Joseph Daniel Carleton  
Binbin Chen  
Shane Choi  
Ryan Jessie Falcon  
Steven Herrera  
Aneesh Dilip Kumar Jain  
Supreet Pravin Kurdekar  
Shitao Li  
Shixin Li  
Nicholas John Noviaskey  
Nihar Dilipbhai Patel  
Donald Petit  
Kyan Sadeghilari  
Gorden P. Schubert Jr

## Master's Degrees

Timothy Taylor  
Daniel J. Wilczewski  
Chen Zhu

### Master of Science in Sustainable Transportation and Logistics

#### August 2020

Jessie Ya-Ting Ho  
Fangyuan Wang  
Ao Yang

#### February 2021

Rajarajeswaran Chandramohan  
John Milo Collins  
Gurkiran Gurkiran  
Jonathan Ho  
Kevin Lei  
Conor Richard Lenahan  
Aishwarya Murgod

#### June 2021

Brandon Alexander  
Luo Cao  
Bryden Chan  
Zeyad Erachadi  
Marko Lazin  
Wen Hao Liu  
Krishna Priya Muthu  
Jingwei Shang  
Yannis Zhang

## Doctorate Degrees

### Recommending Candidates for Degrees

Kemper Lewis  
*Dean*

### Doctor of Philosophy in Aerospace Engineering

#### June 2021

Juhi Chowdhury  
Major Professor: Matthew J. Ringuette

### Doctor of Philosophy in Biomedical Engineering

#### August 2020

Caelen M. Clark  
Major Professor: Mark T. Ehrensberger

#### Wei-Chiao Huang

Major Professor: Jonathan Lovell

#### Changning Li

Major Professor: Mark T. Swihart

#### February 2021

Zeynab Rezaee Hassan Abadi  
Major Professor: Anirban Dutta

#### Yunchen Yang

Major Professor: Yun Wu

#### June 2021

Xuedan He  
Major Professor: Jonathan Lovell

#### Yayu Liu

Major Professor: Stylianos Andreadis

#### Eric Patrick McDermott

Major Professor: Mark T. Ehrensberger

#### Alexander R. Podgorsak

Major Professor: Ciprian N. Ionita

Kyle Anthony Weeks  
Major Professor: Albert H. Titus

### Doctor of Philosophy in Chemical Engineering

#### August 2020

Mohammadmoein Mohammadi  
Major Professor: Mark T. Swihart

#### Zhi Qiao

Major Professor: Gang Wu

#### Yusen Zhou

Major Professor: Sriram Neelamegham

#### February 2021

Yanghua He  
Major Professor: Gang Wu

#### Sheida Jamalzadeh

Major Professor: Paul J. Cullen

#### Ogechi Ogoke

Major Professor: Natesh Parashurama

#### Ruiquan Qi

Major Professor: Blaine Pfeifer

#### Xinheng Yu

Major Professor: Sriram Neelamegham

#### June 2021

Junjie Chen  
Major Professor: Eleni Kyriakidou

#### Yiqi Chen

Major Professor: Jeffrey R. Errington

#### Kai Cheng

Major Professor: Sriram Neelamegham

#### Zheng Fu

Major Professor: Mark T. Swihart

#### Navneeth Gokul

Major Professor: David A. Kofke

Jungkuk Lee  
Major Professor: Eleni Kyriakidou

Mohammad Malek Zadeh  
Major Professor: Mark T. Swihart

Arezoo Momeni  
Major Professor: Sriram Neelamegham

Shreya Mukherjee  
Major Professor: Gang Wu

Bitan Nasiri  
Major Professor: Stylianos Andreadis

Yudhajit Pal  
Major Professor: Johannes Hachmann

Dongwon Park  
Major Professor: Blaine Pfeifer

Nika Rajabian  
Major Professor: Stylianos Andreadis

Girish Swayambhu  
Major Professor: Blaine Pfeifer

## **Doctor of Philosophy in Civil Engineering**

**August 2020**  
Abdulrhman Fahmi H. Alali  
Major Professor: Joseph F. Atkinson

**February 2021**  
Dhanendra Kumar  
Major Professor: Ravi Ranade

Arvid Masud  
Major Professor: Nirupam Aich

Ramla Karim Qureshi  
Major Professor: Negar Elhami - Khorasani

Ching-Ching Yu  
Major Professor: Andrew S. Whittaker

**June 2021**  
Xuan Gao  
Major Professor: Andreas Stavridis

Ali Gurbuz  
Major Professor: Mettupalayam V. Sivaselvan

Seoyoung Heo  
Major Professor: Jongmin Shim

Yuan Hui  
Major Professor: Joseph F. Atkinson

Novin Mehrabi  
Major Professor: Nirupam Aich

Ronak Mehrabi  
Major Professor: Kamelia Atefi Monfared

Amir Sarreshtehdari  
Major Professor: Negar Elhami - Khorasani

Li Tang  
Major Professor: Qing He

Xinle Zhai  
Major Professor: Kamelia Atefi Monfared

## **Doctor of Philosophy in Computational and Data Enabled Science and Engineering**

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Major Professor: Michel Dupuis

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Major Professor: Murat Demirbas

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Major Professor: Tevfik Kosar

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Hongfei Xue  
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Vicky Zheng  
Major Professor: Jaroslaw Zola

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Major Professor: Ehsan Tarkesh Esfahani

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Major Professor: Mostafa A. Nough

Seyedeh Elaheh Ghiasian  
Major Professor: Kemper E. Lewis

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Major Professor: Hui Meng

Junhee Lee  
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# History of the School of Engineering and Applied Sciences

*In celebrating this commencement, the School of Engineering and Applied Sciences (SEAS) marks 75 years of educational and research excellence and service to the technical community, to New York State, and to society at large.*

## The Founding of the School of Engineering and Applied Sciences

Engineering courses were initially offered by the College of Arts and Sciences, which began granting a Certificate in Engineering in 1929. Early programs were established in engineering science, mechanical engineering, industrial engineering and electrical engineering. Then in 1946, one hundred years after the University at Buffalo was founded, the School of Engineering was established. The school was authorized to offer both bachelor's and master's degrees. Departments of civil engineering and chemical engineering were added in 1958 and 1961, respectively. In 1962, the university joined the State University of New York (SUNY) higher education system and by 1967, the name had been changed to the Faculty of Engineering and Applied Sciences. One year later, aerospace engineering was added, and a comprehensive engineering school was achieved. An undergraduate program in engineering physics was added in 1985. The unit changed its name to the School of Engineering and Applied Sciences in 1989.

In 1998, a new department of computer science and engineering was formed by merging the computer science program from the College of Arts and Sciences with the computer engineering component of the department of electrical and computer engineering in SEAS. The environmental engineering program was established in 2000. In 2010, a new department of biomedical engineering was formed in collaboration with the UB Jacobs School of Medicine and Biomedical Sciences. In 2014, a new department of materials design and innovation was established in collaboration with the College of Arts and Sciences. The newest department of engineering education was established in 2018.

SEAS has come far since 1946, when it first held courses in the newly dedicated Karr Parker Engineering Building. Parker Hall was immediately enlarged to accommodate traditional students and returning GIs intent on pursuing engineering careers after WWII. In the mid-70s to mid-80s, the school moved to five new buildings on the north campus: Bell, Bonner, Furnas, Jarvis, and Ketter Halls. Our newest building, Davis Hall, opened in 2011 and features an environmentally friendly design and construction. Together these buildings form an outstanding educational and research facility, comprising 275,000 square feet of laboratory and office space. Due to the recent growth in enrollment within SEAS, the school also occupies space in Capen Hall and Baldy Hall.

## Faculty and Leadership: A Heritage of Vision and Talent

SEAS has enjoyed consistent success in large part because of its leadership. Over the course of its seventy-five years, thirteen distinguished educators have served as leaders of the school. In 1946, Paul E. Mohn became the first dean. His thirteen-year tenure as dean lent stability to the young school. Frederick H. Thomas served as acting dean from 1959–1960. E. Arthur Trabant was dean from 1960–1966; Howard E. Strauss was acting dean from 1966–1967. When the Faculty of Engineering and Applied Sciences became the administrative body of engineering at SUNY Buffalo, the head of the faculty was often referred to as the provost. F. Karl Willenbrock was provost from 1967–1970; Joseph Bergantz was acting provost from 1970–1971; and William Gill served as provost/dean from 1971–1977. George C. Lee took office as dean in 1978, and served in that post until 1995. In 1996, Mark H. Karwan became dean, followed by Harvey G. Stenger Jr. in 2006. Rajan Batta was the school's interim dean in 2011–2012, and in 2013, Liesl Folks joined SEAS as the school's eighth dean. Following Folks' departure in 2019, Rajan Batta served the school again as interim dean until the appointment of Kemper E. Lewis as the new Dean on May 1, 2020.

Our leadership and faculty realize the school's direction with the invaluable support of our dedicated staff, students, alumni, friends, industry and corporate partners. In addition to their dedicated teaching, research, and service, the faculty, which now numbers over 250, have won prestigious awards, authored countless books and articles, and produced many patents for materials and techniques, all aiming to benefit humankind. More than 35 of our faculty have been elected as Fellows of engineering professional societies and 41 are National Science Foundation early career award winners. In the past three years, 6 of our current faculty members have been recognized as SUNY Distinguished Professors for their outstanding academic contributions, including scholarly publications, national and international research presentations, research findings, and the training of students.

## Programs and Partnerships

The School of Engineering and Applied Sciences was an early innovator in reforming the traditional preparation of beginning engineers. The school has always valued interdisciplinary research and has structured itself to promote connections across disciplines that benefit undergraduate and graduate study, as well as to address important social needs like health care, personal security and recovery from natural disasters. SEAS is the home of such prominent interdisciplinary research and educational programs as the Artificial Intelligence Institute, Biology with X-ray Free Lasers Science and Technology Center (BioXFEL), Blockchain ThinkLab, Cell, Gene and Tissue Engineering Center (CGTE), Center for Multisource Information Fusion (CMIF), Center for Space Cyber Strategy and Cyber Security, Center for Unified Biometrics (CUBS), Center for Excellence in Information Systems Assurance Research and Education (CEISARE), Center for Hybrid Rocket Exascale Simulation Technology (CHREST), MCEER (Earthquake Engineering to Extreme Events) and The Center for Industrial Effectiveness (TCIE).

Under UB's broad strategic initiatives, we engaged with our campus colleagues to develop research and educational programs that will have a high impact both inside and outside the university. These include the Institute for Computational and Data-enabled Science (ICDS), Institute of Bridge Engineering (IBE), Stephen Still Institute of Sustainable Transportation and Logistics, Sustainable Manufacturing and Advanced Robotic Technologies (SMART) Community of Excellence, Global Health Equity Community of Excellence, and the Research and Education in eNergy, Environment and Water (RENEW) Institute. Our total research expenditures for the current year were \$82 million.

Historically, the School of Engineering and Applied Sciences' partnership with industry has been valuable and mutually rewarding. Students benefit from the professional interactions that our experiential learning programs provide, and faculty contribute to and gain valuable perspective from industry-sponsored research. Industry partners, meanwhile, benefit from access to a talented workforce and a well-trained knowledge base that provides them with a competitive edge in research and development.

## A Proud Past, A Challenging Future

The School of Engineering and Applied Sciences is a world-class institution. Today's graduates join the ranks of over 36,000 alumni who have made their mark on the discipline, both in the academic world and in industry. Graduates live in all 50 states and 70 countries around the world.

Like any great organization, the School of Engineering and Applied Sciences is continually evolving and stretching to meet new challenges. The more we achieve, the more we see there is still to be done. We take great pride in training the next generation of great engineers and are inspired by the challenge of delivering world-changing advances in science and technology.

To keep up to date with the school, please visit us at [engineering.buffalo.edu](http://engineering.buffalo.edu)



## UB Alumni Association Letter

Dear Member of the Class of 2021,

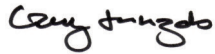
Congratulations! On behalf of the UB Alumni Association, I'm delighted to welcome you to your global network of more than 280,000 alumni. You've persevered during a year like no other, and we're proud of all you have accomplished.

As you begin your next chapter, please stay in touch! We have so many ways for you to remain connected—to UB and to each other—through email and social media, as well as through alumni events and volunteer opportunities happening across the country and around the world.

What does this mean for you in practical terms? It means that career help, volunteer opportunities, and engaging educational and social events are all yours for the taking. To learn more about what's available with your new alumni status, visit [buffalo.edu/alumni](http://buffalo.edu/alumni).

Remember, this isn't goodbye—it's WELCOME to the UB alumni family. We know you'll always be True Blue and will proudly keep your Horns Up, wherever you go and whatever you do. Contact the Office of Alumni Engagement at [ub-alumni@buffalo.edu](mailto:ub-alumni@buffalo.edu).

Go Bulls!



Gary J. Jastrzab, BA '76  
President, UB Alumni Association

P.S. Keep your @buffalo email for life simply by logging in through a browser every 90 days.

## The UB Mace

The mace is part of the medieval traditions of the university. It was originally a weapon used to protect kings, and then by 1200 became more and more a symbol of authority.

The UB mace is designed to tell the story of UB and the Niagara Frontier. Fashioned by silversmith Hudson Roysner of Arcadia, Calif., it was used for the first time in 1962. Engraved atop a miniature walled structure representing the City of Buffalo are three arrows bound together, symbolizing the unity of UB and the city.

Other details include symbolic representations of the discovery of Lake Erie in 1669 by Joliet and early explorations by LaSalle. A crest symbolizes UB's role as a dynamic center of human growth and welfare. The motto "University and City Community" is lettered in Latin around the knob of the shaft.



# UB Engineering and Applied Sciences Alumni Association Letter

Dear Class of 2021,

Commencement is a sacred time shared across the University at Buffalo community as a way of recognizing and celebrating the remarkable achievements and diligent work of you—our newest alumni.

This spring, perhaps your last semester at the University at Buffalo, is a time you and your families have been anticipating for many years. But none of us could have imagined that your final year would be marred by a global crisis of unprecedented magnitude.

Yet I know that each of you is resilient and has the ability to persevere through difficulty. After all, you are engineers. The world looks to us to innovate, to protect, and to rebuild. And the world needs us now more than ever. For over 70 years, alumni from our School of Engineering and Applied Sciences have led the way from Western New York to around the globe. Today, you join – and will improve upon – this rich tradition of excellence.

However, success should not be your only pursuit. As alumni, we have a responsibility to mentor and guide future generations so they can boldly take up the reins of our shared legacy. That is why the University at Buffalo Engineering and Applied Sciences Alumni Association exists – to help you, our alumni, make an impact on the students that come after you. I assure you that these efforts are immensely rewarding. Do not be surprised when the students you sought to impact end up having an impact on you.

Now and in the future, I ask that you build upon our legacy. And don't lose sight of this: that you have the power to ignite meaningful change – both in the world and in the lives of our students.

So on behalf of the University at Buffalo Engineering and Applied Sciences Alumni Association, its Board of Directors, and the more than 36,000 members who have preceded you, we welcome you with open arms. Together, we are UB.

Be bold,

Jordan Walbesser (BS CEN'07, JD'10)  
*President, UB Engineering and Applied Sciences Alumni Association*

## UB Alma Mater

*Music by UB Students in 1903. Lyrics adapted by UB Students in 2006 for contemporary use.*

### Verse 1:

The pride of our spirit and tradition,  
Our alma mater's truth and name declare.  
Celebrate our history and wisdom,  
O let us all prepare to sing her glory.

### Refrain:

To Buffalo all hail to thee,  
Noble and strong it's our university!  
To blue and white pledge loyalty,  
Singing I will always remember thee!

### Verse 2:

We'll ever keep our standards high,  
And sing UB's praises to the sky.  
Receiving the finest education,  
Our knowledge we impart unto the nations.  
*(Repeat refrain)*

### Verse 3:

Our friends we've made with ties that bind,  
A union of our spirit, heart and mind.  
Together we'll continue life's journey,  
O may dear Buffalo forever be.  
*(Repeat refrain)*

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\*UB alumnus/alumna



The University at Buffalo has come a long way since its founding in 1846 as a small, private medical school in downtown Buffalo. Today it is an internationally renowned public research university—the largest institution in the State University of New York system—with three vibrant campuses, 13 schools and colleges, and most importantly, upward of 30,000 students every year developing the knowledge, confidence and passion to make the world a better place.

In the words of President Satish K. Tripathi, “UB has always been defined by our community’s intellect, innovations and contributions to humanity. And it will continue to be for the next 175 years—and beyond.”

