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 inclusive, entrepreneurial thinking, and diverse perspectives; and creating innovative and accessible pathways for lifelong learning in STEM. NYU Tandon has led the charge in the development of 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 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.

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

- 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-sciences-bs/)
- Computer Science (Minor) (https://bulletins.nyu.edu/undergraduate/engineering/programs/computer-science-minor/)
- 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 (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 and Risk Engineering, Tandon School of Engineering

Greg Aloupis
Industry Professor
Computer Science and Engineering, Tandon School of Engineering
Doctorate (Academic), McGill University

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

Jennifer Apell
Assistant Professor
Civil and Urban Engineering, Tandon School of Engineering
Doctorate (Academic), Massachusetts Institute of Technology

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

Boris Aronov
Professor
Computer Science and Engineering, Tandon School of Engineering
Doctorate (Academic), New York University

Seyed Farokh Atashzar
Assistant Professor
Mechanical and Aerospace Engineering, Tandon School of Engineering
Doctorate (Academic), University of Western Ontario

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

B

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.), UniversitŠt 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
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  
Doctorate (Academic), Georgia Institute of Technology-Main Campus

Deangela Duff  
*Industry Professor*  
Technology, Culture and Society, 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

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

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

Jean Gallagher  
*Professor*  
Technology, Culture and Society, Tandon School of Engineering  
Master of Fine Arts (M.F.A.), 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.), Polytechnic Institute of New York University

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

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

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 Hossein  
*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

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  
Doctor of Philosophy (Ph.D.), 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

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 Hyeon 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), University of Minnesota-Twin Cities

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

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.), Universitá 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 Modesto
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
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  
Doctorate (Academic) 

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  
Doctor of Philosophy (Ph.D.), 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), Universit` degli Studi di Milano 

Ludovic Righetti  
**Associate Professor**  
Electrical and Computer Engineering, Tandon School of Engineering  
Doctor of Science (D.Sc.), Ecole Polytechnique F`ed`rale 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 

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.), University of California-Berkeley

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&quot; University of Medicine and Pharmacy

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)  

Y  
*mukhtara ay_t_jœ adžkœnbi Yusuf*  
*Visiting Assistant Professor*  
Technology, Culture and Society, Tandon School of Engineering  

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