TANDON SCHOOL OF ENGINEERING

Introduction

The New York University Tandon School of Engineering (formerly the Brooklyn Polytechnic Institute, the Polytechnic University, the Polytechnic Institute of NYU, the NYU Polytechnic School of Engineering, and now widely known as NYU Tandon) is home to a vibrant community of unconventional engineers – renowned faculty, undergraduate and graduate students united in a mission to understand and create technology that powers cities, enables worldwide communication, fights climate change, and builds healthier, safer, and more equitable real and digital worlds. The school's culture centers on encouraging rigorous, interdisciplinary collaboration and research; fostering inclusivity, entrepreneurial thinking, and diverse perspectives; and creating innovative and accessible pathways for lifelong learning in STEM. NYU Tandon dates back to 1854, the founding year of both the New York University School of Civil Engineering and Architecture and the Brooklyn Collegiate and Polytechnic Institute. Located in the heart of Brooklyn, NYU Tandon is a vital part of New York University and its unparalleled global network, and is closely connected with engineering in NYU Abu Dhabi and NYU Shanghai. NYU Tandon also operates multiple startup incubators at its 370 Jay Street location, and a 14,000-foot emerging media production and research facility in the Brooklyn Navy Yard. In addition, NYU Tandon runs the largest academic institution-supported K-12 STEM center, focused on creating expanded pathways into STEM education within the New York City community, including among communities underrepresented in STEM and those who lack access to STEM education through other means.

Undergraduate programs in civil, computer, chemical, electrical and mechanical engineering are accredited by the Accreditation Board for Engineering and Technology (ABET). Degree and certificate programs listed in this bulletin are registered by the New York State Education Department.

History

Founded in 1854 as the Brooklyn Collegiate and Polytechnic Institute, the school originally educated young men, ages 9 to 22, and was located on Livingston Street in downtown Brooklyn. In 1889, the collegiate and preparatory departments separated, and the collegiate division adopted the name Polytechnic Institute of Brooklyn. The Institute, historically referred to as "Brooklyn Poly," moved its campus to Jay Street in 1957. In 1961, it opened a Long Island campus in Farmingdale as a graduate and research center.

In 1973, the New York University School of Engineering and Science merged into Polytechnic and the school was renamed the Polytechnic Institute of New York. The Institute began offering undergraduate programs at its Long Island campus in 1974 and, in 1975, opened the Westchester Graduate Center in Hawthorne. As a result of institutional realignment, the Hawthorne campus was closed in August 2013, and the Long Island Campus is only operating programs for continuing students, and will be closed as of May 2014.

In 1985, the New York State Board of Regents granted the institution university status and the official name became Polytechnic University.

The next 15 years saw a period of great activity as the University played a key part in the creation of MetroTech Center, a 16-acre, $1.5-billion university-corporate park, which was built around Polytechnic's existing buildings and revitalized an area that had been in decline. Polytechnic updated its facilities, renovated its student-center building and built a new home for its library and for the Center for Advanced Technology in Telecommunications. The University also began to offer several programs in management of technology and financial engineering in the heart of Manhattan's high-technology and financial district.

During this time, the University launched the Campaign for Polytechnic - Fulfilling the American Dream - to raise $275 million to transform itself into one of the nation's premier technological universities. In 1998, Polytechnic received a $175 million bequest from the estates of Donald F. Othmer, a longtime Polytechnic professor, and his wife, Mildred. At that time, it was the largest single cash gift ever made to a private American university. In 1999, Polytechnic received its second largest contribution from alumnus and former student of Professor Othmer, Joseph J. Jacobs, who gave $20 million.

In 2000, Polytechnic began construction on two new buildings on the MetroTech campus: the Joseph J. and Violet J. Jacobs Building, an eight-story academic and athletic facility with classrooms and laboratories and a full gymnasium; and the 20-story, 400-bed Donald F. and Mildred Topp Othmer Residence Hall, Polytechnic's first on-campus residence hall in Brooklyn. Both buildings opened in summer 2002. Since that time, the NYU School of Engineering has expanded into all four sides of MetroTech, while enhancing its existing facilities.

In 2008 the University entered into a formal affiliation with New York University in recognition of the synergies between engineering, science, technology, medicine, dentistry, public policy, law and the arts. It became known as the Polytechnic Institute of New York University, or informally as NYU-Poly, the affiliation has further enhanced its capability to prepare leaders to address the challenges of the 21st century. In 2012, the Board of Trustees of NYU and the Board of Trustees of NYU-Poly voted for the institutions to undertake the final set of steps necessary to complete the merger and make NYU-Poly NYU's School of Engineering. Key approvals from state and accrediting authorities subsequently kept the merger on track, and it was finalized as of January 1, 2014, at which point NYU-Poly became the newest school at NYU: the NYU Polytechnic School of Engineering. Thanks to a visionary and generous donation made in 2015, the NYU Board of Trustees made the decision to rename the school NYU Tandon School of Engineering. In 2022, the University demonstrated its commitment to growing engineering at NYU by publicly announcing a $1B long-term investment to increase tenured and tenure-track faculty by nearly 50%, fuel groundbreaking research, and expand lab, administrative, student, and experiential learning spaces in Downtown Brooklyn.

The NYU Tandon School of Engineering delivers programs on-site, online, and in hybrid modalities locally and globally. NYU Tandon students also have the ability to study abroad at NYU's global sites and other affiliated international universities.

Research at the NYU Tandon School of Engineering

The NYU Tandon School of Engineering offers major research programs in experimental, theoretical and computational areas, leading to significant contributions in the advancement of technology – technology that powers cities, enables worldwide communication, fights climate change, and creates new and safer digital worlds. The NYU Tandon faculty continue to excel as world leaders in vital research areas and the intersections between them, including AI/Data Science/Robotics,

communication networks, cybersecurity, emerging media, healthcare, sustainability, and urban engineering.

Some of the specific areas our researchers are exploring include responsible artificial intelligence, quantum computing, power engineering, electromagnetics and wave propagation, telecommunication and distributed information systems, data management, software engineering and development, polymer chemistry and engineering, dynamical systems, smart materials, nanofabrication, biomaterials and bioengineering, engineered interfaces, plasma science and technology, sensors and sensor systems, decarbonization techniques, secure cloud computing, and urban engineering relating to urban infrastructure, resiliency, and smart cities.

Global Outreach

In addition to its programs on the main campus in downtown Brooklyn, the NYU Tandon School of Engineering offers programs around the globe remotely through online courses. NYU Tandon School of Engineering is closely connected to engineering in NYU Abu Dhabi and NYU Shanghai as well as to the NYU Center for Urban Science and Progress (CUSP) also located in Downtown Brooklyn, while operating four innovation incubators. In addition, as discussed throughout, students and faculty enjoy many opportunities to take advantage of the resources and broader community in Manhattan at Washington Square and along the Medical Corridor on First Avenue and around the globe.

As a global network university, Tandon students have the opportunity to study in some of the world's most dynamic cities. Aside from our campuses in Abu Dhabi and Shanghai, NYU has global academic centers in Accra, Berlin, Buenos Aires, Florence, London, Los Angeles, Madrid, Paris, Prague, Sydney, Tel Aviv, Tulsa, and Washington DC. Some of these sites are partnered with local universities to offer classes, classroom space, and other opportunities. In addition, NYU is partnered with 13 different universities through an International Exchange Program located in Amsterdam, Berlin, Copenhagen, Dublin, Santiago, Stockholm, Vienna, and more than one city in Italy, Japan, and Korea.

Through the Global Engineering Education Exchange, Tandon students have the unique opportunity to study abroad for a fall, spring, full year, or summer at the leading science, technology, and engineering institutions across the world including in Australia, Egypt, Israel, Malaysia, The Netherlands, New Zealand, Singapore, and all across Europe. Outside of academic exchange, many of these institutions also offer summer programs, research opportunities, sustainability projects, and short-term opportunities. Outside of these, Tandon Prehealth and the Global Leaders and Scholars in STEM (GLASS) program partner to coordinate alternative break trips to non-traditional study abroad locations like Jamaica, Tanzania, and Sri Lanka to provide global community service opportunities.

Mission Statement

To excel as a leading high-quality research university engaged in education, discovery and innovation with social, intellectual and economic impact in the New York region, the nation and the world.

To achieve this mission, we educate, discover and invent. We engage students seeking educational achievement and opportunity, faculty seeking excellence and relevance, and organizations seeking solutions and talent. We creatively bring intellectual rigor, technological innovation and a passion for science to the communities where we work and live and to the citizens of the world.

We innovatively extend the benefits of science, engineering, management and liberal studies to critical real-world opportunities and challenges, especially those linked to urban systems, health and wellness and the global information economy.

Our learning environment develops the skills to discover and invent, stimulates innovation and encourages entrepreneurship. We refer to this environment of invention, innovation and entrepreneurship as i^2e. It is what has produced generations of thought leaders and action-oriented learners who are capable of thinking globally and across multiple disciplines.

Programs

- Aerospace Engineering (Minor) (https://bulletins.nyu.edu/undergraduate/engineering/programs/aerospace-engineering-minor/)
- Applied Physics (BS) (https://bulletins.nyu.edu/undergraduate/engineering/programs/applied-physics-bs/)
- Applied Physics (Minor) (https://bulletins.nyu.edu/undergraduate/engineering/programs/applied-physics-minor/)
- Biomolecular Science (BS) (https://bulletins.nyu.edu/undergraduate/engineering/programs/biomolecular-science-bs/)
- Biomolecular Science (Minor) (https://bulletins.nyu.edu/undergraduate/engineering/programs/biomolecular-science-minor/)
- Business and Technology Management (BS) (https://bulletins.nyu.edu/undergraduate/engineering/programs/business-technology-management-bs/)
- Chemical and Biomolecular Engineering (BS) (https://bulletins.nyu.edu/undergraduate/engineering/programs/chemical-biomolecular-engineering-bs/)
- Civil Engineering (BS) (https://bulletins.nyu.edu/undergraduate/engineering/programs/civil-engineering-bs/)
- Computer Engineering (BS) (https://bulletins.nyu.edu/undergraduate/engineering/programs/computer-engineering-bs/)
- Computer Engineering (Minor) (https://bulletins.nyu.edu/undergraduate/engineering/programs/computer-engineering-minor/)
- Computer Science (BS) (https://bulletins.nyu.edu/undergraduate/engineering/programs/computer-science-bs/)
- Computer Science (Minor) (https://bulletins.nyu.edu/undergraduate/engineering/programs/computer-science-minor/)
- Computer Science/Management of Technology (BS/MS) (https://bulletins.nyu.edu/undergraduate/engineering/programs/computer-science-management-technology-bs-ms/)
- Construction Management (Minor) (https://bulletins.nyu.edu/undergraduate/engineering/programs/construction-management-minor/)
- Cybersecurity (Minor) (https://bulletins.nyu.edu/undergraduate/engineering/programs/cybersecurity-minor/)
- Electrical and Computer Engineering (BS) (https://bulletins.nyu.edu/undergraduate/engineering/programs/electrical-computer-engineering-bs/)
- Electrical Engineering (BS) (https://bulletins.nyu.edu/undergraduate/engineering/programs/electrical-engineering-bs/)
- Electrical Engineering (Minor) (https://bulletins.nyu.edu/undergraduate/engineering/programs/electrical-engineering-minor/)
- Engineering Innovation (Minor) (https://bulletins.nyu.edu/undergraduate/engineering/programs/engineering-innovation-minor/)

- English for Tandon Students (Minor) (https://bulletins.nyu.edu/undergraduate/engineering/programs/english-minor-tandon-students/)
- Environmental Engineering (BS) (https://bulletins.nyu.edu/undergraduate/engineering/programs/environmental-engineering-bs/)
- Environmental Engineering (Minor) (https://bulletins.nyu.edu/undergraduate/engineering/programs/environmental-engineering-minor/)
- Feminism and Science, Technology, Engineering and Math (FSTEM) (Minor) (https://bulletins.nyu.edu/undergraduate/engineering/programs/feminism-science-technology-engineering-math-fstem-minor/)
- Finance (Minor) (https://bulletins.nyu.edu/undergraduate/engineering/programs/finance-minor/)
- Game Engineering (Minor) (https://bulletins.nyu.edu/undergraduate/engineering/programs/game-engineering-minor/)
- Integrated Design and Media (BS) (https://bulletins.nyu.edu/undergraduate/engineering/programs/integrated-design-media-bs/)
- Integrated Design and Media (Minor) (https://bulletins.nyu.edu/undergraduate/engineering/programs/integrated-design-media-minor/)
- Management (Minor) (https://bulletins.nyu.edu/undergraduate/engineering/programs/management-minor/)
- Mathematics (BS) (https://bulletins.nyu.edu/undergraduate/engineering/programs/mathematics-bs/)
- Mathematics (Minor) (https://bulletins.nyu.edu/undergraduate/engineering/programs/mathematics-minor/)
- Mathematics and Physics (BS) (https://bulletins.nyu.edu/undergraduate/engineering/programs/mathematics-physics-bs/)
- Mechanical Engineering (BS) (https://bulletins.nyu.edu/undergraduate/engineering/programs/mechanical-engineering-bs/)
- Mechanical Engineering (Minor) (https://bulletins.nyu.edu/undergraduate/engineering/programs/mechanical-engineering-minor/)
- Quantum Technology (Minor) (https://bulletins.nyu.edu/undergraduate/engineering/programs/quantum-technology-minor/)
- Robotics (Minor) (https://bulletins.nyu.edu/undergraduate/engineering/programs/robotics-minor/)
- Science and Technology Studies (Minor) (https://bulletins.nyu.edu/undergraduate/engineering/programs/science-technology-studies-minor/)
- Structural Engineering (Minor) (https://bulletins.nyu.edu/undergraduate/engineering/programs/structural-engineering-minor/)
- Sustainable Urban Environments (Minor) (https://bulletins.nyu.edu/undergraduate/engineering/programs/sustainable-urban-environments-minor/)
- Technology, Management and Design (Minor) (https://bulletins.nyu.edu/undergraduate/engineering/programs/technology-management-design-minor/)
- Transportation (Minor) (https://bulletins.nyu.edu/undergraduate/engineering/programs/transportation-minor/)

Accreditation

All NYU Tandon School of Engineering undergraduate engineering programs are accredited by the Accreditation Board for Engineering and Technology (ABET (http://www.abet.org/)). ABET identifies the following eight General Criteria that every engineering program should address: (1) Students; (2) Program Educational Objectives; (3) Student Outcomes; (4) Continuous Improvement; (5) Curriculum; (6) Faculty; (7) Facilities; and (8) Institutional Support.

Faculty

A

Amine Aboussalah
Industry Assistant Professor
Finance & Risk Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Jasper Ainsworth
Industry Assistant Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Ahmed Ansari
Industry Assistant Professor
Technology, Culture and Society, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Salim Arfaoui
Industry Associate Professor
Computer Science & Engineering, Tandon School of Engineering
Doctor of Science (D.Sc.)

Stephen Arnold
Professor
Applied Physics, Tandon School of Engineering
Doctorate (Academic)

Boris Aronov
Professor
Computer Science & Engineering, Tandon School of Engineering
Doctorate (Academic)

Mohamad Awada
Assistant Professor
Civil and Urban Engineering, Tandon School of Engineering

Eray S Aydil
Professor
Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

B

Jonathan Bain
Professor
Technology, Culture and Society, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Ainesh Bakshi
Assistant Professor
Computer Science & Engineering, Tandon School of Engineering

Jona Ballé
Associate Professor
Electrical & Computer Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Paola Bardetti
Industry Assistant Professor

Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Rakesh Kumar Behera
Industry Associate Professor
Mechanical and Aerospace Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Rosanna Bellini
Assistant Professor
Computer Science & Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Joshua Bennett
Industry Associate Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Jabril Bensedrine
Industry Associate Professor
Technology Management and Innovation, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Aaron Bernstein
Professor
Computer Science & Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Emily Black
Assistant Professor
Computer Science & Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Barry Blecherman
Industry Professor
Finance & Risk Engineering, Tandon School of Engineering
Doctorate (Academic)

Joseph Borowiec
Industry Professor
Mechanical and Aerospace Engineering, Tandon School of Engineering
Doctorate (Academic)

Linda Ng Boyle
Professor
Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Tega Brain
Industry Associate Professor
Technology, Culture and Society, Tandon School of Engineering
Master of Arts (M.A.)

Andre Butler
Industry Professor
Civil and Urban Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

C

Matthew S Campisi
Industry Associate Professor
Electrical & Computer Engineering, Tandon School of Engineering
Doctorate (Academic)

Nairen Cao
Assistant Professor/Faculty Fellow
Computer Science & Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Justin Cappos
Professor
Computer Science & Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Jonathan Chao
Professor
Electrical & Computer Engineering, Tandon School of Engineering
Doctorate (Academic)

Rupak Chatterjee
Industry Assistant Professor
Applied Physics, Tandon School of Engineering

Rishabh Chauhan
Industry Assistant Professor
Center for Urban Science + Progress, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Weiqiang Chen
Professor
Mechanical and Aerospace Engineering, Tandon School of Engineering
Doctorate (Academic)

Yi-Jen Chiang
Associate Professor
Computer Science & Engineering, Tandon School of Engineering
Doctorate (Academic)

Lawrence Chiarelli
Industry Professor
Civil and Urban Engineering, Tandon School of Engineering
Juris Doctor (J.D.)

Anna Ewa Choromanska
Associate Professor
Electrical & Computer Engineering, Tandon School of Engineering
Doctorate (Academic)

Joseph Y.J. Chow
Associate Professor
Civil and Urban Engineering, Tandon School of Engineering
Doctorate (Academic)

Robert Alexander Crowell
Assistant Professor/Faculty Fellow
Finance & Risk Engineering, Tandon School of Engineering

Wenqi Cui
Assistant Professor
Electrical & Computer Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

D

Michael T D'Emic
Industry Associate Professor
Technology Management and Innovation, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Nirod K Das
Associate Professor
Electrical & Computer Engineering, Tandon School of Engineering
Doctorate (Academic)

Vedant Das Swain
Assistant Professor
Technology Management and Innovation, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Kristen Day
Professor
Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Irene de Lazaro del Rey
Assistant Professor
Biomedical Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Francisco De Leon
Professor
Electrical & Computer Engineering, Tandon School of Engineering
Doctorate (Academic)

Giuseppe Maria de Peppo
Industry Associate Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Peter DePasquale
Industry Professor
Computer Science & Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Ratan Kumer Dey
Industry Associate Professor
Computer Science & Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

John Di Bartolo
Industry Professor
Tandon School of Engineering
Doctorate (Academic)

Cassandra Diaz-Allen
Industry Assistant Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Nicholas A. Dizinno
Industry Professor
Mechanical and Aerospace Engineering, Tandon School of Engineering
Doctorate (Academic)

Graham Dove
Assistant Professor
Technology Management and Innovation, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Mike Driscoll
Industry Associate Professor
Technology Management and Innovation, Tandon School of Engineering
Master of Business Administration (M.B.A.)

Roger L. Dubois
Professor
Tandon School of Engineering
Doctorate (Academic)

De Angela Angela L. Duff
Industry Professor
Technology, Culture and Society, Tandon School of Engineering
Master of Fine Arts (M.F.A.)

Vikram Duvvuri
Industry Associate Professor
Applied Physics, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

E

Semiha Ergan
Associate Professor
Civil and Urban Engineering, Tandon School of Engineering
Doctorate (Academic)

Elza Erkip
Professor
Electrical & Computer Engineering, Tandon School of Engineering
Doctorate (Academic)

F

Rose T. Faghih
Associate Professor
Biomedical Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Craig Elliott Fahner
Visiting Assistant Professor
Technology, Culture and Society, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Martin Farach-Colton
Professor with Chair
Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Chen Feng
Assistant Professor
Civil and Urban Engineering, Tandon School of Engineering
Doctorate (Academic)

Teresa M Feroli
Associate Professor
Technology, Culture and Society, Tandon School of Engineering
Doctorate (Academic)

Scott Fitzgerald
Industry Associate Professor
Technology, Culture and Society, Tandon School of Engineering
Master of Professional Studies (M.P.S.)

Juliana Freire
Professor
Computer Science & Engineering, Tandon School of Engineering
Doctorate (Academic)

G

Jean Gallagher
Professor
Tandon School of Engineering
Doctorate (Academic)

Carla Gannis
Industry Professor
Technology, Culture and Society, Tandon School of Engineering
Master of Fine Arts (M.F.A.)

Bruce A Garetz
Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctorate (Academic)

Siddharth Garg
Professor
Electrical & Computer Engineering, Tandon School of Engineering
Doctorate (Academic)

Masoud Ghandehari
Professor
Civil and Urban Engineering, Tandon School of Engineering
Doctorate (Academic)

Regine MaryAnne Gilbert
Industry Assistant Professor
Technology, Culture and Society, Tandon School of Engineering
Master of Business Administration (M.B.A.)

Danya A Glabau
Industry Assistant Professor
Technology, Culture and Society, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Allan B Goldstein
Senior Lecturer
Technology, Culture and Society, Tandon School of Engineering
Master of Arts (M.A.)

Rachel Greenstadt
Professor
Computer Science & Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Nikita A Grigoryev
Industry Assistant Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Augustin Clairy Guibaud
Assistant Professor
Mechanical and Aerospace Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Nikhil Gupta
Professor
Mechanical and Aerospace Engineering, Tandon School of Engineering
Doctorate (Academic)

Julien Guyon
Visiting Associate Professor
Finance & Risk Engineering, Tandon School of Engineering
Doctorate (Academic)

H

Arezoo Hajesfandiari
Industry Associate Professor
Mechanical and Aerospace Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Kaitlyn Hanley
Industry Associate Professor
Civil and Urban Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Michael Elia Mikhael Hanna
Industry Assistant Professor
Biomedical Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Ryan Lee Hartman
Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctorate (Academic)

Sven Haverkamp
Industry Associate Professor
Mechanical and Aerospace Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Chinmay Hegde
Associate Professor
Computer Science & Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Lisa Hellerstein
Professor
Tandon School of Engineering
Doctorate (Academic)

Elizabeth Marie Henaff
Assistant Professor
Technology, Culture and Society, Tandon School of Engineering
Doctorate (Academic)

Juanita Hidalgo
Assistant Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering

Andreas H Hielscher
Professor
Tandon School of Engineering
Doctorate (Academic)

Alon Hillel-Tuch
Industry Assistant Professor
Computer Science & Engineering, Tandon School of Engineering

Mohsen Hossein
Industry Professor
Civil and Urban Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Danny Huang
Assistant Professor
Electrical & Computer Engineering, Tandon School of Engineering

Doctor of Philosophy (Ph.D.)

Jeffrey Hubbell
Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

I

Magued G Iskander
Professor
Tandon School of Engineering
Doctorate (Academic)

Pavel Izmailov
Assistant Professor
Computer Science & Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

J

Margaret Jack
Industry Assistant Professor
Technology, Culture and Society, Tandon School of Engineering
Doctorate (Academic)

Zhong-Ping Jiang
Professor
Electrical & Computer Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Bertha T. Jimenez Leon
Industry Assistant Professor
Technology Management and Innovation, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Weihua Jin
Industry Professor
Civil and Urban Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

K

Vikram Kapila
Professor
Mechanical and Aerospace Engineering, Tandon School of Engineering
Doctorate (Academic)

Ramesh Karri
Professor
Electrical & Computer Engineering, Tandon School of Engineering
Doctorate (Academic)

Daniel Katz-Braunschweig
Industry Professor
Computer Science & Engineering, Tandon School of Engineering
Master of Science (M.S.)

Farshad Khorrami
Professor
Electrical & Computer Engineering, Tandon School of Engineering
Doctorate (Academic)

Jin Ryoun Kim
Associate Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Joo Hyun Kim
Associate Professor
Mechanical and Aerospace Engineering, Tandon School of Engineering
Doctorate (Academic)

Michael Edward Knox
Industry Professor
Electrical & Computer Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Pavel Kots
Assistant Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Jelena Kovacevic
Professor
Electrical & Computer Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Robert Krueger
Assistant Professor
Computer Science & Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Katsuo Kurabayashi
Professor
Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

L

Debra Laefer
Professor
Civil and Urban Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Mark Lee
Industry Assistant Professor
Technology Management and Innovation, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Sanghoon Nathan Lee
Industry Professor
Mechanical and Aerospace Engineering, Tandon School of Engineering
Doctorate (Academic)

David G Lefer
Industry Associate Professor
General Engineering, Tandon School of Engineering
Master of Science (M.S.)

Rastislav Levicky
Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctorate (Academic)

James P Lewis
Senior Lecturer
Technology, Culture and Society, Tandon School of Engineering
Master of Arts (M.A.)

Peter Yuk Li

Industry Assistant Professor
General Engineering, Tandon School of Engineering
Bachelor of Science (B.S.)

Rui Li
Industry Assistant Professor
General Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Yuzhang Lin
Assistant Professor
Electrical & Computer Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Shizhu Liu
Industry Associate Professor
Technology Management and Innovation, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Yong Liu
Professor
Electrical & Computer Engineering, Tandon School of Engineering
Doctorate (Academic)

Dung Dinh Luong
Industry Associate Professor
Mechanical and Aerospace Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

M

Xiao Ma
Industry Assistant Professor
Biomedical Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Dharik Mallapragada
Assistant Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Roula Maloof
Senior Lecturer
Civil and Urban Engineering, Tandon School of Engineering
Doctorate (Academic)

Omar Mansour
Industry Associate Professor
Computer Science & Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Sylvia Marks
Professor
Technology, Culture and Society, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Thomas Mazzone
Industry Professor
Technology Management and Innovation, Tandon School of Engineering
Master of Business Administration (M.B.A.)

Damon McCoy
Professor
Computer Science & Engineering, Tandon School of Engineering
Doctorate (Academic)

Kathleen Marie McDermott
Industry Assistant Professor
Technology, Culture and Society, Tandon School of Engineering
Master of Fine Arts (M.F.A.)

Nasir Memon
Professor
Computer Science & Engineering, Tandon School of Engineering
Doctorate (Academic)

Yuki Miura
Assistant Professor
Mechanical and Aerospace Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Miguel Antonio Modestino
Associate Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctorate (Academic)

Jin Kim Montclare
Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctorate (Academic)

Pavlos Mourdoukoutas
Industry Professor
Technology Management and Innovation, Tandon School of Engineering
Doctorate (Academic)

David Mugglin
Industry Professor
Applied Physics, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Christopher Musco
Associate Professor
Computer Science & Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

N

Oded Nov
Professor
Tandon School of Engineering
Doctorate (Academic)

O

Duncan T Osborne
Lecturer
General Engineering, Tandon School of Engineering
Master's Level Degree

Kaan Ozbay
Professor
Civil and Urban Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

P

Shivendra Panwar
Professor
Electrical & Computer Engineering, Tandon School of Engineering

Doctorate (Academic)

Ingrid J Paredes
Industry Assistant Professor
General Engineering, Tandon School of Engineering
Doctorate (Academic)

David Parisi
Associate Professor
Technology, Culture and Society, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Manny Patole
Industry Assistant Professor
Center for Urban Science + Progress, Tandon School of Engineering
Master's Level Degree

William Zhiren Peng
Visiting Assistant Professor
Mechanical and Aerospace Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Gabriel Perez-Giz
Industry Assistant Professor
Applied Physics, Tandon School of Engineering
Doctorate (Academic)

Donald S Phillips
Senior Lecturer
Technology, Culture and Society, Tandon School of Engineering
Bachelor of Science (B.S.)

Benedetta Piantella
Industry Associate Professor
Technology, Culture and Society, Tandon School of Engineering
Master of Arts (M.A.)

Unnikrishna S Pillai
Professor
Electrical & Computer Engineering, Tandon School of Engineering
Doctorate (Academic)

Nathalie May Pinkerton
Assistant Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctorate (Academic)

Christopher Policastro
Industry Associate Professor
Technology Management and Innovation, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Maurizio Porfiri
Professor
Tandon School of Engineering
Doctorate (Academic)

R

Akbar Rafiey
Visiting Assistant Professor
Computer Science & Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Hamed Rahmani
Assistant Professor
Electrical & Computer Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Sundeep Rangan
Professor
Electrical & Computer Engineering, Tandon School of Engineering
Doctorate (Academic)

Theodore Rappaport
Professor
Electrical & Computer Engineering, Tandon School of Engineering
Doctorate (Academic)

Phillip Mark Rauscher
Assistant Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering

Brandon J Reagen
Assistant Professor
Electrical & Computer Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Darryl A Reeves
Industry Associate Professor
Computer Science & Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Elisa Riedo
Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctorate (Academic)

Ludovic Dominique Righetti
Professor
Electrical & Computer Engineering, Tandon School of Engineering
Doctor of Science (D.Sc.)

Benjamin Riviere
Assistant Professor
Mechanical and Aerospace Engineering, Tandon School of Engineering

Julia Robinson-Surry
Industry Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Sebastian Romero Cruz
Industry Assistant Professor
Computer Science & Engineering, Tandon School of Engineering
Master of Science (M.S.)

Sarah Rosenthal
Lecturer
General Engineering, Tandon School of Engineering
Master of Fine Arts (M.F.A.)

Austin Rovinski
Assistant Professor
Electrical & Computer Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Anton Rozhkov
Industry Assistant Professor
Center for Urban Science + Progress, Tandon School of Engineering

Doctor of Philosophy (Ph.D.)

Bridger Ruyle
Assistant Professor
Civil and Urban Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Jason Alexander Röhr
Industry Associate Professor
General Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

S

Iskender Sahin
Industry Professor
Mechanical and Aerospace Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Ayaskanta Sahu
Associate Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Gustavo Sandoval
Industry Professor
Computer Science & Engineering, Tandon School of Engineering
Master of Science (M.S.)

Raz Saremi
Industry Assistant Professor
Computer Science & Engineering, Tandon School of Engineering

Ivan W Selesnick
Professor
Tandon School of Engineering
Doctorate (Academic)

Linda M Sellie
Industry Professor
Computer Science & Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Davood Shahrjerdi
Professor
Electrical & Computer Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Shrutivandana Sharma
Industry Associate Professor
Technology Management and Innovation, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Valery A Sheverev
Industry Professor
Applied Physics, Tandon School of Engineering
Doctorate (Academic)

David Shimko
Industry Professor
Finance & Risk Engineering, Tandon School of Engineering
Doctorate (Academic)

Anamika Shreevastava
Assistant Professor
Mechanical and Aerospace Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Claudio Silva
Professor
Computer Science & Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Andrea Idette Silverman
Associate Professor
Civil and Urban Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Richard Stein
Industry Associate Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctor of Medicine (M.D.)

John Sterling
Industry Professor
Computer Science & Engineering, Tandon School of Engineering
Master of Science (M.S.)

Julia Stoyanovich
Associate Professor
Computer Science & Engineering, Tandon School of Engineering
Doctorate (Professional)

Hao Su
Associate Professor
Biomedical Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Torsten Suel
Professor
Computer Science & Engineering, Tandon School of Engineering
Doctorate (Academic)

Qi Sun
Assistant Professor
Computer Science & Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

T

Itay Tal
Industry Associate Professor
Computer Science & Engineering, Tandon School of Engineering
Master of Science (M.S.)

Andre D Taylor
Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctorate (Academic)

Iwao Teraoka
Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctorate (Academic)

Julian Togelius
Associate Professor
Computer Science & Engineering, Tandon School of Engineering
Doctorate (Academic)

Paul Torrens
Professor
Computer Science & Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Agnes Tourin
Industry Associate Professor
Finance & Risk Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Nizar Touzi
Professor
Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Eleonora Maria Tronci
Assistant Professor
Civil and Urban Engineering, Tandon School of Engineering

David Truong
Assistant Professor
Biomedical Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Vladimir Tsifrinovich
Industry Professor
Applied Physics, Tandon School of Engineering
Doctorate (Academic)

Dishita Turakhia
Assistant Professor/Faculty Fellow
Computer Science & Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

U

Joline Uichanco
Associate Professor
Technology Management and Innovation, Tandon School of Engineering

Jose Miguel Ulerio
Industry Professor
Civil and Urban Engineering, Tandon School of Engineering
Master of Science (M.S.)

V

Erdem Varol
Assistant Professor
Computer Science & Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Daniel Vignon
Assistant Professor
Civil and Urban Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Kimberly Villalobos Carballo
Assistant Professor
Technology Management and Innovation, Tandon School of Engineering
Bachelor of Science (B.S.)

Eugene Vinitsky
Assistant Professor
Civil and Urban Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Peter Voltz
Professor
Electrical & Computer Engineering, Tandon School of Engineering
Doctorate (Academic)

Evgeny Vulfson
Industry Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctorate (Academic)

W

Qian Wang
Industry Professor
Civil and Urban Engineering, Tandon School of Engineering

Xin Wang
Industry Associate Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Yao Wang
Professor
Electrical & Computer Engineering, Tandon School of Engineering
Doctorate (Academic)

Omar Wani
Assistant Professor
Civil and Urban Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Hanxue Wei
Industry Assistant Professor
Center for Urban Science + Progress, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Edward K Wong
Associate Professor
Computer Science & Engineering, Tandon School of Engineering
Doctorate (Academic)

Y

Takahiro Yabe
Assistant Professor
Technology Management and Innovation, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Z

Sai Qian Zhang
Assistant Professor
Electrical & Computer Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Xin Zhang
Assistant Professor
Finance & Risk Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.)

Quanyan Zhu
Associate Professor
Electrical & Computer Engineering, Tandon School of Engineering

Doctor of Philosophy (Ph.D.)