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.

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 three 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, Buenos Aires, Berlin, Florence, London, Los Angeles, Madrid, Paris, Sydney, Tel Aviv, 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 GLASS 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 i²e. It is what has produced generations of thought leaders and action-oriented learners who are capable of thinking globally and across multiple disciplines.

Programs
• Applied Urban Science and Informatics (Advanced Certificate) (https://bulletins.nyu.edu/graduate/engineering/programs/applied-urban-science-informatics-advanced-certificate/)
• Applied Urban Science and Informatics (MS) (https://bulletins.nyu.edu/graduate/engineering/programs/applied-urban-science-informatics-ms/)
• Bioinformatics (MS) (https://bulletins.nyu.edu/graduate/engineering/programs/bioinformatics-online-ms/)
• Biomedical Engineering (MS) (https://bulletins.nyu.edu/graduate/engineering/programs/biomedical-engineering-ms/)
• Biomedical Engineering (PhD) (https://bulletins.nyu.edu/graduate/engineering/programs/biomedical-engineering-phd/)
• Biotechnology (MS) (https://bulletins.nyu.edu/graduate/engineering/programs/biotechnology-ms/)
• Biotechnology and Entrepreneurship (MS) (https://bulletins.nyu.edu/graduate/engineering/programs/biotechnology-entrepreneurship-ms/)
• Chemical Engineering (MS) (https://bulletins.nyu.edu/graduate/engineering/programs/chemical-engineering-ms/)
• Chemical Engineering (PhD) (https://bulletins.nyu.edu/graduate/engineering/programs/chemical-engineering-phd/)
• Civil Engineering (MS) (https://bulletins.nyu.edu/graduate/engineering/programs/civil-engineering-ms/)
• Civil Engineering (PhD) (https://bulletins.nyu.edu/graduate/engineering/programs/civil-engineering-phd/)
• Computer Engineering (MS) (https://bulletins.nyu.edu/graduate/engineering/programs/computer-engineering-ms/)
• Computer Engineering (PhD) (https://bulletins.nyu.edu/graduate/engineering/programs/computer-engineering-phd/)
• Computer Science (PhD) (https://bulletins.nyu.edu/graduate/engineering/programs/computer-science-phd/)
• Computer Science Tandon (MS) (https://bulletins.nyu.edu/graduate/engineering/programs/computer-science-tandon-ms/)
• Construction Management (Advanced Certificate) (https://bulletins.nyu.edu/graduate/engineering/programs/construction-management-advanced-certificate/)
• Construction Management (MS) (https://bulletins.nyu.edu/graduate/engineering/programs/construction-management-ms/)
• Cybersecurity (MS) (https://bulletins.nyu.edu/graduate/engineering/programs/cybersecurity-ms/)
• Electrical Engineering (MS) (https://bulletins.nyu.edu/graduate/engineering/programs/electrical-engineering-ms/)
• Electrical Engineering (PhD) (https://bulletins.nyu.edu/graduate/engineering/programs/electrical-engineering-phd/)
• Emerging Technologies (MS) (https://bulletins.nyu.edu/graduate/engineering/programs/emerging-technologies-ms/)
• Environmental Engineering (MS) (https://bulletins.nyu.edu/graduate/engineering/programs/environmental-engineering-ms/)
• Environmental Science (MS) (https://bulletins.nyu.edu/graduate/engineering/programs/environmental-science-ms/)
• Executive Construction Management (Advanced Certificate) (https://bulletins.nyu.edu/graduate/engineering/programs/executive-construction-management-advanced-certificate/)
Interdisciplinary Program
The Tandon School of Engineering and School of Law offer the following interdisciplinary program:

- Cybersecurity Risk and Strategy (MS) (https://bulletins.nyu.edu/graduate/engineering/law/programs/cybersecurity-risk-strategy-ms/)

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 and Risk Engineering, Tandon School of Engineering

Greg Aloupis
Industry Professor

Ahmed Ansari
Industry Assistant Professor
Technology, Culture and Society, Tandon School of Engineering
Doctorate (Academic), McGill University

Barry Blecherman
Industry Professor
Finance and Risk Engineering, Tandon School of Engineering
Doctorate (Academic), University of Pennsylvania

Jabril Bensedrine
Industry Associate Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering

Joseph Borowiec
Industry Professor

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

Seyed Farokh Atashzar
Assistant Professor
Mechanical and Aerospace Engineering, Tandon School of Engineering
Doctorate of Philosophy (Ph.D.), University of Western Ontario

Eray Aydil
Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctorate of Philosophy (Ph.D.), University of Houston

Jonathan Bain
Professor
Technology, Culture and Society, Tandon School of Engineering
Doctorate of Philosophy (Ph.D.), University of Pittsburgh-Pittsburgh Campus

Kurt Becker
Professor
Mechanical and Aerospace Engineering, Tandon School of Engineering
Doctorate of Philosophy (Ph.D.), Université des Saarlandes

Rakesh Behera
Industry Associate Professor
Mechanical and Aerospace Engineering, Tandon School of Engineering
Doctorate of Philosophy (Ph.D.), University of Florida

Joshua Bennett
Industry Associate Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering

Jabril Bensedrine
Industry Associate Professor
Technology Management and Innovation, Tandon School of Engineering

Barry Blecherman
Industry Professor
Finance and Risk Engineering, Tandon School of Engineering
Doctorate (Academic), University of Pennsylvania

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

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

Jack Bringardner
Industry Associate Professor
Tandon School of Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), The University of Texas at Austin

Andre Butler
Industry Professor
Civil and Urban Engineering, Tandon School of Engineering

Matthew Campisi
Industry Associate Professor
Electrical and Computer Engineering, Tandon School of Engineering
Doctorate (Academic), New York University

Justin Cappos
Associate Professor
Computer Science and Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), University of Arizona

Alesha Castillo
Assistant Professor
Biomedical Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), University of California, Davis

Luis Ceferino
Assistant Professor
Civil and Urban Engineering, Tandon School of Engineering
Doctorate (Academic), Stanford University

Jonathan Chao
Professor
Electrical and Computer Engineering, Tandon School of Engineering
Doctorate (Academic), Ohio State University-Main Campus

Weiqiang Chen
Associate Professor
Mechanical and Aerospace Engineering, Tandon School of Engineering
Doctorate (Academic), University of Michigan-Ann Arbor

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

Lawrence Chiarelli
Industry Professor
Civil and Urban Engineering, Tandon School of Engineering
Doctorate (Professional)

Anna Choromanska
Assistant Professor
Electrical and Computer Engineering, Tandon School of Engineering
Doctorate (Academic), Columbia University

Joseph Chow
Associate Professor
Civil and Urban Engineering, Tandon School of Engineering
Doctorate (Academic), University of California-Irvine

Dariusz Czarkowski
Professor
Electrical and Computer Engineering, Tandon School of Engineering
Doctorate (Academic), University of Florida

Michael D’Emic
Industry Associate Professor
Technology Management and Innovation, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), National University of Ireland, University College Cork

Nirod Das
Associate Professor
Electrical and Computer Engineering, Tandon School of Engineering
Doctorate (Academic), University of Massachusetts Amherst

Kristen Day
Professor
Tandon School of Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), University of Wisconsin, Milwaukee

Francisco De Leon
Professor
Electrical and Computer Engineering, Tandon School of Engineering
Doctorate (Academic), University of Toronto

Rebecca Delker
Industry Assistant Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering

Peter Depasquale
Industry Associate Professor
Computer Science and Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), Virginia Polytechnic Institute and State University

Ratan Dey
Industry Assistant Professor
Computer Science and Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), New York University

John Di Bartolo
Industry Professor
Applied Physics, Tandon School of Engineering
Doctorate (Academic), University of Virginia-Main Campus

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

Brendan Dolan-Gavitt
Assistant Professor
Computer Science and Engineering, Tandon School of Engineering
Doctorate (Academic), Georgia Institute of Technology-Main Campus

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

Michael Driscoll
*Industry Associate Professor*
Technology Management and Innovation, Tandon School of Engineering
Master of Business Administration (M.B.A.), Polytechnic Institute of New York University

Roger Dubois
*Associate Professor*
Technology, Culture and Society, Tandon School of Engineering
Doctorate (Academic), Columbia University in the City of New York

Deangela Duff
*Industry Professor*
Technology, Culture and Society, Tandon School of Engineering
Master of Fine Arts (M.F.A.), Maryland Institute College of Art

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

Jeff Epstein
*Industry Associate Professor*
Computer Science and Engineering, Tandon School of Engineering
Master of Philosophy (M.Phil.), University of Cambridge

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

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

Rose Faghih
*Associate Professor*
Biomedical Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), Massachusetts Institute of Technology

Chen Feng
*Assistant Professor*
Civil and Urban Engineering, Tandon School of Engineering
Doctorate (Academic), University of Michigan-Ann Arbor

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

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

Juliana Freire
*Professor*
Computer Science and Engineering, Tandon School of Engineering

Doctorate (Academic), Stony Brook University

G

Jean Gallagher
*Professor*
Technology, Culture and Society, Tandon School of Engineering
Doctorate (Academic), City University of New York Graduate School and University Center

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

Bruce Garetz
*Professor*
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctorate (Academic), Massachusetts Institute of Technology

Siddharth Garg
*Associate Professor*
Electrical and Computer Engineering, Tandon School of Engineering
Doctorate (Academic), Carnegie Mellon University

Guido Gerig
*Professor*
Computer Science and Engineering, Tandon School of Engineering
Doctorate (Academic), Swiss Federal Institute of Technology ETH Zürich

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

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

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

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

Rachel Greenstadt
*Associate Professor*
Computer Science and Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), Harvard University

Nikita Grigoryev
*Industry Assistant Professor*
Chemical and Biomolecular Engineering, Tandon School of Engineering

Nikhil Gupta
*Professor*
Mechanical and Aerospace Engineering, Tandon School of Engineering
Doctorate (Academic), Louisiana State University
H

Arezoo Hajesfandiari
Industry Associate Professor
Mechanical and Aerospace Engineering, Tandon School of Engineering
Doctorate (Academic), University at Buffalo, State University of New York

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

Nada Haq-Siddiqi
Assistant Professor Faculty/Fellow
Chemical and Biomolecular Engineering, Tandon School of Engineering

Ryan Hartman
Associate Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctorate (Academic), University of Michigan-Ann Arbor

Sven Haverkamp
Professor
Mechanical and Aerospace Engineering, Tandon School of Engineering

Danielle Hayes Wright
Industry Associate Professor
Center for Urban Science and Progress, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), The University of Texas at Austin

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

Lisa Hellerstein
Professor
Computer Science and Engineering, Tandon School of Engineering
Doctorate (Academic), University of California-Berkeley

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

Andreas Hielscher
Professor
Biomedical Engineering, Tandon School of Engineering
Doctorate (Academic), Rice University

Michael Horodniceanu
Industry Professor
Civil and Urban Engineering, Tandon School of Engineering
Doctorate (Academic), New York University

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

Danny Huang
Assistant Professor
Electrical and Computer Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), University of California-San Diego

I

Tracy Ingram
Visiting Assistant Professor
Center for Urban Science and Progress, Tandon School of Engineering
Master of Public Administration (M.P.A.), New York University

Magued Iskander
Professor
Tandon School of Engineering, Tandon School of Engineering
Doctorate (Academic), The University of Texas at Austin

Zhong-Ping Jiang
Professor
Electrical and Computer Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), Ecole des Mines de Paris

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

K

Vikram Kapila
Professor
Mechanical and Aerospace Engineering, Tandon School of Engineering
Doctorate (Academic), Georgia Institute of Technology-Main Campus

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

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

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

Jin Kim
Associate Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), University of Wisconsin-Madison

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

Michael Knox
Industry Professor
Electrical and Computer Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), Polytechnic University

Jelena Kovacevic
Professor
Electrical and Computer Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), Columbia University in the City of New York
Michael Krone  
Visiting Assistant Professor  
Computer Science and Engineering, Tandon School of Engineering  
Doctorate (Academic), University of Stuttgart

Debra Laefer  
Professor - NTE  
Center for Urban Science and Progress, Tandon School of Engineering  
Doctor of Philosophy (Ph.D.), University of Illinois at Urbana-Champaign

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

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

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

James Lewis  
Senior Lecturer  
Technology, Culture and Society, Tandon School of Engineering  
Master of Science (M.S.), University of Minnesota-Twin Cities

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

Peter Li  
Industry Assistant Professor  
Tandon School of Engineering, Tandon School of Engineering  
Bachelor of Science (B.S.), Polytechnic University

Yong Liu  
Professor  
Electrical and Computer Engineering, Tandon School of Engineering  
Doctorate (Academic), University of Massachusetts Amherst

Giuseppe Loianno  
Assistant Professor  
Electrical and Computer Engineering, Tandon School of Engineering  
Doctor of Philosophy (Ph.D.), Università degli Studi di Napoli Federico II

I-Tai Lu  
Professor  
Electrical and 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.), Polytechnic University

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

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

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

Thomas Marzetta  
Industry Professor  
Electrical and Computer Engineering, Tandon School of Engineering  
Doctor of Philosophy (Ph.D.), Massachusetts Institute of Technology

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

Damon McCoy  
Associate Professor  
Computer Science and Engineering, Tandon School of Engineering  
Doctorate (Academic), University of Colorado at Boulder

Kathleen Mcdermott  
Industry Assistant Professor  
Technology, Culture and Society, Tandon School of Engineering  
Master of Fine Arts (M.F.A.), City University of Hong Kong

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

Miguel Modestino  
Associate Professor  
Chemical and Biomolecular Engineering, Tandon School of Engineering  
Doctorate (Academic), University of California-Berkeley

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

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.), Lehigh University

Christopher Musco  
Assistant Professor  
Computer Science and Engineering, Tandon School of Engineering  
Doctor of Philosophy (Ph.D.), Massachusetts Institute of Technology
N
Oded Nov
Professor
Technology Management and Innovation, Tandon School of Engineering
Doctorate (Academic), University of Cambridge

O
Kaan Ozbay
Professor
Civil and Urban Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), Virginia Polytechnic Institute and State University

P
Shivendra Panwar
Professor
Electrical and Computer Engineering, Tandon School of Engineering
Doctorate (Academic)

Ingrid Paredes
Industry Assistant Professor
Tandon School of Engineering, Tandon School of Engineering
Doctorate (Academic), New York University

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

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

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

Unnikrishna Pillai
Professor
Electrical and Computer Engineering, Tandon School of Engineering
Doctorate (Academic), University of Pennsylvania

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

Christopher Policastro
Industry Assistant Professor
Technology Management and Innovation, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), University of California-Berkeley

Maurizio Porfiri
Professor
Mechanical and Aerospace Engineering, Tandon School of Engineering
Doctorate (Academic), Virginia Polytechnic Institute and State University

Elena Prassas
Associate Professor
Civil and Urban Engineering, Tandon School of Engineering

R
Sundeep Rangan
Professor
Electrical and Computer Engineering, Tandon School of Engineering
Doctorate (Academic), University of California-Berkeley

Theodore Rappaport
Professor
Tandon School of Engineering, Tandon School of Engineering
Doctorate (Academic), Purdue University-Main Campus

Brandon Reagen
Assistant Professor
Electrical and Computer Engineering, Tandon School of Engineering
Doctorate (Academic), Harvard University

Thomas Reddington
Industry Professor
Computer Science and Engineering, Tandon School of Engineering
Master of Science (M.S.), University of Pittsburgh

Darryl Reeves
Industry Assistant Professor
Computer Science and Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), Weill Cornell Medical College

Elisa Riedo
Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctorate (Academic), Università degli Studi di Milano

Ludovic Righetti
Associate Professor
Electrical and Computer Engineering, Tandon School of Engineering
Doctor of Science (D.Sc.), École Polytechnique Fédérale de Lausanne

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

Anne D Ronan
Industry Professor
Civil and Urban Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), Stanford University

S
Iskender Sahin
Industry Professor
Mechanical and Aerospace Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), Virginia Polytechnic Institute and State University

Ayaskanta Sahu
Assistant Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), University of Minnesota-Twin Cities

Gustavo Sandoval
Industry Professor
Computer Science and Engineering, Tandon School of Engineering
Master of Science (M.S.), California State University-Sacramento

Ivan Selesnick
Professor
Electrical and Computer Engineering, Tandon School of Engineering
Doctorate (Academic), Rice University

Linda Sellie
Industry Associate Professor
Computer Science and Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), University of Chicago

Davood Shahjerdi
Associate Professor
Electrical and Computer Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), The University of Texas at Austin

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

David Shimko
Industry Professor
Finance and Risk Engineering, Tandon School of Engineering
Doctorate (Academic), Northwestern University

Claudio Silva
Professor
Computer Science and Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), State University of New York at Stony Brook

Andrea Silverman
Assistant Professor
Civil and Urban Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), State University of New York at Stony Brook

Mark Skwarek
Industry Associate Professor
Technology, Culture and Society, Tandon School of Engineering
Master of Fine Arts (M.F.A.), Rhode Island School of Design’s Digital Media Department

Derek Snow
Visiting Professor
Finance and Risk Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), University of Auckland

Stanislav Sobolevsky
Industry Professor
Center for Urban Science and Progress, Tandon School of Engineering
Doctorate (Academic), National Science Academy of Belarus

Jonathan Soffer
Professor
Tandon School of Engineering, Tandon School of Engineering
Juris Doctor (J.D.), University of Denver

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

John Sterling

Industry Professor
Computer Science and Engineering, Tandon School of Engineering
Master of Science (M.S.), New York University

Julia Stoyanovich
Associate Professor
Computer Science and Engineering, Tandon School of Engineering
Doctorate (Professional), Columbia University in the City of New York

Fred Strauss
Industry Professor
Computer Science and Engineering, Tandon School of Engineering
Master of Science (M.S.), Polytechnic Institute of New York University

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

Donghong Sun
Industry Associate Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), Columbia University

Qi Sun
Assistant Professor
Computer Science and Engineering, Tandon School of Engineering
Doctorate (Academic), Stony Brook University

Itay Tal
Industry Associate Professor
Computer Science and Engineering, Tandon School of Engineering
Master of Science (M.S.), Tel Aviv University

Andre Taylor
Professor
Chemical and Biomolecular Engineering, Tandon School of Engineering
Doctorate (Academic), University of Michigan-Ann Arbor

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

Julian Togelius
Associate Professor
Computer Science and Engineering, Tandon School of Engineering
Doctorate (Academic), University of Essex

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

Agnes Tourin
Industry Associate Professor
Finance and Risk Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), University Paris-Dauphine

David Truong
Assistant Professor
Biomedical Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), The University of Texas at Austin

Vladimir Tsifrinovich
**Industry Professor**
Applied Physics, Tandon School of Engineering
Doctorate (Academic), Kirensky Institute of Physics, Russian Academy of Sciences, Krasnoyarsk

Jose Ulerio
**Industry Professor**
Civil and Urban Engineering, Tandon School of Engineering
Master of Science (M.S.), Polytechnic Institute of New York University

Daniel Vignon
**Assistant Professor**
Civil and Urban Engineering, Tandon School of Engineering

Peter Voltz
**Professor**
Electrical and Computer Engineering, Tandon School of Engineering
Doctorate (Academic), Polytechnic Institute of New York University

George Vradis
**Associate Professor**
Mechanical and Aerospace Engineering, Tandon School of Engineering
Doctorate (Academic)

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

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

Yao Wang
**Professor**
Electrical and Computer Engineering, Tandon School of Engineering
Doctorate (Academic), University of California-Santa Barbara

Nialah Wilson-Small
**Industry Assistant Professor**
Mechanical and Aerospace Engineering, Tandon School of Engineering

Edward Wong
**Associate Professor**
Computer Science and Engineering, Tandon School of Engineering
Doctorate (Academic)

mukhtara ay__t__jœ adŽkœnbi Yusuf
**Visiting Assistant Professor**
Technology, Culture and Society, Tandon School of Engineering

Quanyan Zhu
**Associate Professor**
Electrical and Computer Engineering, Tandon School of Engineering
Doctor of Philosophy (Ph.D.), University of Illinois at Urbana-Champaign