



2024

UB University at Buffalo
The State University of New York

SEVENTY-FIFTH ANNUAL



SCHOOL OF ENGINEERING AND APPLIED SCIENCES
COMMENCEMENT
GRADUATE CEREMONY 1

Saturday

May 18, 2024

9:00 AM

Alumni Arena

North Campus

Kemper E. Lewis

Dean

Land Acknowledgment Statement

We would like to begin by acknowledging the land on which the University at Buffalo operates, which is the territory of the Seneca Nation, a member of the Haudenosaunee/Six Nations Confederacy. This territory is covered by The Dish with One Spoon Treaty of Peace and Friendship, a pledge to peaceably share and care for the resources around the Great Lakes. It is also covered by the 1794 Treaty of Canandaigua, between the United States Government and the Six Nations Confederacy, which further affirmed Haudenosaunee land rights and sovereignty in the State of New York. Today, this region is still the home to the Haudenosaunee people, and we are grateful for the opportunity to live, work, and share ideas in this territory.



Program

Processional

Selections from *Pomp & Circumstance*
by *Edward Elgar*

Opening Declaration

Francine Battaglia
Mace Bearer, Professor and Chair,
Mechanical and Aerospace Engineering

Welcome

Jeffrey R. Errington
Senior Associate Dean for Academic Affairs,
School of Engineering and Applied Sciences

National Anthem

Kira Whitehead
BFA, Music Theatre '24

Introductions

Senior Associate Dean Errington

Greetings

Satish K. Tripathi
University President

Remarks

Kemper E. Lewis
Dean, School of Engineering and
Applied Sciences

University at Buffalo President's Medal

Venu Govindaraju
SUNY Distinguished Professor
Vice President for Research and
Economic Development

President Tripathi

Student Address

Rudram Bhimpure
MS, Computer Science and Engineering '24

Conferring of Degrees

President Tripathi

Alumni Welcome

Nathaniel Bolt, BS '11
President, UB Engineering and Applied
Sciences Alumni Association

Alma Mater

Kira Whitehead
BFA, Music Theatre '24

Closing Declaration

Francine Battaglia

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 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.



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. In 2022, 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.

In 2024, Tripathi was elected to the American Academy of Arts and Sciences. A fellow of IEEE and 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 is co-chair of the Association of American Universities (AAU) Task Force on Expanding U.S.-India University Partnerships, and he serves on the College Football Playoff Board of Managers. Previously, he was chair of the Mid-American Conference Council of Presidents and Internet 2. He also served on the boards of the AAU, the NCAA Division I, the NCAA Board of Governors, the Association of Public and Land-Grant Universities and the Council for Higher Education Accreditation.

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. 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 serves on New York's Hazardous Waste Facility Siting Board for Chemical Waste Management. He is a former board member and current advisory committee member of the United Way of Buffalo and Erie County.

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.

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.

University at Buffalo President's Medal

Venu Govindaraju, PhD '92

SUNY Distinguished Professor

Vice President for Research and Economic Development



Venu Govindaraju, PhD, is UB's vice president for research and economic development and a SUNY Distinguished Professor of computer science and engineering. He established UB's Institute for Artificial Intelligence and Data Science, National AI Institute for Exceptional Education and is the founding director of the Center for Unified Biometrics and Sensors.

An international authority in artificial intelligence, Govindaraju is credited with major conceptual and practical advances with six books, six patents and close to 500 refereed publications.

He has received numerous peer honors and is a fellow of the National Academy of Inventors (2015), Society for Optics and Photonics (2013), American Association for the Advancement of Science (2010), Association of Computing Machinery (2009), Institute of Electrical and Electronics Engineers (2006) and International Association of Pattern Recognition (2004). He received the Outstanding Achievements Award from the International Conference on Document Analysis and Recognition (2015) and the IEEE Technical Achievement Award (2010).

Govindaraju's seminal work in handwriting recognition was at the core of the first handwritten address interpretation system used by the U.S. Postal Service. He has active and continuous grant awards from the National Science Foundation. Throughout his 25-year career he has secured more than \$95 million in sponsored funding from industry and state and federal agencies, including a \$20 million grant from the NSF and the Institute of Education Sciences to establish the National AI Institute for Exceptional Education.

Govindaraju earned his bachelor's degree with honors from the Indian Institute of Technology, Kharagpur—where he was awarded the Distinguished Alumnus Award (2014)—and a PhD from UB. In a teaching career spanning more than two decades, he has graduated 44 doctoral and 17 master's students as their primary thesis advisor. He received UB's Excellence in Graduate Student Mentoring Award in 2016.

UB President's Medal Recipients

1990	Charles M. Fogel
1992	William B. Hoyt*
1993	Northrup R. Knox Robert Wilmers John L. Hettrick Sr.
1994	Robert H. Rossberg
1995	George C. Lee
1996	Irving Freedman
1997	Philip B. Wels
1998	Lawrence P. Castellani
2000	Mary E. Randolph John N. Walsh III
2002	Robert J. Wagner
2003	Reginald B. Newman II
2007	Stephen C. Dunnett
2008	Robert Genco
2010	Robert G. Shibley
2012	Angelo M. Fatta Bruce D. McCombe
2013	Diane R. Christian Edmond J. Gicewicz
2014	Robert D. Gioia Nancy H. Nielsen
2015	John T. Ho Gerald S. Lippes
2016	Paras N. Prasad Claude E. Welch Jr.
2017	Margarita L. Dubocovich Francis M. Letro
2018	Michael E. Cain Laura E. Hubbard Cristanne Miller
2019	Amit Goyal Amanda B. Nickerson
2020	Jean Wactawski-Wende
2021	Dexter Johnson Peter A. Rogerson
2022	Sargur N. Srihari*
2023	Oren R. Lyons

* Awarded posthumously



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.

Dean's Award for Achievement

Dr. Bahl will be recognized at Graduate Ceremony 2

Victor Bahl, BS EE '86, MS EE '88



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 Victor Bahl. Victor Bahl, BS EE '86, MS EE '88 is a technical fellow and chief technology officer of

Azure for Operators in Microsoft Strategic Missions and Technologies division. Prior to this, he was the founding director of networking research in Microsoft and a member of the senior leadership team in Microsoft Research. With over 35 years of industry and research experience, Dr. Bahl advises Microsoft's CEO and senior leadership team on long-term strategy related to NextG, edge computing, cloud infrastructures, networked systems, mobile computing & wireless systems. He is the original co-inventor of the edge computing paradigm and architecture and thought leader behind industry-wide edge computing products. He is also one of the architects of the telecommunications and cloud convergence strategy that led to the creation of Microsoft's Azure for Operators business.

Dr. Bahl has delivered numerous foundational technologies to Microsoft Azure, XBOX and Windows that also span the industry. They shaped new datacenter architectures, new networking protocols and optimizations, new network management systems and new consumer experiences. A few well-known technologies he delivered include the world's first Wi-Fi hotspot network, the world's first radio frequency based indoor localization system, the world's first Multi-radio network and the world's first wireless virtualization architecture. His evangelism and technical contribution and advocacy of dynamic spectrum access led to the United States FCC opening 180 MHz of spectrum for unlicensed use. He has published over 130 papers with over 76,000 citations; he is the author/co-author of over 200 patents and has won three test of time and four best paper awards. For his professional and research leadership he has received numerous prestigious awards including four lifetime achievement awards from the ACM and IEEE organizations. He is the founder/co-founder of ACM SIGMOBILE, MobiSys, GetMobile and several other important conferences and journals. He received his BSEE and MSEE degrees in 1986 and 1988 from the University at Buffalo and his Ph.D. in 1997 from the University of Massachusetts Amherst. Dr. Bahl is a Fellow of ACM, IEEE, and AAAS. The University at Buffalo is honored to recognize Victor Bahl 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
- 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.
- 2023**
Laura J. Pyrak-Nolte, BS'81
Distinguished Professor of Physics and Astronomy, Purdue University

Student Speaker

Rudram Bhimpure

Computer Science and Engineering



Rudram Chandrakant Bhimpure from Pune, Maharashtra, India, graduates with a Master of Science in Computer Science & Engineering. During his time at UB, he served as a Graduate Ambassador for the School of Engineering and Applied Sciences, aiding international students in assimilating into UB's community. Additionally, Rudram has represented UB as a Student Engagement Ambassador at the UB Advancement

Office. He actively participated in international student outreach events and has held Software Engineer positions at LTIMindtree and Coditas. Rudram's interests span biking, poetry, and writing.

Alumni Speaker

Nathaniel Bolt, BS '11

President, UB Engineering and Applied Sciences Alumni Association



Nate Bolt graduated from UB in 2011 with his BS in Civil Engineering and his MBA from Niagara University in 2014. He began his career working for Turner Construction within many roles including field engineer, assistant superintendent, cost engineer and project manager. Notable projects he has been on with Turner include UB Davis Hall, Kaleida GVI, Children's Hospital of Buffalo, Niagara Wheatfield Schools and Lockport

Schools Capital Projects. Nate is now the Assistant Director of Construction Delivery for UB Facilities, a role that involves overseeing the teams of project managers, estimators and self-perform group for the majority of construction projects at all three campus locations.

He serves on multiple boards including the UB Engineering and Applied Sciences Alumni Association, Cornerstone Community Federal Credit Union Committees and the Lockport Ice Arena. Nate enjoys spending time with his wife and young daughter, attending UB Bulls games and mentoring students.

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 Recognition, SUNY Distinguished Professor, Industrial and Systems Engineering

Jeffrey R. Errington
Senior Associate Dean for Academic Affairs, Chemical and Biological Engineering

Moises Sudit
Associate Dean for Research, Industrial and Systems Engineering

Kristen R. Moore
Associate Dean for Equity and Inclusion, Department of Engineering Education, Department of English

Kevin M. Burke
Associate Dean for Student Affairs, Electrical Engineering

Department Chairs

Jonathan P. Bird
Electrical Engineering

Francine Battaglia
Mechanical and Aerospace Engineering

David Doermann
Computer Science and 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

Yun Wu
Biomedical Engineering

SUNY Distinguished Professors

Stylios T. Andreadis
Chemical and Biological Engineering

Rajan Batta
Industrial and Systems Engineering

Ann M. Bisantz
Industrial and Systems Engineering

Michel Bruneau
Civil, Structural and Environmental Engineering

Deborah Chung
Mechanical and Aerospace 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

Thomas Thundat
Chemical and Biological 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

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

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

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 Kreenser*
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 alum

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 13, 2024, and upon such others as may meet the requirements of their respective degrees. Candidates are listed according to actual date of degree conferral (August 2023, February 2024 and June 2024).

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 Engineering Management

August 2023

Jose Emanuel Escobar
Paul J Luksik
Dakota Tyler Mattia
Austin Santora
Yusuf Shodunke

February 2024

Mousa Abdulghani
Timothy Johan Mirko Boskovic
Eric Bravo
Rory Michael Callahan
Wolfgang Celentano
Abraham Makkawi
Denil Vadakkemanni Onnittan
Michael Pliszka
Erin Reich
Lucas David Robinson
Joseph Robert Scheda
Raiyan Mohammed Siraj
Samantha Ashley Tortoriello
Swathi Venkataram
Milovan Vugdragovic
Jack Wolff
Zachary Wong

June 2024

Pramit Bhattacharya
Anthony M Calabrese
Danielle Lorene Chevalier
Shadman Chowdhury
Stephen Joseph Colodner
Joshua Paul Cooper
Ignacio Daniel De la Cruz Popa
Andy Deng
Matthew P. Duggan
Anees Eisouh
Renaldo Andrew Erskine
Matthew Fattibene

Amy Elizabeth Faville
Jared Michael Hallberg
Hayley Ann Hastings
Cody Hunt
Sarah Anna Kintzel
Carl Heng Lam
Jared Landau
Wilbert Lehi Minoso
Wyatt Thomas Mock
Aniket Narvekar
Caleb Thomas Nickens
Allison Pereira
Taylor Phelps
Matthew Pupko
Nurhana Nancy Rizal
Md Sakib
Kerwin Trenard
Herging Victor
Peter Charles Vogel
Parker J Woodard

Master of Science in Aerospace Engineering

August 2023

Ethan D Ackerman
Leif-Axel Berg
Nicholas Deitrich
Vamsi Krishna Kodati
James Roetzer

February 2024

Danny Brennan
Nathan Edward Hauk
Zhanfeng He
Jake Lee
Jared McMahan
Matthew Anthony Montera
Bhanupriya Narumalla
Kenneth Fai Poon

June 2024

Nicholas Anthony Accuosti
Logan Allen Andrzejewski
Gavin Mathias Armstrong
Achira Boonrath
David Ficarra
Harrison Goldstein

Aman Raza Raza Hussain
Sean Doyle Kloss
Bindu Bhargavi Malladi
Amrith Mariappan
Nicholas Adam McNally
Ian Alan Morse
Nathaniel Pierre Near
Tyler O'Connor
Alexa Lynne O'Leary
Bharath Varma Penumatsa
Andrew Swenson
Kuan Ta Wu

Master of Science in Computer Science and Engineering

August 2023

Sougato Bagchi
Zhengyong Chen
Yash Prakash Chetnani
Meghana Reddy Chigarapalle
Shreya Reddy Gouru
Abhishek Kumar
Utkarsh Kumar
Xueping Leng
Prashanth Nalla
Vishnu Kiran Nemani
Anusha Ramkumar Valakonda

February 2024

Taraka Rohit Adusumilli
Sreshta Aenugu
Shalini Agarwal
Rishab Aggarwal
Vatsal Aggarwal
Naman Agrawal
Ijjaj Ahmed
Saad Ahmed
Akshay Ajith
Manpreet Ajmani
Divya Muralidharan Akampadath
Madhavi Akupathny
Sai Sarath Kumar Alavakonda
Chandra Kiran Alla
Shubham Sunita Ambavale
Sampath Ammula
Parth Anand

Master's Degrees

Chirun Teja Ananthaneni
Tony Jason Anga
Jaswanth Reddy Angeri
Vaishnavi Anil Bhide
Mallikharjuna Rao Annam
Viveka Siva Naga Nithin Annam
Hemanth Krishna Sai Ram Aradhyula
Govardhan Arikatla
Abhay Arnikar
Sai Vineeth Arumalla
Ashwin Ashok
Shruti Asthana
Veera Venkata Naga Neelesh Atchuta
Venkata Hemanth Athota
Venkata Bala Vamsi Atukuri
Ayesha Humaera
Sai Abhinav Reddy Badinehal
Harshavardhan Baira Reddy
Sanjay Balasubramanian
Rajesh Bammidi
Vijayavani Bandi
Namrata Banerjee
Rajeshwari Barman
Aakash Baruva
Ithihas Reddy Basireddy
Varshitha Veena Bathula
Pranav Bellam Prasad
Rachna Trilok Bhatia
Prakhar Bhatnagar
Varun Chetan Bhatt
Tejas Gajanan Bhitte
Naveen Bhogavalli
Harsha Vardhan Bitra
Blessy Boby
Neelima Srilakshmi Bollempalli
Harshavardhan Reddy Bommireddy
Goutham Chadalla Manjunath
Deepthi Chadive
Koushani Chakrabarty
Hanumanth Ram Sai Jeetesh Chamana
Arshiya Chand
Kunal Chand
Kriti Chapagain

Pavan Kumar Chella
Ram Sree Rohith Chemukula
Tianyu Chen
Ram Kashyap Cherukumilli
Heet Jatin Chheda
Santhosh Reddy Chilaka
Teja Naveen Chintapalli
Mahimitra Chirala
Lakshmi Naga Khyathi Chittineni
Ayush Choudhary
Hrushikesh Nitin Choudhary
Lakshay Dahiya
Ayushi Daksh
Harshitha Damineni
Naga Brahma Krishna Sumanth Re Dasi
Chittrak Vimalbhai Dave
Jason DCosta
Diptangshu De
Deepanshu
Sai Sree Depa
Thrishal Reddy Desam
Niharika Vilas Deshmukh
Tanmay Shirish Deshmukh
Sai Sankeerthana Desireddy
Kushan Devarajegowda
Thilak Reddy Dharam
Shreya Dhareshwar
Varshith Dirisala
Nikhila Doddapaneni
Amrutha Dokkadi
Ranjith Kumar Reddy Dumpala
Sai Charan Reddy Duvvuru
Govinda Madhavan Eerella
Rohan Eli
Haohua Feng
Sanjana Gadagoju
Dharma Karan Reddy Gaddam
Ankit Nigam Gajjala
Rohith Sai Gamini
Ajaykumar Ganapathy Palaniswamy
Mohit Sunil Gandhi
Lakshaye Vaikunth Ganesh Kumar
Venkata Naga Sai Jaideep Gangaraju

Vijitha Gangineni
Lalitha Priya Garigapati
Danussh Garlapati
Akanksh Gatla
Sanket Rajesh Gattani
Rakesh Kumar Gavara
Sahil Sunil Gharat
Prashant Godhwani
Dheeraj Sai Gogineni
Venkata Satvik Gogineni
Manikanta Kalyan Gokavarapu
Akhila Golla
Hemanth Kumar Reddy Gorla
Nithyashree Govindarajan
Rakshith Venkatesh Murthy Gowda
Tushar Goyal
Sushanth Grandhi
Sai Svas Gudimalla
Ashok Reddy Gujjula
Dhiraj Gunasheela
Adikavya Gupta
Kapil Kumar Gupta
Shruti Gupta
Siddhant Gupta
Tanmay Gupta
Vinuthna Reddy Gutha
Hamza Hafiz
Ronak Hareesh Chhatbar
Divyajyothi Kashinath Hiremath
Pin Kuan Hsieh
Chris Humphry
Sainath Reddy Hyderabad
Sowmya Vaidyalingan Iyer
Abel Jacob
Sarthak Jain
Sreemithra Jaladi
Vamshi Jamalpur
Sai Charan Varma Jampana
Sai Kiran Janga
Shubh Jaroria
Ashwin Kumar Jayakumar
Praveen Reddy Jonnalagadda
Anagha Vivekanand Joshi
Suryakanth Joshi

Yash Shashikant Joshi
Ruthika Juluri
Sri Sai Charan Kachavarapu
Shylesh Kadam
Nithin Goud Kaira
Kajol
Hrishikesh Deepak Kakkad
Sai Shivani Kalavagunta
Vineet Kalghatgi
Sai Mitra Kamasani
Jeyendra Srinivas Datta Kanaparthi
Shridhar Reddy Shrinivas Kancharla
Tanvi Prakash Karenavar
Shrishti Lakshmesh Karkera
Karthik Ramanan
Yasaschandra Naga Sai Kasaraneni
Shreya Reddy Katipelly
Uma Maheshwar Gupta Katta
Jasleen Kaur
Sai Prasanth Kethavarapu
Mohiuddeen Khan
Sarthak Khandelwal
Naman Khurpia
Dheeraj Kolla
Vikas Reddy Kondakalla
Sai Abhilash Kondepati
Jagadish Chandra Kongara
Jahnavi Kota
Meher Preethi Kotha
Dhvani Mitesh Kothari
Vaishnavi Koyyada
Dheeraj Kukkadapu
Rahul Kulkarni
Saumitra Anant Kulkarni
Shubham Chandrakant Kulkarni
Anurima Vaishnavi Kumar
Shubhankar Kumar
Vinay Kumar
Hariitha Kunta
Sandeep Kunusoth
Khyathi Kunuthur
Kirthana Lakshmana Perumal
Ruthvik Raj Lakshmisetty
Jay Ashok Lal

Yash Satish Lande
Sasidharreddy Lankireddy
Sai Sandeep Lankisetty
Anvitha Leti
Hon Ching Li
Anurag Lingabathina
Yiren Lu
Himani Madan
Soumica Madarapu
Pranaya Satwika Reddy Maddi
Vaidurya Malathesha
Aditya Malik
Prem Sai Malladi
Vaishnavi Reddy Mamilla
Sreeja Manchikanti
Venkata Sai Ritesh Manchikanti
Vikas Manchikanti
Venkatesh Mandapati
Ravindra Mandava
Venkata Narayana Sai Rochan Mantri
Robin Samuel Mathew
Viswanath Matukumalli
Harshubh Meherishi
Aishwarya Mehta
Prapti Miglani
Sarthak Mishra
Shivangi Mishra
Vinay Harsha Mitta
Mehul Mittal
Syfullah Mohammad
Abdul Shahid Mohammed
Faizuddin Mohammed
Yasmeen Mohammed
Sagnik Mondal
Jagannathan Morapakkam Josium
Priya Pandharinath More
Kavya Sreeja Naidu Motupalli
Raghu Vamsi Mullapudi
Vaisaali Murali Krishnan
Sowmiya Murugiah
Anirudh Muthusundaram
Hemanth Kumar Mutta
Sai Praveen Mylavarapu
Ramanathan Nachiappan

Saema Nadim
Sayli Umesh Nadkar
Lakshmi Bhavani Nagavalli
Franky David Naidu
Pavithra Nallamothu
Sri Harsha Vardhan Raju Namburi
Naveen Reddy Navuluri
Ranganadh Neelakantham
Rushikesh Mahadeo Nikam
Rahul Pundalik Nimbalkar
Raja Ramachandra Murthy Nukala
Phaneeswar Nuney
Mohit Sai Aravind Nunna
Esha Bhavesh Pabari
Abhishek Paharia
Sri Harshitha Palla
Sai Sridhar Reddy Palli
Venkata Sai Divya Pallineni
Kanupriya Pandey
Praveen Pandi
Solomon Raj Panduga Ebenezer Vinod
Shanmitha Paruchuri
Rakesh Pasupuleti
Neel Arvind Patel
Kshitij Pandurang Patil
Sahithi Pendry
Meghana Peram
Aviral Petwal
Sujan Reddy Pogula
Harshith Pokala Muni
Gayeethri Polamreddy
Hrushikesh Poola
Amardhruva Narasimha Prabhu
Eva Pradhan
Priyanka Chakraborty
Anuradha Prusty
Krishna Vineeth Puchalapalli
Komal Vaishnavi Pulla
Venkata Sai Saran Putta
Smriti Rai
Karthikeyan Rajagopal
Sonali Rajapu
Vishal Rajasekar
Rohan Rajput

Master's Degrees

Subhasri Rallabandi
Yashwanth Rama Krishna Reddy
Rohith Ramichetty
Praveen Kumar Ramineni
Raakhal Rapolu
Ashutosh Rastogi
Suraj Rath
Nishanth Ravula
Lakshya Rawal
Varshitha Krishna Reddy
Debasmit Roy
Subhojeet Roy
Jnaneswar Reddy Sabbella
Nikitha Sadananda
Charan Sai Sadla
Yash Saini
Abhilash Sampath
Avinash Sangula
Neeraja Sanjay
Amudheswaran Sankaranarayanan
Aishwarya Saran
Madhura Ashok Satao
Mahima Saxena
Kartik Sehgal
Rahul Kaushikbhai Shah
Mohammed Junaid Shaik
Venkatesh Shanmuga Sundaram
Ankita Sharma
Divya Sharma
Pratiksha Sharma
Tanishka Ravi Sharma
Ankit Shaw
Shraddha Bajarang Shekhar
Shalmalee Shenolikar
Pratiksha Vijay Shirsath
Rakshitha Shivaraj
Vrashi Shrivastava
Harshitha Siddaramaiah
Susmita Sikdar
Sai Alekhya Sikharam
Samar Pratap Singh
Sakshi Rakesh Singhal

Amisha Sinha
Harshavardhan Sivadanam
Venkata Sai Mahendra Somineni
Kashyap Deveshbhai Soni
Parth Rajkumar Sonkhia
Arjun Ragavendaar Sripathy
Shubhi Srivastava
Abhijeet Sugam
Shreyas Sujjaluru Lakshminarasimhan
Akhil Krishnan Sunil
Akhil Kumar Reddy Surakanti
Riddham Rajeshbhai Suvagiya
Madhuli Shivaji Suvarnakar
Aaqib Wadood Syed
Giridhara Ganesh Reddy Talla
Chuqi Tan
Kamal Tekwani
Nithin Sastry Tellapuri
Balaji Theratipally
Yaswanth Reddy Thippaluri
Rakesh Thiriveedhi
Kaushik Kumar Thoguluva Ramkumar
Sharmila
Sumanth Thota
Dhanwin Thyagarajan
Harsha Sri Tipirineni
Uday Tej Togiti
Abhigna Sree Tumati
Yash Turkar
Venkata Subrahmanyam Upputuri
Ayush Utkarsh
Anuj Sheetalkumar Vadecha
Nikhil Kumar Vadigala
Karthik Vajja
Mohit Krishna Reddy Vaka
Saishankar Vanam
Surya Teja Reddy Vangala
Venkata Viswanath Vankadara
Darryl Vas Prabhu
Bhargav Srinivasamurthy Vasist
Victor Kumar Vats
Sujith Varma Vatsavai

Preetham Veerepalli
Harichandana Vejendla
Swaminathan Venkataraman
Shreyas Athreya Venkatesh
Pavana Lakshmi Venugopal
Niharika Vikram
Nitin Vinod
Bharadwaj Vishnubhotla
Akshay Viswanathan
Tejaswini Vodnala
Mayuresh Girish Wagh
Chris Jacinth Yadala
Akash Chaitanya Yadav
Rahul Yadav
Sai Pavan Kumar Yadlapalli
Venkata Sai Yalamanchili
Jayashree Yandra
Dhanush Kumar Reddy Yarragonda
Sai Subhash Reddy Yarram
Mamatha Yarramaneni
Vinaya Sree Yelamanchili
Yochana Yellaboyana

June 2024

Gowtham Raju Addepalli
Tejas Prakash Agrawal
Christo Aluckal
Sai Kiran Angalakudhiti
Ankith Bala
Shiva Karthik Reddy Bathula
Rudram Chandrakant Bhimpure
Hima Bindu Bhoopalan
Rounak Biswas
Bhanu Sahith Bonthula
Pranay Bunari
Sai Ramya Sree Bysani
Alexander Caceres-Wright
Venkata Naveen Reddy Chedeti
Sai Teja Chittumalla
Sandeep Danda
Naresh Kumar Devulapally
Ravi Kumar Dodda

Ashutosh Dubey
Sai Venkata Swetha Gadde
Jayadhar Gandham
Sri Sannihitha Gangina
Tejaswi Gavini
Samba Sai Sagar Gopalasetti
Kalyan Ram Goriparthi
Bhanu Teja Goshikonda
Srivenkat Guntur
Sai Ram Gurram
Vamsi Abhiram Guru
Syam Gopal Guttula
Balaji Hariharan
Manudeep Parampalli Udaya Herle
Harrison Hutton
Naveen Sai Teja Inakollu
Harshitha Reddy Jaggavarapu
Radhika Jois
Veekshith Kajeepeta
Mounikananda Reddy Kanuparthi
Saiteja Karanam
Vamsi Krishna Karanam
Naren Kassyap Subramanian
Abhishek Katta
Arjun Ramesh Kaushik
Sayem Khan
Kiran Radhakrishnan
Madhavi Kolasani
Chandini Kondinolu
Suryanarayana Ayyappa Viv Kuchibhotta
Bindu Harshita Kudithi
Atharva Pankaj Kulkarni
Ruchitha Kurra
Lakku Prathap Reddy
Tyler Landivar
Dunjiong Lin
Pragathi Makkena
Narsimha Sashank Malayanur
Sai Teja Mandalapu
Priyadarshan Manohar
Nikhitha Mekala
Rohith Merugu

Sufianuddin Mohammed
Sagar Mohan
Swetasri Mukkollu
Munagala Bala Seshagiri Prasad
Sai Kiran Mundra
Hari Preetham Reddy Nandyala
Surya Sai Kumar Narayana
Vamshi Krishna Navulla
Ryan P O'Sullivan
Ramya Pachhipulusu
Janani Padmanabhan
Rohith Varma Palukuri
Divya Pamidi
Dhaval Jayesh Patel
Sai Kiran Paturi
Pavithra Penumuru
Sanika Phadke
Indra Teja Pidathala
Michael Edward Piskozub
Yashwanth Krishna Porandla
Santhosh Pothuganti
Sunil Rufus Ramneedee Pushparaj
Bharath Chandra Reddy Ravula
Sarath Chandra Reddy Rayapu
Jahnvi Rudraraju
Shawna Saha
Prem Salina
Nikhil Sanam
Hariharan Seelam
Ahamadulla Shaik
Priyal Shrimali
Sai Rohit Singampalli
Aditya Singh
Yadvender Singh
Atish Kumar Sinha
Sailesh Reddy Sirigireddy
Dharaneedharan Sivakumar
Michael James Sullivan
Arvind Raju Tadi
Sai Janhavi Tamatam
Sai Anil Tekuri
Ajay Reddy Timmareddy
Swarangi Atul Tingne

Feng Mao Tsai
Fatima Umar
Gnana Abhinay Vadlamudi
Nikhil Sai Sarath Valavala
Vineeth Reddy Vallapureddy
Venkata Sai Vanaparathi
Mohit Mahesh Vaswani
Deenakar Siva Srinivas Veerla
Anuja Chandrashekhar Wani
Lakshmi Narasimhan Yalavaloori
Bharat Chandra Yalavarthi
Yuanpu Zhang
Shawn Zimmermann

Master of Science in Industrial Engineering

August 2023

Wuyang Chen
Ashwin Neelakantan Jayasankar
Sahas Kavuri
Pranav Vinod Pillai
Abhinandra Singh

February 2024

Manmohan Vijaybhaskar Adam
Aneesh Shivakumar Akshay
Aditya Vikram Bagaria
Devaneshwar Bala Krishnan
Omeashwar Balamurugan
Sai Teja Bandi
Dhiraj Pandurang Bhandari
Poorva Bhatia
Akash Sambhaji Bhosale
Satish Varma Bhupathiraju
Param Himanshubhai Chavda
Gaurav Geeta Suresh Chide
Sri Harsh Chimmani
Sai Pavan Chintalapati
Abhi Ram Condoor
Patrick James Cuddy
Vikas Dadadalli Kumar
Likith Dwarakadithya Desai

Master's Degrees

Harshvardhan Rajendra Deshmukh
Kousik Dhanekula
Meet Parimal Dhanki
Keerthiraj Dillibabu
Sai Lakshmi Narasimhan Durai
Amey Balram Ekkaldevi
Shubham Santosh Fegade
Genith Silvester George Betsy
Adhiraj Dhairysheel Ghatge
Hamedeh Golmohammadpour
Niranjan Gunalan
Gulshankumar Kamlesh Gupta
Palash Prakhar Gupta
Sudhanshu Gupta
Peter Aidan Howlett
Shyrez Ahmed Khan Imtiaz
Venkata Naga Dinakar Inavolu
Mihir Ravindra Jadhav
Prajakta Samir Joshi
Urvi Chintamani Joshi
Tushar Dhanaji Kadam
Bhavyanshu Rajendra Kadu
Aditya Varma Kalidindi
Santhosh Kumar Kanagaraj
Samarth Atul Karelia
Jyothi Prakash Pavan Kumar Karri
Srujan Reddy Kasi Reddy
Sarathak Katiyar
Prathmesh Heramb Kelkar
Ramtin Khoobyar
Anirudh Korkonda Bhattar
Zoe Rose Koukoulas
Karhunaaharan Kovin Kuppumoorthy
Pushkar Shirish Kulkarni
Vamsi Krishna Kunapareddy
Sasha Mary Ladislas
Sahil Ujwal Lambe
Licheng Liang
Aman Kumar Luthra
Aaditya Madabhushi
Shriram Satish Madkar
Gaouthaman Mahendran
Dinesh Mathivanan
Isabel Marie Matthei

Rahul Mazumdar
Prerna Ganesh Meher
Sivanadian Nachiappan
Sujith Prasanna Nagesh Kumar
Rishab Giri Naidu
Yateen Sanjeev Natekar
Tanya Direnbbhai Panchal
Urjil Jiten Pandya
Khushboo Ashwin Parmar
Asmit Shrikant Patil
Rutwik Ravindra Patil
Ayushi Porwal
Venkata Siva Kumar Pula
Bharath Reddy Pullagurla
Avnish Surendra Rai
Mahmood Rajabtabar Darvish
Skandhan Ramakrishnan
Atreyan Raman
Hemanth Ramineni Damodhar
Pushkraj Rohit Rane
Arvind Singh Rathore
Sibi Selvan Ravi Selvan
Vignesh Ravi
Bilwa Yaswanth Ravipati
Sai Krishna Reddi
Paul Raj Reddipogu
Karthikeyan Saravanan
Shubham Shankar Sathe
Arihant Sharma
Rahul Haribhau Shelke
Anikesh Gunwant Shende
Sudarshan Ajit Shenoy
Devang Atul Shinde
Ashutosh Shukla
Vineeth Siddigari
Karthick Raja Sivakumar
Vamshi Krishna Sundalam
Haneesh Goud Survi
Shruti Prashant Tawde
Savi Hitendra Thaokar
Rishi Dinesh Tilawat
Shivani Tirumalasetti
Atharva Tungikar
Amit Santosh Upadhyay

Sunil Uthukota
Alok Ganesh Varhadi
Kaushik Vasani
Purus Wani Deshmukh
Brianna Williams
Mihir Prashant Yardi

June 2024

Srividya Amireddy
Ankita Anand
Yousuf Aziz
Abhinav Bapatla
Prashant Bhumireddy
Natalie Caussin
Vivek Reddy Duvvuru
Venkateswara Swamy Gadde
Adhiraj Garg
Manohar Golleru
Mohana Siva Sai Yasodhar Golleru
Avani Gulati
Amila Viraj Mahinda Hewa Lunuwilage
Prachi Ramesh Kamble
Avranshu Mahanty
Aniket Sureshkumar Patel
Nisarg Maheshbhai Patel
Sanket Sanjay Pawar
Shashi Kumar Pothula
Rahul Bharadwaj Ravishankar
Swaroop Sateesha
Pavini Vipulkumar Shah
Gautham Srinivasan
Yuqin Tan

Master of Science in Materials Design and Innovation

August 2023

Kateryna Luchkova
Edison Pan
Poornanand Tumuluri Venkata
Shanda Shian-Ru Wun

February 2024

Chu-Te Chen
Rebekah Finster
Sanchit Goel
Durga Venkata Siva Prasad Kosana
Nikhil Ajay Medhekar
Sachin Poduval
Robert William Taverner

June 2024

Akshayadevi Tiroucoumarane

Master of Science in Mechanical Engineering**August 2023**

Kwadwo Gyamfi Badu-Danso
Shayan Bhattacharjee
Abdullah Islam
Abhinav Rohan Karadi
Ahsan UI Anam Khan
Surya Teja Koppula
Devdatta Vishwanath Kulkarni
Debasmita Moharana
Yaswanth Narayana
Rajath Dayananda Prabhu
Ezra D Rowitsch

February 2024

Po Han Chen
Nathan Gilchrist
Wei Li
Madeline Pearl Lowry
Edward Luthartio
Guru Aravindan Manjangkarani Giridharan
Nishant Dutt Mishra
Eric Mountain
Sai Manoj Murarishetty
Deepak Rai
Srinath Senthilvelan
Devika Suresh Bhat
Mohammed Musharraf Syed
Aniket Ramawadh Vishwakarma
Haosong Xiao
Zugao Zheng

June 2024

Mina Abdelmalek
Vinoop Anil
Aditya Rajesh Atre
Shanmukha Saiguruteja Avanigadda
Dang Quoc Duong
Abi Joshua George
Satya Abhisht Nagalla
David Jeffrey Perkins
Kolos Retfalvi
Sai Manohar Vangara
Ean Weise



Doctorate Degrees

Recommending Candidates for Degrees

Kemper Lewis
Dean

Doctor of Philosophy in Aerospace Engineering

August 2023

Cameron Mitchell Grace
Major Professor: Javid Bayandor

John Graff
Major Professor: Francis Lagor

February 2024

Kenneth Budzinski
Major Professor: Paul Desjardin

Stephen Roland Gagnon
Major Professor: John Crassidis

Mae L Sementilli
Major Professor: James Chen

June 2024

Danielle Johnson
Major Professor: Hui Meng

Doctor of Philosophy in Computer Science and Engineering

August 2023

Xuan Gong
Major Professor: David Doermann

Lin Huang
Major Professor: Junsong Yuan

Zheshuo Li
Major Professor: Jinhui Xu

Xin Liu
Major Professor: Chunming Qiao

Pranav Girish Sankhe
Major Professor: Varun Chandola, Kenneth Joseph

Liangchen Song
Major Professor: Junsong Yuan

Qiuling Suo
Major Professor: Changyou Chen

Weida Zhong
Major Professor: Chunming Qiao

Yanjun Zhu
Major Professor: David Doermann

February 2024

Zijian An
Major Professor: Kenneth Joseph

Zhanghexuan Ji
Major Professor: Mingchen Gao

Chunwei Ma
Major Professor: Jinhui Xu

June 2024

Saleem Ahmed
Major Professor: Venugopal Govindaraju

Yuyang Chen
Major Professor: Karthik Dantu

Marissa Dominijanni
Major Professor: Kenneth Regan

Naveena Elango
Major Professor: Ramalingam Sridhar

Huining Li
Major Professor: Wen Yao Xu

Dennis Paul Murphy
Major Professor: Marina Blanton

Carl Nuessle
Major Professor: Oliver Kennedy

Sheena Ratnam Priya
Major Professor: Ramalingam Sridhar

Xi Tan
Major Professor: Ziming Zhao

Sudhir Kumar Reddy Yarram
Major Professor: Junsong Yuan

Yi Zhu
Major Professor: Chunming Qiao

Doctor of Philosophy in Industrial Engineering

August 2023

Elliot Lawrence Biltekoff
Major Professor: Matthew Bolton

Courtney Burris
Major Professor: Alexander Nikolaev

Prasangsha Ganguly
Major Professor: Sayanti Mukherjee

February 2024

Zebin Li
Major Professor: Hongyue Sun

June 2024

Kaylie Ann Butt
Major Professor: Chase Murray

Aditya Tushar Chivate
Major Professor: Chi Zhou

Andrew Kopanon
Major Professor: Chase Murray

Jianzhou Qi
Major Professor: Jun Zhuang

Zhiyuan Wei
Major Professor: Sayanti Mukherjee

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

February 2024

Hao Liu
Major Professor: Olga Wodo

June 2024

Yu Fu
Major Professor: Fei Yao

Mruganka Sandip Parasnis
Major Professor: Prathima Nalam

Dmitry Shinyavskiy
Major Professor: Jung Hun Seo

**Doctor of Philosophy in
Mechanical Engineering**

August 2023

Revant Adlakha
Major Professor: Mostafa Nouh

Saurabh Vishwas Khuje
Major Professor: Shenqiang Ren

Jingye Tan
Major Professor: Danial Faghihi

Xianzhang Xu
Major Professor: Francis Lagor

February 2024

Armin Abdehkakha
Major Professor: Craig Snoeyink

Gaurav Anand
Major Professor: Craig Snoeyink

Wansong Liu
Major Professor: Minghui Zheng

Steve Paul
Major Professor: Souma Chowdhury

Ruizhe Yang
Major Professor: Jun Liu

June 2024

Angshuman Deka
Major Professor: John Hall

Joseph Philip Distefano
Major Professor: Ehsan Tarkesh Esfahani

Viet Sang Doan
Major Professor: Sangwoo Shin

Donald E. Miller
Major Professor: Francine Battaglia

Tasnim Shireen
Major Professor: Zonglu Hua

Pradeep Paljibhai Vaghela
Major Professor: Javid Bayandor

History of the School of Engineering and Applied Sciences

In celebrating this commencement, the School of Engineering and Applied Sciences (SEAS) marks 78 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 Trabant 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 eNergy, 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.



Davis Hall, on UB's North Campus

UB Engineering and Applied Sciences Alumni Association Letter

Dear Class of 2024,

Commencement is a time for reflection and hope. As engineers and computer scientists you are about to embark on the next chapter of your incredible stories. Reflect upon all the great connections, education, and moments from the time here at UB. These all have played a role in shaping who you have become and what you will want to become. The training and education that UB has given you is an incredibly solid foundation on which you can build.

Hope for looking to the future and dreaming about the impacts, innovations and changes you will all have on this world. You are all resilient and it will be that resiliency that will propel your careers to new heights. While the future is hopeful it can also be uncertain. Always remember that you have a support network in the University at Buffalo Engineering and Applied Sciences Alumni Association.

As this world looks to you to lead change, I am confident that each of you as UB graduates will successfully lead that change. On behalf of the University at Buffalo Engineering and Applied Sciences Alumni Association, its Board of Directors, and the more than 40,000 members who have preceded you, we welcome you. Together, we are UB.

Thank you,

Nathan Bolt (BS CSEE '11, MBA 14')
President, University at Buffalo Engineering and Applied Sciences Alumni Association

Graduate Student Organizations

Chemical and Biological Engineering GSA
Masoud Zamani, President

Civil, Structural and Environmental Engineering GSA
Vidhi Rasik Solanki, President

Computer Science and Engineering GSA
Mason Lary, President

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Materials Design and Innovation GSA
Gbassey Oteme, President

Mechanical and Aerospace Engineering GSA
Anthony Olivett, President

Society for Risk Analysis
Mina Samiei Nasab, President

UB AI
Shail Shah, President

UB Alumni Association Letter

Dear Member of the Class of 2024,

Congratulations! On behalf of the UB Alumni Association, I'm delighted to welcome you to your global network of more than 300,000 alumni. We're proud of all you have accomplished.

As you begin your next chapter, please stay in touch! Your alumni status opens up so many opportunities to stay connected to your alma mater and to fellow alumni.

What does this mean for you in practical terms? It means that career help, through our virtual Connect-a-Bull platform, volunteer opportunities to recruit new students or help current students, 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.

If you have questions about how to stay involved, contact the Office of Alumni Engagement at 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!



Joseph Stefko, PhD '03, MA '99, BA '97
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.

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)

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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.

