



**2023**

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**University  
at Buffalo**

The State University  
of New York

ONE HUNDRED AND SEVENTY-SEVENTH ANNUAL



SCHOOL OF ENGINEERING AND APPLIED SCIENCES  
**COMMENCEMENT**  
GRADUATE CEREMONY 2

Saturday

May 20, 2023

1:00 PM

Alumni Arena

North Campus

Kemper E. Lewis

*Dean*



## Program

### Processional

Selections from Pomp & Circumstance  
by *Edward Elgar*

### Opening Declaration

Frederick W. Stoss  
*Mace Bearer, Chair of the Faculty Senate  
and Librarian*

### Welcome

Jeffrey R. Errington  
*Associate Dean for Undergraduate  
Education, School of Engineering and  
Applied Sciences*

### National Anthem

Emory Redfearn  
*Music Theatre, BFA '23*

### Introductions

Associate Dean Errington

### Greetings

Satish K. Tripathi  
*University President*

### Remarks

Kemper E. Lewis  
*Dean of the School of Engineering and  
Applied Sciences*

### SEAS Dean's Award for Achievement

Laure J. Pyrak-Nolte, BS'81  
*Distinguished Professor of Physics and  
Astronomy, Purdue University*

### Student Address

Tashfia M. Mohona  
*Environmental and Water Resources  
Engineering, PhD'23*

### Conferring of Degrees

President Tripathi

### Alumni Welcome

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

### Alma Mater

Emory Redfearn

### Closing Declaration

Frederick W. Stoss

### Recessional

Triumphal March from Aida  
by *Giuseppe Verdi*

## The UB Mace

The mace is part of the medieval traditions of the university. It was originally a weapon used to protect kings, but later became a symbol of enlightened authority.

The UB mace is designed to tell the story of UB and the Niagara Frontier. Fashioned by silversmith Hudson Roysher 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.



# 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, which she co-chairs. In

this role, 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. Most recently, Lewin was named co-chair of the 5/14 Remembrance Committee to honor the mass shooting victims of the May 14 tragedy in East Buffalo.

A retired bilingual social worker for the Buffalo Board of Education, she 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. A fellow of the IEEE and the AAAS, he has published more than 200 scholarly papers, supervised more than 30 doctoral and postdoctoral students and served on program committees of numerous international conferences.

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. He has received honorary doctorates from the Indian Institute of Information Technology, Allahabad, and Brock University in Canada.

Tripathi serves on the College Football Playoff Board of Managers and chairs the Internet2 board of trustees. Previously, he was chair of the Mid-American Conference Council of Presidents and on the boards of NCAA Division I, NCAA Board of Governors, the Association of American Universities, the Association of Public and Land-Grant Universities and the Council for Higher Education Accreditation. A past member of the Reimagine NY Commission, he was the inaugural co-chair of the Western New York Regional Economic Development Council.

## **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, providing 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. Weber is leading the implementation of the university's vision to be recognized among the top 25 public research universities in the nation, focused on building on UB's strengths to achieve new levels of excellence in research, scholarship, education, clinical care and engagement.

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. During his time as chair, the department rose significantly in national rankings. 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 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 as chair. He has previously served as president of the International Spenser Society (2014-2016), 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 (2008-2009). He is the recipient of many awards and grants, including a UB Humanities Institute Research Fellowship (2012-2013) 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 served as chair of the Department of Mechanical and Aerospace

Engineering prior to being named dean in 2020; and was the inaugural Moog Professor of Innovation, a role he held until 2022.

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 \$33 million.

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

### Laura J. Pyrak-Nolte

*Distinguished Professor of Physics and Astronomy, Purdue University*



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 Laura J. Pyrak-Nolte, a geophysicist and Distinguished Professor of Physics and Astronomy at Purdue University.

Pyrak-Nolte earned a Bachelor of Science in Engineering Science from the University at Buffalo in 1981, a Master of Science in Geophysics from Virginia Tech in 1983, and a Doctor of Philosophy in Materials Science and Mineralogy from the University of California, Berkeley in 1988, where she worked with the late Dr. Neville G. W. Cook, distinguished expert on mining and the mechanical behavior of rocks.

In 1992, Pyrak-Nolte was appointed an assistant professor at the University of Notre Dame, Department of Civil Engineering and Geological Sciences. She joined Purdue in 1997 as an associate professor, was promoted to full professor in 2001, and was appointed a Distinguished Professor of Physics and Astronomy in 2018.

Inspired by her early work in rock mechanics, Pyrak-Nolte continued to study mechanical discontinuities in rocks. Her research considers the mechanisms that underpin seismic processes in complex fractures. She looks to understand the evolution of fractures, how seismic waves interact with fractures and how the geometry of fractures impacts the flow of fluids, and she developed a scaling relationship between fluid flow and elastic stiffness.

To better understand these fractures, Pyrak-Nolte makes use of 3D printing to create synthetic rock samples. She has shown that studying the fracture processes of synthetic rock can help to predict the behavior of rocks in the real world.

Throughout her career Pyrak-Nolte has worked with the United States Department of Energy. She has been the president of the American Rock Mechanics Association and the International Society for Porous Media and is the Vice President of North America for the International Society for Rock Mechanics and Rock Engineering (ISRM). In 2018, Pyrak-Nolte delivered the 21st ISRM online lecture, the first woman to be invited to deliver this prestigious lecture.

For her scholarship, Pyrak-Nolte has received numerous awards and was elected as a member or fellow of several organizations, including the National Academy of Engineering in 2021. The University at Buffalo is honored to recognize Laura Pyrak-Nolte as an alumna 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*
- 1999**  
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*
- 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.*
- 2021**  
John K. Schneider, PhD EE '90  
*Vice President of Technology for Qualcomm*
- 2022**  
Dinah Gueldenpfennig Weisberg, BS '87  
*Chief Executive Officer and President, REDCOM Laboratories Inc.*

## Student Speaker

### Tashfia M. Mohona

*Environmental and Water Resources Engineering*



Originally from Bangladesh, Tashfia completed her Bachelor of Science degree in civil engineering at Bangladesh University of Engineering and Technology before pursuing her doctorate in environmental and water resources engineering at the University at Buffalo. Her research focuses on sustainable water reuse, where she applies state-of-the-art material characterization tools to address

some of the major bottlenecks in membrane-based advanced water treatment. Tashfia has served as the president of the Environmental and Water Resource Institute's graduate student chapter at UB and volunteered in STEM outreach activities. Long term, Tashfia plans to return to Bangladesh and use her expertise to tackle the challenges in the water-stressed regions of her country.

## Alumni Speaker

### Jordan Walbesser

*President, UB Engineering  
and Applied Sciences Alumni Association*



Mr. 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 UBEAA 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.

## The First Commencement

The first commencement of The University of Buffalo was held at the First Presbyterian Church on Wednesday, June 16, 1847, when medical degrees were conferred on seventeen "young gentlemen." The event was witnessed by "quite a large concourse of our citizens, as the occasion was a novelty here," according to the newspaper report.

After an impressive and appropriate prayer, the Honorable Millard Fillmore, Chancellor, delivered an address dealing principally with a historical sketch of the rise and progress of education in Buffalo. Following music by the choir and conferring of degrees, Professor Hamilton spoke to the graduates. His address was described in a local newspaper the following day as a "feeling and beautiful effort complete with high sentiments, of sound morality and enlarged and pure philanthropy, which, if made the rule and guide of the young gentlemen to whom it was more immediately directed, cannot fail of making them ornaments to their profession and to society . . . in thought, word and deed."

After 16 weeks of study, which in those days was the entire medical preparation, each graduate was cited for having "specialized" in one of the following: Hernia, Empiricism, Remittant Fever, Pneumonities, Mania Potu, Puerperal Fever, Erythema, Anatomical Fractures, Typhoid Fever, Pneumonia, Acute Laryngitis, History of Physiology, Dyspepsia, Haemorrhagi, Inflammatory Croup, Pregnancy, Scarlatina.

The students had paid \$62.00 for all the lectures in the entire course, plus a \$3.00 matriculation fee, \$5.00 for a "demonstrator's ticket," and \$20.00 for a graduation fee. Board, including fuel and light, cost from \$2.00 to \$3.00 per week.

# Academic Costume

The traditional costume worn at commencement exercise is a record of academic achievement of the individuals taking part. Its use, which originated at English and European universities during the twelfth and thirteenth centuries, came to the United States in 1754 with the founding of what is now Columbia University.

In 1895 the Intercollegiate Commission, a group of leading American educators, met at Columbia to draft a code which would serve to regulate the design of gowns and hoods for various degrees as well as to fix the colors that indicate the various faculties. This code has been adopted by most of the colleges and universities in America. It was revised in 1932 and again in 1959.

The level of degree held is indicated by the gown's cut. Doctoral gowns have full sleeves which are round and open. Gowns worn by bachelors have long pointed sleeves, and those worn by masters have long, closed, somewhat fuller sleeves which reach nearly to the wearer's knees. The arm goes through a slit, giving the appearance of short sleeves.

The color as well as cut of the gown varies. Although most doctoral gowns are black, in some cases their color is that of the university conferring the degree. The doctoral gown is trimmed in velvet; it has three two-inch bars on the sleeves and a five-inch border extending from the back of the neck down the two sides in front. Although usually black, the velvet may be of a color that indicates the nature of the degree. For the degree of Doctor of Philosophy, the color is dark blue, engineers may also wear orange; for Doctor of Medicine, green; for Doctor of Dentistry, lilac; for Doctor of Education, light blue; for Doctor of Science, golden yellow; for Doctor of Law, purple; for Doctor of Social Work, citron, etc. Master's and bachelor's gowns have no facing.

The hood seems to have had a more practical origin. During the Middle Ages monks wore them to protect their shaved heads in the winter and as a container in which to collect alms. It is the most significant part of the academic dress. Its shape and size indicates the degree of the wearer, the color of the velvet border indicates the academic field, and the color of the lining indicates the institution granting the degree. The bachelor's hood is three feet long and has a two-inch velvet border, the master's is three and one-half feet long and has a three-inch border, and the doctor's is four feet with a five-inch border. The State University of New York at Buffalo hood is lined with blue and gold stripes; orange signifies engineering.

The mortarboard cap has been conventionalized from the skull cap which was worn by monks of the twelfth and thirteenth centuries. The mortarboard is usually black. Tassels are worn over the left front quarter by degree holders; candidates wear the tassel over the right front quarter until the degree is conferred.

# School Leadership and Distinguished Faculty

## Dean

Kemper E. Lewis  
*Dean*

## Associate Deans

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

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

Moises Sudit  
*Associate Dean for Research and Graduate  
Education, Industrial and Systems  
Engineering*

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

## Department Chairs

Jonathan P. Bird  
*Electrical Engineering*

Francine Battaglia  
*Mechanical and Aerospace Engineering*

James N. Jensen  
*Engineering Education*

Victor L. Paquet  
*Industrial and Systems Engineering*

Alan J. Rabideau  
*Civil, Structural and Environmental  
Engineering*

Krishna Rajan  
*Materials Design and Innovation*

Mark T. Swihart  
*Chemical and Biological Engineering*

Albert H. Titus  
*Biomedical Engineering*

Jinhui Xu  
*Computer Science and Engineering*

## SUNY Distinguished Professors

Stylios T. 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*

Quanxi Jia  
*Materials Design and Innovation*

David A. Kofke  
*Chemical and Biological Engineering*

Vladimir Mitin  
*Electrical Engineering*

Paras Prasad  
*Electrical Engineering*

Chunming Qiao  
*Computer Science and Engineering*

Krishna Rajan  
*Materials Design and Innovation*

Mark T. Swihart  
*Chemical and Biological 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  
*Chief Quality Officer, GlobalFoundries*

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

Paul Ameis\*  
*Chief Operating Officer, VanDeMark Chemical, Inc.*

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

Julie Cercone\*  
*Information Security Professional – Lead Analyst, Citi*

James Chou\*  
*Start-up Technology Executive*

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

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

Judy Feldman  
*Executive Vice President, Chief Information Officer, Value Centric, an IQVIA company (Retired)*

Mark Glauser\*  
*Professor Emeritus, Mechanical and Aerospace Engineering, College of Engineering and Computer Science, Syracuse University*

Karianne Gomez\*  
*Vice President, Lead Client Partner, Genpact*

Bill Harris  
*Director, Innovation Advisory Partners*

Cynthia A. Hoover\*  
*Executive Director, Linde Engineering Americas*

Rob Jacoby\*  
*Consultant to the Energy Industry and former Enterprise Category Manager, Royal Dutch Shell*

Joseph F. Kessler\*  
*Executive Vice President, Chief Operating Officer, New York Power Authority*

Steve Krenser\*  
*CFO, Alkuri Global Acquisition Corp.*

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

Mike Kurdziel\*  
*Principal Fellow and Engineering Director for the Chief Engineering Systems and Technology Group, L3Harris Technologies*

Gina Lee-Glauser\*  
*Vice President for Research, Syracuse University (Retired)*

Mark Santoro\*  
*Principal Engineering Fellow, Hardware Engineering Center, Raytheon Intelligence and Space*

Ashish Shah\*  
*Vice President of Research and Development, Viant Medical*

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

Stephen E. Still\*  
*Professor of Practice, Institute for Sustainable Transportation and Logistics, University at Buffalo*

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

Chris Wan  
*Founder, Dyno Group Inc.*

Jonathan Watts, P.E.\*  
*Director of Operations, Nelson Nygaard*

Jim Wehrfritz\*  
*Executive, Exxon and ExxonMobil (retired)*

Candace Yano  
*Kallbach Professor of Business Administration, Morris Chang Chair in Management of Technology Innovation, University of California, Berkeley*

\*School alumna/alumnus



*Baird Point is an outdoor, Greek-style amphitheater located on the southern shore of Lake LaSalle. It was a gift to the University from the Baird Foundation and the Cameron Baird Foundation. The marble columns on the concrete platforms were once part of the old Federal Reserve Bank in downtown Buffalo. Following their relocation to the lake, the columns were dedicated as a memorial to servicemen and servicewomen.*

# 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 15, 2023, and upon such others as may meet the requirements of their respective degrees. Candidates are listed according to actual date of degree conferral (August 2022, February 2023 and June 2023).*

## Academic Recognition Items

### **The Gold Cord**

This cord is awarded to bachelors degree recipients who are graduating with Latin honors.

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

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

### **The White Stole**

This stole was received by graduating members of Tau Beta Pi, an academic honor society representing the entire engineering profession.

### **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 2022

Aditi Patel  
Srinidhi  
Jilun Wei

### February 2023

Dhilakshanaa Ranjit  
Krish Subramanian

### June 2023

James Anthony Billingham  
Julia Diehl  
Jared W. Endres  
Aishwarya Kanchi Ranganath  
Vedang Dhruvkumar Patel  
Datta Teja Goud Ramagoni  
Uma Subramanian

## Master of Professional Studies in Data Sciences & Applications

### August 2022

Sai Prapulla Adivi  
Saad Azim  
Sai Sandeep Balabhadrapatruni  
Harsha Venkata Sai Prasad Billa  
Maneesh Reddy Bommireddy  
Abhishek Cheekatimarla  
Madhava Sai Vemana Cherukuri  
Venkata Mahendra Chimmili  
Venkata SriKarthik Damaraju  
Sravani Dulipalla  
Ratna Sri Gannamani  
Hillary Gesel  
Reddy Sreenivas Godi  
Edwin A. Hicks  
Meghana Jammula  
Likesh Krishna Karanam Muralidhar  
Sanchit Khurana

Pavan Sai harsha vardhan Kota  
Raja Nishant Chowdary Malladi  
Rahul Reddy Manda  
Sandhya Medam  
William Mueller  
Robert David O'Keeffe  
Chidubem Okoroza  
Nageswara Chaitanya Pullela  
Bhargav Singuluri  
Nathan Kyle Stephenson  
Hrshikesh Suvarna  
Hemanth Kumar Talla  
Prudhvi Talluri  
Glenn Ryan Thomakos  
Krishna Charan Thota  
Savitri Vemparala  
Sujani Vimjam  
Mayank Vir  
Venkatasainathareddy Yellamkuri

### February 2023

Manikanta Alluri  
Soumith Kumar Ananthula  
Vaibhav Barot  
Sooraj Bharadwaj  
Ms Ginia Chakraborti  
Shun An Chang  
Venkata Sai Phaneesha Chilaveni  
Pronata Chandra Datta  
Ravi Vinubhai Dayani  
Grishma Dharmendra Dihora  
Nikhil Dodda  
Vishal Sai Gadige  
Shakthivel Ganesan  
Shiva Jyothika Gigajarla  
Lovi Goyal  
Shreeram Gudemaranahalli Subramanya  
Sri Harsha Gullapalli  
Joel James  
Sheetal Jayaram Gowda  
Venkat Sai Kamalammagari  
Akshayah Karuppayammal Chinnasamy  
Chinmay Jayant Katpatal  
Prathamesh Bhanudas Khandade  
Revanth Krishna  
Vrshali Kulkarni  
Abhishek Kumar  
Swayonok Kundu  
Nischala Madupuril

Aniket Kamlander Maheshwari  
Vamsi Krishna Maradana  
Nirmalyan Mohanarangan  
Sri Balaji Muruganandam  
Harenee Narayanan  
Yash Sukhadeo Nimse  
Harsh Dhiren Nisar  
Nilay Sajal Patel  
Vaibhav Kanubhai Patel  
Meghana Pogula  
Abhishek Pughazhendhi  
Tejaswi Raavi  
Viroang Rawat  
Rahul Sabbineni  
Aditi Sathe  
Sukruth Sathyanarayana Vasis  
Bhadra Shah  
Charmi Nileshbhai Sheladiya  
Soumya Shukla  
Niroop Rahul Soma  
Abhishek Srinivasan  
Harshvardhan Santosh Tanpure  
Tamilarasan Thangavel  
Krishna Babu Vakkapatta  
Mohan Vellayan  
Akaash Venugopalan  
Vishal Ajith Mathew  
Sai Pavan Reddy Vonteddu  
Pengcheng Wan  
Qinwen Zeng

### June 2023

Ganeshreddy Annapareddy  
Vishnu Arikatla  
Nivea Rajesh Bekal  
Nandita Bera  
Sri Sai Chaitanya Bobburi  
Krishna Chaitanya Bodavula  
Jaswanth Chilaka  
Ajay Chilukuri  
Amar Ahmed Rafique Dharwadkar  
Sahithi Dodda  
Saiteja Gangavaram  
Yugandhar Gopisetty  
Subramanya Surya Kiran Gorthi Venkata  
Pauline Rathni Grace  
Chandrasekhar Gundluru  
Siddhant Gupta  
Xiao Hu

# Master's Degrees

Nithin Sai Jalukuru  
Venkata Aditya Janapati  
Navyaka Kandula  
Vikas Kodakandla  
Sai Saaketh Sharma Kolachala  
Rakesh Korrapati  
Sai Swaroop Kotra  
Sri Ram Datta Maddipatla  
Bala Sai Krishna Madduluri  
Xianzhe Meng  
Sujitha Raj Mudunuri  
Shrunga Nagaraj  
Yeshwanth Nelakurthy  
Pankaj  
Kishore Kumar Poduli  
Abhinav Reddy Ramini  
Subham Roy  
Vaishnavi Kirtikumar Sanghani  
Poorna Sowmya Satyawada  
Anudeepa Sodhanapalli  
Ranga Sai Saran Rohit Tananki  
Anjali Sarma Tanekella  
Dasharath Ram Teegala  
Shravya Chandrashekhara Yermal

## Master of Science in Chemical Engineering

**August 2022**  
George Robert Bainbridge  
Kaiwen Chen  
Radha Krishna Kumar  
Max Pupucevski

### February 2023

Kristy Hepfer  
Austin Nicholas Johns  
Michael John Neeson  
Disha Ravipati  
Shweta Singh  
Nathan Stawasz

### June 2023

Manas Agarwal  
Michael Chan  
Kai Chen  
Aniruddha Dutta  
Liam Gionis  
Nicholas O. Glover  
Sakthi Aadharsh Azhagar Gobinath Kavitha  
Vaishali Prabhu  
Harshit Hareesh Samani  
Varun Reddy Satti  
Raunak Rajendra Shirsath  
Arun Singh  
Sriram P. Tendulkar  
Mengqi Yuan

## Master of Science in Civil Engineering

### August 2022

Sebastian Baculima Chicaiza  
Paulette Baque  
Vincent P. Costagliola  
Paramtap Miteshbhai Lal  
Yeimy L. Munoz Ruiz  
Erlík Tomas Rodrigues

### February 2023

Ozan Can Celik  
Afif Allahma Farabi  
Ashim Koirala  
Adam Krathaus  
Chinmay Girish Kulkarni  
Walter Julian Michalski III  
Paul Robert Milliken  
Matthew Timothy Pestinger  
Ethan Reimondo  
Nandan Sadashiva  
Kriti Salwan  
Govindhan Shanmugam  
Juan Carlos Singaicho Armas  
Ismet Semih Uzuner  
Jacob Matthew Valensi

### June 2023

Rajender Bhanoth  
Wingky Chen  
Chris DeJohn  
Sanjay Kumar Reddy Guvvala  
Abbas Hossainy  
Haris Ismail  
Yaswanth Kadiyala  
James Richford Lang  
Sidratul Muntaha  
Jarrod Rizzi  
Jiatao Wu

## Master of Science in Electrical Engineering

### August 2022

Anthony Mohat Cabanillas  
Rein Kesse Mason  
Aarbaj Dastagir Mundaganur  
Shahabaj Mundaganur

### February 2023

Malles Aggu  
Spencer Anderson  
Dylan Roy Angora  
Basavaraj Satyappa Bagalkoti  
Adam Michael Cavallari  
Akshay Chandrashekar Raikar  
Devraj Naveen Chowdhary  
Yuqing Cui  
Akanksha Das  
Animesh Datta  
Arpitha David Geethanjali  
Ishita Dhopeswar  
Vishnu Priya Ganga  
Hrushiekesh Reddy Kanjula  
Vamsi Krishna Kokkilgadda  
Vaishali Vithal Maheshkar  
Subramaniyaraman Malarcode  
Krishnamoorthy  
Zachariah Mayo  
Zixia Meng  
Anirudh Pandey  
Ian James Pawluckie  
Sidharth Santhi Nivas  
Thomas Douglas Steven  
Subbiah Vaithyanathan Ku

Yathavan Subramaniam  
Kyle Pranry Tung  
Alexander J. Wuerch  
Zhaoxi Zhang

### **June 2023**

Ashraf Hasan Mohammad Al Bqerat  
Aleena Anil Kumar Nair  
Nicholas McNeil DeMita  
Scott Deremiah  
Philip John Gentz  
William Giegerich  
Emilie Heimark  
Andrew James Lauricella  
Haolun Li  
Weigang Lin  
Sai Pooja Reddy Nadimpally  
Parth Praful Nayak  
Daniel Joseph Pardo  
Dhruval Potla  
Arindam Sircar  
Moohilton Soosaippillai  
Kavyamee Talukdar  
Dylan Tua  
Emma Waldvogel  
Zhiyuan Zhao

### **Master of Science in Engineering Science; Artificial Intelligence**

#### **August 2022**

Hrishikesh Rajendra Agrawal  
Veer Bains  
Mukesh Ganeshram Choudhary  
Sri Amarnath Mutyala

#### **February 2023**

Gurvinder Singh  
Hitesh Kumar Balapanuru  
Surya Teja Bandlamudi  
Tyler A. Banks  
Manjunath Rao Chimbili  
Nandini Chinta  
Ratik Dubey  
Ranjithkumar Hiremath  
Harshit Monish  
Rohith Jayadevan Nair  
Prateeksha Singh

Aakar Sood  
Lunshu Sun  
Naman Tejaswi

### **June 2023**

Venkatanand Sai Duggirala  
Manikhanta Nalabolu  
Ifeanyichukwu Frank Okafor  
Lokesh Venkatesh

### **Master of Science in Engineering Science; Clean Energy**

#### **February 2023**

Yash Barche  
Amarnath Bala Murali Krishna  
Jacob Paul Vitko  
Daniel Zahlhas

#### **June 2023**

Jingye Guo  
Sri Lalith Mulukala

### **Master of Science in Engineering Science; Data Science**

#### **August 2022**

Rennith Oommen Abraham  
Manish Sharma Addanki  
Farhana Afroze  
Sumanth Alla  
Vijay Prathap Alugubelly  
Neha Prem Asrani  
Avantika  
Vamshivardhan Reddy Balannagari  
Vaibhav Kiraan Baskaran  
Neha Bhadauriya  
Madhurima Bhattacharya  
Srikanth Yashaswi Bhuvanapalli  
Hadhvika Bodepudi  
Sai Dattathreya Bolugoddu  
Phani Teja Bulusu  
Sai Harshith Chadaram  
Piyush Chandak  
Saiprasad Chekkapally  
Srivaibhavi Chenna  
Rohith Damgeti  
Jagan Mohan Reddy Danda

Sri Sai Pavan Somaraju Dandu  
Jatin Das  
Vaishali Devarakonda  
Ritish Babu Dodda  
Avinash Duppalapudi  
Evan Fox  
Rohith Gadaputi Subbammagari  
Venkata Shiva Subramanyam Gandluri  
Maruthi Garnepudi  
Navaditya Gaur  
Sai Venkat Pramit Godithi  
Tarun Goli  
Prem Sai Gudla  
Gulam Mohib Parihar  
Li Hsuan Hsieh  
Sri Naga Harshitha Jampani  
Nathaniel Nishanth Jason  
Mariya Johar  
Aditya Shivakumar Jotawar  
Vishnuvardhan Reddy Kaithapuram  
Koushik Kalluri  
Hemanth Kumar Katikala  
Dineshkumar Katta  
Gurjinder Kaur  
Harish Kavipurapu  
Pranay Reddy Kodumuru  
Maruthi Manoj Kolli  
Nithin Kolli  
Srikanth Kolli  
Rohith Krishna Konjeti  
Chaithanya Koorapati  
Bhargav Anudeep Koripalli  
Venkata Maruthi Sai Krishna Kowtha  
Lagan Kukreja  
Raghav Kumar  
Adithya Kuruba  
Swaraj Pawan Lede  
Spandana Mahadev  
Sai Medhini Reddy Maryada  
Akhil Masa  
Saisujay Masina  
Jaya Venkata Mohana Harsh Matlapudi  
Sai Teja Mattam  
Giri Sai Sriram Mullangi  
Harsha Vardhan Nakka  
Ramachandra Vamsi Krishna Nalam  
Harshitha Reddy Nallanagula  
Satwik Nallapati  
Balaram Revanth Namburu  
Serath Chandra Nutakki

# Master's Degrees

Vivek Patil  
Anoop Mathew Peringalloor  
Sandeep Perumalla  
Sai Lavaneesh Reddy Pothula  
Aman Prakash  
Sai Chandra Rachiraju  
Srikrishnan Ragunath  
Nikhitha Rajam  
Omkar Arun Rajguru  
Vinay Ravvarapu  
Singa Tharun Kumar Reddy  
Bhargav Devan Varma Rudraraju  
Tejaswini Sajjala  
Gargi Singh  
Shivam Raj Keshar Singh  
Charan Kumar Sunkara  
Makhtar Sylla  
Pavankumar Tammineedi  
Karan Udaysingh Thakur  
Varsha Thiruvengkatachary  
Shikha Tomar  
Prashant Upadhyay  
Sai Anush Reddy Udyala  
Venkat Kaushik Vadlamudi  
Dheeraj Vedula  
Baswanth Chowdary Vegunta  
Junlin Ye

## February 2023

Vamshi Adi  
Aishwarya Agarwal  
Pavan Kumar Aravapalli  
Rahul Arulkumaran  
Arnav Ashank  
Vignesh Ashok Kumar  
Ajinkya Athlye  
Bhavnish Attaluri  
Venkata Satya Surya Sai V Atyam  
Mehul Reddy Babu  
Krithika Balasubramanian  
Samar Batra  
Sachin Bettadahalli Satishkumar  
Aditya Subhash Bhanage  
Aakash Bhatt  
Ram Chandra Bhavirisetty  
Abhiraj Biswas  
Kuljot Singh Chadha  
Pranaya Challa  
Anvesh Chamanchula

Mohd Zaid Karimullah Chaudhary  
Chitvan Chauhan  
Mohith Raja Chava  
Gurpreet Chawla  
Yinxia Chen  
Ravi Raj Chenna  
Divyansh Chopra  
Megha Choudhary  
Ram Manohar Reddy Chundi  
Dhruv Dangwal  
Rahul Dhanapal  
Soham Sanjay Dhas  
Nikhil Kumar Dhatrik  
Manik Dhawan  
Ritu Dimri  
Jashaul Diwakar  
Jiakai Du  
Soumya Edlabadkar  
Muhammad Faique  
Vishwa Mukeshbhai Gajera  
Spandana Ganji  
Bharati Shirish Gawali  
Tanay Shriram Gawande  
Vishnu Ghosh  
Manideep Gongalla  
Greeshma Ann Mathew  
Aekansh Gupta  
Shuwei Hou  
Imran Anwar Rahman Khan  
Pradeep Jalamana Suresh  
Sol Jang  
Shreya Santosh Joshi  
Kaushik Junnuri  
Yaswanth Kumar Reddy Kaduru  
Tushar Vijaykumar Kalyani  
Atul Mohan Kamble  
Shrayesh Shrirang Kanade  
Sahana Kandukuri  
Vishnu Kanduri Sreenivas  
Sai Sri Krishna Karuturi  
Jhanvi Minzal Kasundra  
Ishpreet Kaur  
Nabeel Khan  
Sumedh Khodke  
Tejas Milind Khot  
Indeevara Kodam  
Vamsi krishna yadav Kondepu  
Anusha Kondle  
Arpan Shaileshbhai Korat

Praveer Kothari  
Sundararaman Krishnamoorthy  
Achal Kumar  
Suyash Kumar  
Spandana Kumbha  
Vimochana Kummur  
Dennis M. Kyalo  
Jiarui Liu  
Sanjay Aravind Loganathan Ravichandran  
Malavika Loka  
Lovleen Kaur  
Raghav Maheshwari  
Nishi Ajay Mandhana  
Parth Dilip Maniar  
Nikita Manwani  
Mohit Mathur  
Nisha Mazhuvanchery Anderson Boby  
Sai Varun Meka  
Rachit Meshram  
Muhammed Ali Jowher  
Sriram Muralidharan  
Arunkumar Muthusamy  
Pragati Nagar  
Rajiv Nagesh  
Anandu Sanil Nair  
Suchitra Krishnakumar Nair  
Srivallabh Narayan  
Ezhil Yohaventhana Nataraj  
Prajval Nataraj  
Avash Neupane  
Omar Ahmed  
Tejaswini Oruganti  
Yashwanth Paleti  
Akshay Pandey  
Divya Pandey  
Neeraj Pandey  
Yash Pandey  
Nikhil Chandra Panduranga Vittal  
Dharini Pargunan  
Sungjoon Park  
Harshit Pathak  
Saurav Pathak  
Piyoosh Kumar  
Naresh Yadav Pochaveni  
Aditi Poonacha  
Adith Prabukumar  
Andrew Pratt  
Kannu Priya  
Anurag Priyadarshi

Kumar Priyansh  
Om Hemantkumar Purohit  
Jagadeesh Raghu  
Sruthikeerthi Rajagopalakrishnan  
Rithani Rajeswari Selvaraj  
Medha Rajmohan  
Sruthi Ramesh  
Karthik Ramkumar  
Mohit Ramna  
Vijaya Rana  
Vivek Rana  
Mohammed Numan Rizwan  
Ishansh Manoj Sahn  
Priyanka Sahoo  
Aryan Saini  
Kamalnath Sathyamurthy  
Gurteg Sawhney  
Brandon Schoener  
Anubhav Sharma  
Madhulika Sharma  
Nikhil Sharma  
Khushmeet Singh Shergill  
Jaskaran Singh  
Piyush Raj Singh  
Ritum Singh  
Subham Kumar Singh  
Vivek Singh  
Satyam Sinha  
Bharathi Srinivasan  
Abhishek Srivastava  
Amritha Subburayan  
Krishnamurthy Subramanian  
Sri Hari Gopinath Thota  
Akhilesh Thurumalla  
Akhil Vaitla Janardhan  
Shanmukhanand Reddy Vanam  
Janaki Ram Varada  
Karthik Vasireddy  
Sanjana Veeram  
Venkata Manjith Kumar Red Vennapus  
Tejas Yeshwantrao Wandile  
Hao Wang  
Pooja Satish Wankhede  
Zhijie Xu  
Rakesh Yelisetty  
Mohammed Zama  
Wen Zhang

**June 2023**  
Yash Shreeganesh Abhyankar  
Shahyan Adil  
Akhil Kumar Bachu  
Suriya Badrinath  
Rohith Chandra Balagiri  
Rohit Basamgari  
Meghana Bollepalli  
Sanjana Chalavadi  
Shanmukhi Lavanya Chinta  
Abhinav Reddy Chintalapuri  
Mobin Uddin Ahmed Chowdhury  
Akhilniranjan Devidi  
Samhitha Reddy Gaddam  
Yashwanth Reddy Garlapati  
Srikar Reddy Gopaladinne  
David Huang  
Siddhi Satish Jadhav  
Sai Deep Juluri  
Jagath Sai Narayana Kakaraparty  
Kaushik Sai Kambhampati  
Akhil Katha  
Indrani Kattamuru  
Sagar Ashok Khandagle  
Abhinav Kolli  
Sreelekha Komma  
Vyuh Kurapati  
Venkata Sindhuja Mamidi  
Sarvani Nandipati  
Nisarg Negi  
Yashesh Pandya  
Venkateswararao Para  
Naga Venkata Sai Lokesh Parimi  
Vishal Kumar Pinisetty  
nikhilesh reddy Popuri  
Vijaya Lakshmi Pothula  
Gowtham Kumar Puttareddy  
Chaitra Putumbaka  
Karthik Rallabhandi  
Briyana Benjamin Rana  
Cheruku Architha Reddy  
Divya Reddy Sangapatnam  
Shankaram Saravanan  
Himanshu Sharma  
Abhiram Thrivarna Siddoju  
Sneh Kumar  
Pavana Chandana Surasura  
Sai Koushik Teddu  
Kaviyaa Vasudevan

Shraddha Shankar Waphare  
Madan Mohan Reddy Yedugoori

### **Master of Science in Engineering Science; Engineering Sustainability**

**August 2022**  
Shannon Rose Keane

**February 2023**  
Sean Gregory Cunnion  
Brenna Donovan  
Kyle James Ritts  
Brian Smist  
Felicia Madison Vanier

**June 2023**  
Valton Emile Barnes Jr  
Wyatt Cudney  
Alexandra Marie Fletch  
Kaitlin A. Ludwig  
Jack Marron  
Marc Anthony Rohrbacker  
Salihah Sayeed  
Sydney Schwartzott

### **Master of Science in Engineering Science; Internet of Things**

**February 2023**  
Dan David Alex  
Yamini Venkatesh Iyengar  
Naga Kiran Reddy Karnati  
Ivan Mei  
Neha Mishra  
Bharath Reddy Neeruganti  
Rachna Vijay Pandya  
David C. Satterlee  
Nikitha Thomas  
Lee Toffolo

# Master's Degrees

## June 2023

Rahat Bhalla  
Sampath Garimella  
Rohith Kalige  
Rohith Srinivas Raghavan  
Vignesh Shanmugam  
Rohitha Raj Thota

## Master of Science in Engineering Science; Robotics

### August 2022

Ben Cutri  
Varun Gupta  
Feng Liu  
Abhishek Patel  
Rishi Satyanarayan Vedula

### February 2023

Yash Rajesh Awate  
Christopher James Baker  
Rishabh Satish Changwani  
Apurva Sunil Chavan  
Yi Hsuan Chen  
Ralfy Francis Chettiar  
Eric Chou  
Kristian Stafford Dalland  
Anthony R Demartino  
Chaitanya Desai  
Mit Dhansukh Desai  
Saurabh Sanjay Deshmukh  
Sanket Ganesh Dhande  
Manasa Dhumpa  
Neil Jayesh Doshi  
Akhil Goyal  
Devika Gunnapaneni  
Rajit Halder  
Sy-Wei Ho  
Piyush Rajendra Jain  
Pratik Rajendra Jedhe  
Yuhe Oswin Ji  
Sahithi Kalva  
Pritisman Kar  
Affan Ali Hasan Khan  
Arshad Arif Khan  
Shahrukh Khan  
Aaditya Nitishkumar Khare  
Sannihith Kilaru

Michael Kim  
N Venkata Krishnam Raju Lakkamraju  
Jiajie Li  
Robert C Lott  
Qinhan Ma  
Pratik Santosh Malani  
Nathan Maurer  
Pranay Meshram  
Ghulam Murtaza  
Ajit Gajanan Mutalik  
Nitish Kumar Naineni  
Chetan Palkar  
Anurag Pandey  
Alexander Cristos Papas  
Jay Parikh  
Digvijay Patil  
Pratik Satish Patil  
Shrikar Pochammala  
Mohammed Haziq Quazi  
Mohd Anas Qureshi  
Gayatri Ranade  
Himadri Roy  
Atharv Makarand Saraf  
Udbhav Saxena  
Yash Sanjay Shah  
Babar Ahmed Shaikh  
Mohammad Abdullah Shaikh  
Mehvish Shamshad  
Aman Sharma  
Ashish Kumar Singh  
Shivendra Srinivas  
Raju Tadisetti  
Krunal Narottam Thakkar  
Cheng-Yin Tu  
Sabariis Venugopal Sankaranarayana  
Vivek Wadegaonkar  
Jingqi Wang  
Jhoel E. Witter  
Mustapha Wolly  
Shilun Xu

### June 2023

Sai Karthik Mahesh Reddy Chaganti  
Charmin Pritesh Desai  
Jaya Sanker Reddy Eeda  
Malhar Milind Khairnar  
Mason Kyi  
Mohamed Muharriz Mafaaz  
Arjun Singh Marjara  
Kundan Surya Teja Nanda

Ninad Janakkumar Panchal  
Dhruv Patel  
Tejesshwar Ramachandran  
Khushal Sharma  
Zhihe Shi  
Harisumukh Suresh Reddy  
Venkata Harikrishna Talapala  
Sharan Vijayaragavan  
Kody Tyler Weber  
Shengyan Xu  
Venkata Sai Kiran Yelchuri  
Tianchen Yu  
Fei Zhu

## Master of Science in Environmental and Water Resources Engineering

### February 2023

Emily L. Blanchard  
Prashant Kiran Deherikar  
Sarah Juliet Kisiel  
Laura Katherine Rosten  
Charlotte Ann Rutnik  
Elisabeth Tara Stowell  
Brandon Surdi  
Ehsan Ul Hoque Tanim

### June 2023

Connor Paul Bannoche  
Brithney J. Malchan

## Master of Science in Materials Design and Innovation

### August 2022

Erik H. Schaub

### February 2023

Yannick Iniatius Mavita Gata  
Qinrui Liu  
Gbassey Stephanie Oteme  
Nutan Deepak Sali

### June 2023

Md Tohidul Islam

## **Master of Science in Sustainable Transportation and Logistics**

### **August 2022**

David Stinson Bates  
Hao Wang

### **February 2023**

Dany Abraham Santhosh  
Rukasen Bey  
Nicholas W Boulton  
Eniyachandramouli Gunasekaran  
Cade Kennedy  
Stephan Monpremier  
Nathanael Niles  
Thanan Thanakekhun

### **June 2023**

Ryan Michael Egan  
Mohammed El hassan Seed Ahmed Seed  
Ahmed  
Aniket Arun Shrirang  
Shannon Zheng



# Doctorate Degrees

## Recommending Candidates for Degrees

Kemper Lewis  
Dean

## Doctor of Philosophy in Chemical Engineering

### August 2022

Arpit Bansal  
Major Professors: Johannes Hachmann, David Kofke

Aditya Sonpal  
Major Professor: Johannes Hachmann

Gaurav Vishwakarma  
Major Professor: Johannes Hachmann

### February 2023

Christian Ferger  
Major Professor: Marina Tsianou

Saber Meamardoost  
Major Professor: Rudiyanto Gunawan

Nika Rajabian  
Major Professor: Stylianos Andreadis

### June 2023

Emmanuel Reginald Jacques  
Major Professor: Paschalis Alexandridis

## Doctor of Philosophy in Civil Engineering

### August 2022

Shaopeng Li  
Major Professor: Teng Wu

Angshuman Mukul Saharia  
Major Professor: Joseph Atkinson

Marzieh Shahraki  
Major Professor: Anthony Tessari

Mohammad Syed  
Major Professors: Negar Elhami - Khorasani, Pinar Okumus

### February 2023

Sheikh Shahriar Ahmed  
Major Professor: Panagiotis Anastasopoulos

Homero Fernando Carrion Cabrera  
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Snehasagar Gopagani  
Major Professors: Amjad Aref, Andre Filiatrault

Ehsan Osloub  
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### June 2023

Maria Fedorova  
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## Doctor of Philosophy in Computational and Data Enabled Sciences

### August 2022

Tianmou Liu  
Major Professor: Rachael Hageman Blair

Abhishek Mishra  
Major Professors: David Salac, Matthew Knepley

### February 2023

Amol Salunkhe  
Major Professor: Varun Chandola

### June 2023

Daniel Stephen Finn  
Major Professor: Matthew Knepley

Renette L. Jones-Ivey  
Major Professor: Abani Patra

Darsh Nathawani  
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## **Doctor of Philosophy in Electrical Engineering**

### **August 2022**

Innem Venkata Anudeep Kumar Reddy  
Major Professor: Josep M. Jornet

Hemendra Nath Jaiswal  
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Ali Kefayati  
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Keke He  
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Hongyu Li  
Major Professor: Lei Ying

Xianglong Miao  
Major Professor: Qiang Liu

Shivam Sharma  
Major Professor: Uttam Singiseti

Shenchu Yin  
Major Professor: Jonathan Bird

### **June 2023**

Sabarish Krishna Moorthy  
Major Professor: Zhangyu Guan

Lalit Kishore Marepalli  
Major Professor: Luis Herrera

Vaishak Prathap  
Major Professor: Albert Titus

Ankit Sharma  
Major Professor: Uttam Singiseti

## **Doctor of Philosophy in Materials Design and Innovation**

### **August 2022**

Devyani Ganesh Jivani  
Major Professor: Olga Wodo

### **February 2023**

Pinku Roy  
Major Professor: Quanxi Jia

### **June 2023**

Derek Lee  
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Jonathan Folmsbee, President

*Chemical and Biological Engineering GSA*  
Bui Vinh, President

*Civil, Structural and Environmental Engineering GSA*  
Gregory Congdon, President

*Computer Science and Engineering GSA*  
Pankanti Smarana, President

*Electrical Engineering GSA*  
Galib Roisul Hasan, President

*GradSWE at UB*  
Patidar Krutika, President

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Nastaran Oladzadabbasabady, President

*Materials Design and Innovation GSA*  
Shinyavskiy Dmitry, President

*Mechanical and Aerospace Engineering GSA*  
Stein Adrian, President

*UB AI*  
Shubham Pandey, President

# History of the School of Engineering and Applied Sciences

*In celebrating this commencement, the School of Engineering and Applied Sciences (SEAS) marks 77 years of educational and research excellence and service to the technology 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, 100 years after the University at Buffalo was founded, the School of Engineering was established. The school was initially 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 of the school 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, and four years later, in 1989, the unit changed its name to the School of Engineering and Applied Sciences.

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. Since that time, three new departments have been created. In 2010, a new Department of Biomedical Engineering was formed in collaboration with the Jacobs School of Medicine and Biomedical Sciences at UB. Then 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 a long way since 1946, when it first held courses in the newly dedicated Karr Parker Engineering Building on South Campus. Parker Hall was immediately enlarged to accommodate traditional students and returning G.I.s 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. Davis Hall opened in 2011, featuring 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, Baldy Hall and Lockwood Memorial Library. To

accommodate this continued growth, the school plans to construct a new \$102 million building on the North Campus that features collaborative spaces for student clubs, maker space, and facilities that support entrepreneurship and student startups. Supported by \$68 million in funding from New York State, the new building will be an embodiment of our vision for 21st-century engineering: collaborative, innovative, entrepreneurial, and exciting.

## 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 77 years, 13 distinguished educators have served as leaders of the school. In 1946, Paul E. Mohn became the first dean. His 13-year tenure as dean lent stability to the young school. Frederick H. Thomas served as acting dean from 1959–1960. E. Arthur Trabandt was dean from 1960–1966; and Howard E. Strauss was acting dean from 1966–1967. When the Faculty of Engineering and Applied Sciences became the administrative body of engineering at the University at 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 and dean from 1971–1977. George C. Lee took office as dean in 1978, serving 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 from 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 vision with the invaluable support of our dedicated staff, students, alumni, friends, and 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. Forty-six of our faculty have been elected as fellows of engineering professional societies and 44 are National Science Foundation Early Career Award winners. In the past three years, five 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

SEAS was an early innovator in reforming the traditional preparation of 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 societal needs. SEAS is the home of such prominent interdisciplinary research and educational programs as the Biology with X-ray Free Electron Lasers (BioXFEL) Science and Technology Center; Blockchain ThinkLab; Cell, Gene and Tissue Engineering Center (CGTE); Center for Hybrid Rocket Exascale Simulation Technology (CHREST); Center for Multisource Information Fusion (CMIF); Center for Space Cyber Strategy and Cyber Security; Center for Unified Biometrics and Sensors (CUBS), Center of Excellence in Information Systems Assurance Research and Education (CEISARE); Institute for Artificial Intelligence and Data Science (IAD); Multidisciplinary Center for Earthquake Engineering Research (MCEER); 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 of Bridge Engineering (IBE); Stephen Still Institute for 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 eEnergy, Environment and Water (RENEW) Institute. Our total research expenditures for the current year were \$90 million.

Historically, SEAS' 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 41,000 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 work to be done. We take great pride in training the next generation of engineers and applied scientists 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).



*Grace Plaza, an oasis connecting the engineering buildings.*

# UB Engineering and Applied Sciences Alumni Association Letter

Dear Class of 2023,

Commencement is a sacred time shared across the entire University at Buffalo community. It is an important rite that recognizes and celebrates your diligent work and remarkable achievements. Most importantly, this exclusive ceremony welcomes you into the prestigious few that can call themselves University at Buffalo alumni.

This spring, perhaps your last semester here at UB, is a time you, your friends, and your families have been anticipating for many years. Good years, certainly. But difficult years too. During your time at UB, the entire world navigated a global health crisis of unprecedented magnitude. And as you exit UB, you will enter an unpredictable and uncertain world threatened by calamities known and unknown.

Yet I know that each of you is resilient and can persevere through difficulty of every magnitude. After all, you are UB engineers and computer scientists. 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 all around the globe. Today, you join - and will improve upon - this rich tradition of excellence.

However, success cannot 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 impact in the future 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 41,000 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, University at Buffalo Engineering and Applied Sciences Alumni Association*

## The 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)*

# UB Alumni Association Letter

**Dear Members of the Class of 2023,**

Congratulations! On behalf of the UB Alumni Association, I'm delighted to welcome you to your global network of more than 293,000 alumni. We're proud of all you have accomplished.

As you begin your next chapter, please stay in touch! We have many ways for you to remain connected—to UB and to each other—through email and social media, as well as 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).

If you have questions about how to stay involved, contact the Office of Alumni Engagement at [ub-alumni@buffalo.edu](mailto:ub-alumni@buffalo.edu).

Remember, this isn't goodbye—it's WELCOME to the UB alumni family. We know you'll always be True Blue and proudly keep your Horns Up, wherever you go and whatever you do.

Go Bulls!

*Darshon Jayasinghe*

Darshon Jayasinghe, BA '03  
*President, UB Alumni Association Board of Directors*

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

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## **ON THE COVER**

The modern seal for the University at Buffalo harks back to a design adopted in 1923 to reflect the evolution of the university from separate schools into a more close-knit organization. Though the seal has been revised several times over the decades, the foundational elements remain: a proud bison signifying the City of Buffalo atop a shield supported by the palm leaves of victory and emblazoned with the flames of wisdom.