COMMENCEMENT CEREMONY, 2007

May Seventeenth
Two Thousand and Seven
Continental Airlines Arena
East Rutherford, New Jersey
Welcome to the 2007 commencement ceremony of New Jersey Institute of Technology. The university extends heartfelt congratulations to its graduates on their accomplishment and commends the families and friends who have helped them reach this milestone of academic achievement.

By definition, commencement means “to begin to be.” As the members of the Class of 2007 begin to be, we wish them every success, confident that they have been well prepared for a life of contribution in the 21st century, to meet its challenges and embrace its myriad opportunities.

Well done!

Information in this program is compiled prior to final certification of candidates for graduation. Only the diploma and certified transcript of each student are official documents which attest to the granting of a degree.
Commencement, an age-old tradition, is a joyous yet solemn event signifying years of study and sacrifice.

To preserve the appropriateness of this august occasion —

The audience should remain seated throughout the ceremony and until the recessional is completed.

There will be no standing in the aisles at any time during the ceremony.

Any attendee requiring assistance should contact uniformed Continental Airlines Arena personnel.

Members of the audience are asked to turn off cell phones and beepers.

Your cooperation is greatly appreciated.
### UNIVERSITY CEREMONY

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<td>John J. Mooney ’60</td>
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<td>Co-inventor, Automotive Catalytic Converter</td>
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<td>Randal D. Pinkett</td>
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<td>Co-founder, President and Chief Executive Officer</td>
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<td>Anthony R. Coscia</td>
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**Presentation of Candidates for Master’s Degrees**

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<td>New Jersey School of Architecture</td>
<td>Urs P. Gauchat, Dean New Jersey School of Architecture</td>
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<td>John Cays, Associate Dean New Jersey School of Architecture</td>
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<td>College of Science and Liberal Arts</td>
<td>Fadi P. Deek, Dean College of Science and Liberal Arts</td>
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<td></td>
<td>Somenath Mitra, Chair Department of Chemistry &amp; Environmental Science</td>
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<tr>
<td>School of Management</td>
<td>David Hawk, Dean School of Management</td>
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<td></td>
<td>Barbara Tedesco, Associate Dean School of Management</td>
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<td>College of Computing Sciences</td>
<td>Narain Gehani, Dean College of Computing Sciences</td>
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<td>Interdisciplinary Program in Materials Science and Engineering</td>
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*Listing of the Candidates for Doctoral Degrees begins on page 13.*
*Listing of the Candidates for Master’s Degrees begins on page 25.*
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<td>Newark College of Engineering</td>
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<td>Conferring of Degrees</td>
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*Listing of the Candidates for Baccalaureate Degrees begins on page 35.*
By its charter, New Jersey Institute of Technology is empowered to confer honorary degrees upon individuals of distinguished achievement in recognition of their personal and professional accomplishments and their contributions to society.
THE DEGREE OF DOCTOR OF SCIENCE, HONORIS CAUSA
Presented to
WILLIAM S. GUTTENBERG ’44
PRESIDENT OF WILCO ELECTRIC (RETIRED)

The professional achievements that have enabled William S. Guttenberg to give back so generously to NJIT began with his job after graduation with Bogue Electric Manufacturing, which specialized in electromechanical equipment that included motors and generators. Guttenberg was awarded a BS in electrical engineering from NJIT’s Newark College of Engineering in January 1944 under an accelerated program necessitated by the manpower demands of World War II, and in June of that year, he was inducted into the army. Guttenberg saw considerable action as an infantryman in Europe, where he was wounded twice. While recovering, he returned to Bogue, eventually becoming president of the company. He left Bogue in the early 1970s to start a highly successful firm in the same field, Wilco Electric.

Guttenberg’s focus on helping those with physical limitations and who are developmentally disabled is due, in part, to the challenges of cerebral palsy experienced by his own two children. In 1980, he and his late wife, Adele, joined several other parents to start Spectrum for Living, an organization to provide education, training and a residence for the multi-handicapped when aging parents can no longer meet these basic needs. The organization today serves more than 700 individuals in three New Jersey counties in an intermediate-care facility, group homes, apartments and adult training centers. After the death of their son, the Guttenbergs also contributed a substantial endowment to the JCC on the Palisades in Tenafly, New Jersey, for the Chuck Guttenberg Center for the Physically Challenged. The center now offers more than a dozen therapy and recreational programs.

Guttenberg has generously given back to his alma mater. His most recent $1 million gift expands the previously endowed scholarships. The Guttenberg Scholarships are primarily for physically challenged students, students from Paterson, NJ and other urban centers, students who lost a parent in the September 11th terrorist attacks, and Albert Dorman Honors College students. There are currently eight scholarship recipients at NJIT, two of whom will graduate this year. At NJIT, Guttenberg’s support has been recognized with the university’s Alumni Achievement and Outstanding Alumni awards, and with the Weston Medal. In 1990, Guttenberg Information Technologies Center was dedicated in his honor.

In recognition of his professional achievements, his dedication to physically challenged young people, and his generosity to NJIT, New Jersey Institute of Technology is pleased to confer the degree of Doctor of Science, honoris causa, upon William S. Guttenberg.

“NJIT has given you the tools to become successful in any field that you choose. Through education this country and the world can survive. Remember to repay NJIT so that others can follow you.”
“I have a deep concern about the poor mathematical education people receive nowadays in high school… teachers aren’t trained well enough to explain to students the beauty and importance of mathematics… schools of education are partly to blame, and partly our whole culture. Mathematicians ought to take some responsibility for fixing this problem… there is too much of a disconnect between teachers and researchers.”

THE DEGREE OF DOCTOR OF SCIENCE, HONORIS CAUSA
Presented to
PETER D. LAX, PhD
PROFESSOR EMERITUS OF MATHEMATICS
COURANT INSTITUTE OF MATHEMATICAL SCIENCES
NEW YORK UNIVERSITY

Peter D. Lax is professor emeritus of mathematics at the Courant Institute of Mathematical Sciences at New York University. He has studied many areas of partial differential equations, the existence of solutions, their properties and how to construct them numerically. During World War II, Lax was assigned to the Manhattan Project at Los Alamos, New Mexico; in 1945-46, he worked on neutron transport. During trips in subsequent years to Los Alamos, mathematician John von Neumann helped spark his interest in shock waves, an area to which Lax later made important research contributions.

Lax received his PhD from the Courant Institute in 1949. He returned to the Courant Institute in 1954 after working at Los Alamos National Laboratory with von Neumann on devising schemes for simulating flows with many interacting shocks. He has spent his professional career at New York University, making significant contributions to both mathematics and scientific computing, including partial differential equations, integral systems, computational fluid dynamics, and hyperbolic conservation laws.

Lax has done foundational work on finding solutions to equations that describe the way a single wave moves. It has been long noticed, for example, that a single water wave down a canal will preserve its shape for astonishing distances; his work furthered understanding of such phenomena. His varied contributions touch areas such as scattering theory and modern computational mathematics.

He has received numerous honors for his work, including the National Medal of Science, the Semmelweis Medal, the Wiener Prize, and the Wolf Prize. As an extremely distinguished mathematical expositor, he has received the Lester R. Ford Award and the Chauvenet Prize. In 2005, Lax received the Abel Prize for his groundbreaking contributions to the theory and application of partial differential equations and to the computation of their solutions.

In recognition of his substantial and notable research contributions in the mathematical sciences, New Jersey Institute of Technology is pleased to confer the degree of Doctor of Science, honoris causa, upon Peter D. Lax.
We can all breathe a lot easier thanks to John J. Mooney, co-inventor of the three-way automotive catalytic converter, regarded by The Society of Automotive Engineers as one of the 10 most important innovations in the history of the automobile. Born and raised in Paterson, Mooney went to work for PSE&G immediately after high school while pursuing a degree in chemistry. He then learned that he could readjust his professional focus and do graduate work in chemical engineering at Newark College of Engineering. He received a master’s degree in chemical engineering in 1960.

While studying at NCE, Mooney also was employed at PSE&G’s gas utilization laboratory. This experience would be valued by his next employer, Engelhard Industries, now BASF Catalysts, a division of BASF, where he spent 43 years before retiring in 2003. At Engelhard, he developed a process for the U.S. Air Force that used a ruthenium catalyst to produce hydrogen from liquid ammonia. The catalytic system made it easier for the Air Force to supply hydrogen for weather balloons, since it was more efficient to ship liquid ammonia to distant locations than cylinders of gas. Another innovative application of catalytic technology became the focus of Mooney’s work as the process engineer for the company’s chemical division, which was headed by Carl D. Keith. Their association brought results to the company’s nascent efforts to develop a catalytic approach to cutting undesirable vehicular emissions and they developed a “monolithic” catalytic converter that greatly reduced emissions from propane-fueled forklifts. For Mooney and his research team, the Intercollegiate Clean Air Car Race of 1970 was the ideal opportunity to prove the environmental effectiveness and commercial potential of their first-generation catalytic converter. The cars with the catalytic converters demonstrated the best combination of commercial practicality and emissions reduction—releasing 90 percent less hydrocarbons and carbon monoxide to the atmosphere than their non-catalytic counterparts. However, nitrogen oxide control with exhaust gas recirculation was inadequate. A unique solution to this problem was discovered: the three-way catalytic converter, which permitted destruction of the three exhaust pollutants in a single catalytic bed. The three-way converter was first included in assembly-line cars for the 1976 model year. In combination with an oxygen sensor, the single catalytic bed in this type of converter greatly reduces emission of carbon monoxide, hydrocarbons and nitrogen oxides.

In 2002, the president of the United States awarded Mooney the National Medal of Technology, the nation’s highest honor for science and technology. He also has been recognized by the Finnish Academies of Technology, which awarded him and Keith the prestigious Walter Ahlstrom Prize in 2001. This honor recognizes advances in the industrial use of energy and natural resources that also contribute to social well-being. Over the years, as 17 patents attest, Mooney has continued to expand the potential of catalytic technology for reducing emissions. One of his recent patents applies to small two-stroke engines, which are among the worst of internal-combustion polluters. In recognition of his outstanding achievements in the fields of environmental protection and automotive engineering, New Jersey Institute of Technology is pleased to confer the degree of Doctor of Science, honoris causa, upon John J. Mooney.

“I’ve always had a practical bent. I like to make things happen, and that’s what engineers do—they take the basic science and make things happen.”
“I am extremely humbled and honored to receive an honorary doctorate from one of the leading institutions in technology, NJIT. This distinction is made even more special by the fact that my consulting firm, BCT Partners, is currently based in NJIT’s technology incubator. In light of the fact that we are celebrating NJIT’s 125th anniversary year, my advice to the Class of 2007 is to always remember that you are not meant to follow in the footsteps of other NJIT alumni, but rather your own footsteps…”

THE DEGREE OF DOCTOR OF SCIENCE, HONORIS CAUSA

Presented to
RANDAL D. PINKETT, PhD, MBA
CO-FOUNDER, PRESIDENT AND CHIEF EXECUTIVE OFFICER
BCT PARTNERS

Randal D. Pinkett, PhD, MBA, the first African-American to receive a Rhodes Scholarship at Rutgers University, has established himself as an entrepreneur, speaker, author, scholar and community servant. He is the co-founder, president and CEO of BCT Partners, a multimillion-dollar management, technology and policy consulting firm based in NJIT’s Enterprise Development Center. Pinkett also is overseeing the renovation of information technology projects for Trump Entertainment Resorts in Atlantic City, NJ as the winner of season four of NBC’s reality television show The Apprentice. He holds five academic degrees, including master’s degrees in electrical engineering and business administration and a PhD in media arts and sciences, all three from the Massachusetts Institute of Technology.

Prior to founding BCT Partners, Pinkett obtained corporate experience at General Electric, AT&T Bell Laboratories and Lucent Technologies. He also previously launched four socially responsible business ventures: MBS Enterprises, selling compact discs and cassette tapes out of his college dormitory and using the proceeds to fund high school outreach activities; MBS Educational Services & Training, a firm committed to providing training and development for emerging and seasoned professionals; the Inner City Consulting Group, a multi-disciplinary consulting firm specializing in the unique needs of inner-city communities; and Access One Corporation, which implemented innovative broadband network and telecommunications solutions to ensure that affordable housing was equipped for the 21st century.

Pinkett has been featured in Black Enterprise and Ebony magazines in their “30 Leaders Under 30” issue, as well as in Parade, The New York Times, The Boston Globe, and in segments on Black Entertainment Television and CNN. He is a Leadership New Jersey Fellow, a Next Generation Leadership Fellow of the Rockefeller Foundation, and is a recipient of the National Science Foundation’s Graduate Fellowship. He maintains an active involvement in helping to address issues facing underserved communities, communities of color and the nonprofit organizations that serve them. BCT Partners does considerable work with community-based organizations and he is a member of the Board of Directors for the New Jersey Public Policy Research Institute, the Nonprofit Technology Enterprise Network, the Institute for Innovation in Government Technology, and a member of the Board of Advisors for the Community Technology Centers’ Network.

In recognition of his outstanding academic and professional achievements and service to the community, New Jersey Institute of Technology is pleased to confer the degree of Doctor of Science, honoris causa, upon Randal D. Pinkett.
THE DEGREE OF DOCTOR OF HUMANE LETTERS, HONORIS CAUSA
Presented to
ANTHONY R. COSCIA
CHAIRMAN, PORT AUTHORITY OF NEW YORK AND NEW JERSEY

After holding a number of high-level positions in state
government, in April 2003, Anthony R. Coscia was appointed by
the Governor of New Jersey as chairman of the Port Authority of
New York and New Jersey, the nation’s oldest and largest bi-state
public agency. The Port Authority’s mission is to enhance the
region’s economic competitiveness and prosperity by investing in
transportation projects and services that efficiently move people
and goods within the region and facilitate access to the rest of the
nation and the world. In furtherance of this mission, the Port
Authority manages and maintains the region’s critical
transportation infrastructure, including bridges, tunnels, airports,
the PATH rail system, bus terminals, and the seaports. It also is
leading the redevelopment of the World Trade Center site.

Coscia is also a partner in Windels Marx Lane & Mittendorf, LLP,
one of the region’s oldest and most respected law firms. He has specific experience in the areas of
corporate, financial and real estate transactions and has worked extensively with various
governmental and regulatory agencies. Coscia holds a seat on the firm’s Executive Committee.

From February 1992 to March 2003, Coscia served as Chairman of the New Jersey Economic
Development Authority. He has served as a director and audit committee member of several public
and closely held corporations in the financial services, investment banking, real estate and
manufacturing sectors. In addition, he serves as a trustee of the New Jersey Network Foundation,
Cerebral Palsy of North Jersey and the Liberty Science Center Foundation and is a member of the
New Jersey Performing Arts Center Council of Trustees.

In recognition of his outstanding professional achievements in the transportation industry, New
Jersey Institute of Technology is pleased to confer the degree of Doctor of Humane Letters, honoris
causa, upon Anthony R. Coscia.

“Many of today’s most important policy questions can stand to benefit from the leadership
and insights of those trained in the fields of science and technology.”
THE HASHIMOTO PRIZE

Presented to
PURUSHOTHAMAN SRINIVASAN ’04, ’07
and
SHUANGQUAN WANG ’06

Over a distinguished lifetime, Kazuo Hashimoto garnered more than 1000 patents and applications related to his invention of the telephone answering machine and other technical devices in electronics and telecommunications. One hundred of these were awarded in the United States alone.

He was a recipient of Japan’s Medal of Honor, the Yellow Ribbon, and was one of the select individuals in his country esteemed as a Living National Treasure.

New Jersey Institute of Technology, in recognition of his extraordinary body of creative work and his encouragement of invention, awarded him the degree of Doctor of Science, honoris causa, at these ceremonies in 1994.

In May of 1995, the Hashimoto Endowment was established at NJIT through the generosity and vision of Dr. Hashimoto who found this university to provide an environment in which applied research and scholarship flourish.

A key element of the endowment’s purpose is the annual award of the Hashimoto Prize to a doctoral candidate in electrical or computer engineering who has demonstrated high achievement and promise in the field.

New Jersey Institute of Technology is proud to announce the recipients of the Hashimoto Prize are Purushothaman Srinivasan and Shuangquan Wang, outstanding scholars who have earned the degree of Doctor of Philosophy through distinguished scholarship and research in electrical and computer engineering.
APPLIED PHYSICS
(Degree conferred jointly by NJIT and Rutgers-Newark)

* Na Deng
BS Physics, Nanjing University, Nanjing, People’s Republic of China
Dissertation:
High Resolution Studies of Complex Solar Active Regions
Advisors:
Carsten Denker, PhD
Haimin Wang, PhD

* Chang Liu
BS Physics, Nanjing University, Nanjing, People’s Republic of China
MS Physics, Rutgers University, New Brunswick, New Jersey
Dissertation:
Small and Large-Scale Magnetic Fields Involved with Solar Flares
Advisors:
Dale E. Gary
Haimin Wang

Jose Marino
BS Physics, Universitat de Barcelona, Barcelona, Spain
MS Optoelectronics, Queen’s University of Belfast, Ireland, UK
Dissertation:
Long Exposure Point Spread Function Estimation from Solar Adaptive Optics Loop Data
Advisors:
Thomas Rimmlele, PhD
Haimin Wang, PhD

† Kenneth P. Walsh
BS Mathematics, Queens College, Flushing, New York
MS Physics, Queens College, Flushing, New York
Dissertation:
Feasibility of Superconductivity in Semiconductor Superlattices
Advisors:
Anthony Fiory, PhD
Nuggahalli M. Ravindra, PhD

† — August 2006 graduates
* — January 2007 graduates
BIOMEDICAL ENGINEERING

Diane L. Donnelly  
BS Engineering Technology, New Jersey Institute of Technology, Newark, New Jersey  
MS Biomedical Engineering, New Jersey Institute of Technology, Newark, New Jersey  
Dissertation:  
Characterization of Hypertension Through Multivariate Analysis Utilizing Linear and Nonlinear Methods  
Advisor:  
Ronald H. Rockland, PhD  

Anne Marie Petrock  
BS Electrical Engineering, New Jersey Institute of Technology, Newark, NJ  
MS Biomedical Engineering, New Jersey Institute of Technology, Newark, NJ  
Dissertation:  
Central and Peripheral Autonomic Influences: Analysis of Cardio-Pulmonary Dynamics using Novel Wavelet Statistical Methods  
Advisor:  
Stanley Reisman, PhD  

Yi Zhang  
BS Chemical Engineering, Beijing University of Chemical Technology, Beijing, People's Republic of China  
MS Computer Engineering, New Jersey Institute of Technology, Newark, New Jersey  
Dissertation:  
Biodegradable Thermoset Polymeric Material Based on Corn Chemistry  
Advisors:  
William C. Hunter, PhD  
Michael Jaffe, PhD  

CHEMICAL ENGINEERING

Ge Bai  
BS Chemical Engineering, Dalian University of Technology, Dalian, People's Republic of China  
Dissertation:  
Hydrodynamics Investigation of In-Vitro Dissolution Testing  
Advisor:  
Piero M. Armenante, PhD  

Georgia Chouzouri  
BS Chemical Engineering, National Technical University of Athens, Athens, Greece  
MS Chemical Engineering, New Jersey Institute of Technology, Newark, New Jersey  
Dissertation:  
In Vitro Studies of Degradation and Bioactivity of Aliphatic Polyester Composites  
Advisor:  
Marino Xanthos, PhD
Byeong Joon Jeong  
BS Chemical Engineering, University of Korea, Seoul, Republic of Korea  
MS Chemical Engineering, University of Korea, Seoul, Republic of Korea  
Dissertation:  
Reactive Modification and Crystallization Behavior of Foamed Poly (Butylene Terephthalate)  
Advisors:  
Costas G. Gogos, PhD  
Marino Xanthos, PhD

Praveen B. Kosaraju  
BS Chemical Engineering, Bangalore University, Bangalore, India  
MS Chemical Engineering, New Jersey Institute of Technology, Newark, New Jersey  
Dissertation:  
Solvent Resistant Microporous/Nanoporous Polymeric Hollow Fiber and Flat Film Membranes and Their Applications  
Advisor:  
Kamalesh K. Sirkar, PhD

Jose A. Quevedo  
BS Chemical Engineering, National University of Engineering, Lima, Peru  
Engineer Degree Chemical Engineering, National University of Engineering, Lima, Peru  
MS Chemical Engineering, New Jersey Institute of Technology, Newark, New Jersey  
Dissertation:  
Enhancement of Fluidization and Filtration Using Nanoparticle Agglomerates and Aerogels  
Advisors:  
Rajesh N. Dave, PhD  
Robert Pfeffer, PhD

CHEMISTRY

Deepangi Nikhil Pandit  
BS Biochemistry, St. Xavier’s College, Ahmadabad, India  
MS Microbiology, Maharaja Sayajirao University, Vadodara, India  
Dissertation:  
Ligand-base Drug Design: I. Conformational Studies of GBR 12909 Analogs as Cocaine Antagonist; II. 3D-QSAR Studies of Salvinorin A Analogs as Kappa Opioid Agonists.  
Advisor:  
Carol Venanzi, PhD
CIVIL ENGINEERING

Sun Punurai
BS Civil Engineering, Mahidol University, Nakorn Pathom, Thailand
MS Business Administration in Finance Management, Ramkhamhaeng University, Bangkok, Thailand
MS Civil Engineering, New Jersey Institute of Technology, Newark, New Jersey

Dissertation:
Behavior of Composite Beams with Cold Formed Steel Joists and Concrete

Advisor:
C. T. Thomas Hsu, PhD

COMPUTER ENGINEERING

• Zhiqiang Gao
  BS Computer Science, Zhejiang University, Hangzhou, People's Republic of China
  MS Electrical Engineering, Chinese Academy of Sciences, Nanjing, People's Republic of China

Dissertation:
On Mitigating the Distributed Denial of Service Attacks

Advisor:
Nirwan Ansari, PhD

• Hong Zhang
  BS Electrical Engineering, Beijing University of Aeronautics and Astronautics, Beijing, People's Republic of China
  MS Electrical Engineering, Beijing University of Aeronautics and Astronautics, Beijing, People's Republic of China

Dissertation:
Doppler Spread Estimation in Mobile Fading Channels

Advisor:
Ali Abdi, PhD

ELECTRICAL ENGINEERING

• Biao Cheng
  BS Electrical Engineering, Rutgers University, Piscataway, New Jersey
  MS Electrical Engineering, New Jersey Institute of Technology, Newark, New Jersey

Dissertation:
Ultrasound Measurement Resolution Enhancement with Low Transient Pulse Shaping and Model Reference Baseband Adaptive Processing

Advisor:
Timothy N. Chang
• Dongdong Fu
BS Electrical Engineering, Zhejiang University, Hangzhou, People’s Republic of China
MS Engineering Physics, Tsinghua University, Beijing, People’s Republic of China
Dissertation:
Digital Image Forensics: Steganalysis and Tampering Detection
Advisor:
Yun W. Shi, PhD

Adnan Gündel
BS Electrical Engineering, Middle East Technical University, Ankara, Turkey
MS Electrical Engineering, Middle East Technical University, Ankara, Turkey
Dissertation:
Low Jitter Phase-Locked Loop Clock Synthesis with Wide Locking Range
Advisor:
William N. Carr, PhD

• Nikolaus Lehmann
Diplom Ingenieur Electrical Engineering, Universität Karlsruhe, Karlsruhe, Germany
Dissertation:
Some Contributions on MIMO Radar
Advisor:
Alexander M. Haimovich, PhD

† Li Ling
BS Wireless Telecommunication Engineering, Beijing, People’s Republic of China
MS Electrical and Telecommunication Engineering, Beijing, People’s Republic of China
Dissertation:
Unified Architecture of the Mobile Ad-hoc Network Security (MANS) System
Advisor:
Constantine N. Manikopoulos, PhD

• Pan Liu
BS Electrical Engineering, Tsinghua University, People’s Republic of China
MS Electrical Engineering, Tsinghua University, People’s Republic of China
Dissertation:
Impact of Phase Noise on Block Transmission Systems
Advisor:
Yeheskel Bar-Ness, PhD
† Nan Ni  
BS Electronic Engineering, Beijing University of Aeronautics and Astronautics, Beijing, People’s Republic of China  
MS Electronic Engineering, Beijing University of Aeronautics and Astronautics, Beijing, People’s Republic of China  
Dissertation:  
An Independently Center-Fed Dipole Array for Ultra-Wideband Communication Systems with Ultra-Short Pulses  
Advisor:  
Haim Grebel, PhD

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BS Electronics and Communication Engineering, Regional Engineering College, Warangal, India  
MS Computer Science and Engineering, Osmania University, Hyderabad, India  
Dissertation:  
Design and Performance of CDMA Codes for Multi-user Communications  
Advisor:  
Ali Akansu, PhD

† Shuangquan Wang  
BS Computer Engineering, Xi’an Institute of Posts and Telecommunications, Xi’an, People’s Republic of China  
MS Electrical Engineering, Beijing University of Posts and Telecommunications, Beijing, People’s Republic of China  
Dissertation:  
MIMO Fading Channels Models Statistics and Low-Complexity Estimators  
Advisor:  
Ali Abdi, PhD

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BS Electrical Engineering, Anhui University, Anhui, People’s Republic of China  
MS Electrical Engineering, Anhui University, Anhui, People’s Republic of China  
Dissertation:  
Diagnosis of Malignant Melanoma by Multi-Spectral Nevoscope  
Advisor:  
Atam P. Dhawan, PhD

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BS Electrical Engineering, Tsinghua University, Beijing, People’s Republic of China  
MS Electrical Engineering, Tsinghua University, Beijing, People’s Republic of China  
Dissertation:  
Automatic Modulation Classification of Communication Signals  
Advisor:  
Yun Q. Shi, PhD
ENVIRO NMENTAL EN GINEERING

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BS Chemical Engineering, Kasetsart University, Bangkok, Thailand

Dissertation:
The Impact of Abiotic and Biogenic MN Oxide Coatings on Contaminant Mobility, Bioavailability, and Attenuation

Advisor:
Lisa Axe, PhD

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BS Environmental Engineering, Khon Kaen University, Khon Kaen, Thailand
MS Environmental Engineering, Chulalongkorn University, Bangkok, Thailand

Dissertation:
Evaluation of Environmental Carrying Capacity and Application of the Sustainability Target Method

Advisors:
Lisa Axe, PhD
Reggie L. Caudill, PhD
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ENVIRO NMENTAL S CIENCE
(Degree conferred jointly by NJIT and Rutgers-Newark)

• Keith Charles Silverman
BS Biology, Rutgers, The State University of New Jersey, New Brunswick, New Jersey
MS Environmental and Occupational Health, Degree conferred jointly by University of Medicine and Dentistry of New Jersey, Newark, New Jersey and Rutgers, The State University of New Jersey, Piscataway, New Jersey

Dissertation:
Community-Based Evaluation of the Air Toxics Provisions of Title III of the 1990 Clean Air Act Amendments: Risks, Costs, and Benefits

Advisor:
Zeyuan Qiu, PhD
INFORMATION SYSTEMS

Elizabeth C. Avery Gomez
BS Computer Information Systems, Quinnipiac College, Hamden, Connecticut
MS Professional and Technical Communication, New Jersey Institute of Technology, Newark, NJ
Dissertation:
Mobile Information Communication Technology for Crisis Management: Understanding User Behavior, Response and Training
Advisors:
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BS Applied Science, Florida Atlantic University, Boca Raton, Florida
MS Business Administration, Iona College, New Rochelle, New York
Dissertation:
A Collaborative, Hierarchical, Incremental, and Problem Solving Information Systems Development Model
Advisor:
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BS Information Management, National Central University, Chung Li, Taiwan
MBA Information Systems and Marketing, Pace University, New York, New York
Dissertation:
Sifting Customers for the Clickstream: Behavior Pattern Discovery in a Virtual Shopping Environment
Advisor:
David Mendonça, PhD

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BS Electrical Engineering, Tsinghua University, Beijing, People’s Republic of China
MS Computer Engineering, University of Minnesota, Twin Cities, Minnesota
Dissertation:
People-Searching for People Sharing Similar Interests from the Web
Advisor:
Yi-Fang Brook Wu, PhD
MATERIALS SCIENCE AND ENGINEERING

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BS Polymer Science, Hokkaido University, Sapporo, Japan
MS Biological Science, Hokkaido University, Sapporo, Japan
MS Materials Engineering, University of Wisconsin, Milwaukee, Wisconsin

Dissertation:
Formation of RDX Nanoparticles by Rapid Expansion of Supercritical Solutions: In Situ Characterization by Laser Scattering

Advisors:
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MS Materials Science and Engineering, New Jersey Institute of Technology, Newark, New Jersey

Dissertation:
Structure-Property Relationship of Biodegradable Tyrosine-Derived Polyarylates: Study of the Complex Solid State Behavior

Advisors:
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George L. Collins, PhD
Michael Jaffe, PhD

MATHEMATICAL SCIENCES

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BS Statistics, Indian Statistical Institute, Kolkata, India
MS Statistics, Indian Statistical Institute, Kolkata, India
MS Statistics, University of Maryland, Baltimore, Maryland

Dissertation:
Problems Related to Efficacy Measurement and Analysis

Advisor:
Sunil Dhar, PhD

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BS Pure Mathematics, Fudan University, Shanghai, People’s Republic of China
MS Computational Mathematics, Fudan University, Shanghai, People’s Republic of China

Dissertation:
Prediction of mRNA Polyadenylation Sites in the Human Genome and Mathematical Modeling of Alternative Polyadenylation

Advisor:
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  BS Mathematics and Chemistry, Rutgers University, Newark, New Jersey  
  MS Applied Mathematics, New Jersey Institute of Technology, Newark, New Jersey  
  Dissertation:  
  *Modeling Projection Neuron and Neuromodulatory Effects on a Rhythmic Neuronal Network*  
  Advisor:  
  *Farzan Nadim, PhD*

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  BS Statistics, University of Calcutta, Calcutta, India  
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  MS Applied Statistics, New Jersey Institute of Technology, Newark, New Jersey  
  Dissertation:  
  *Selected Problems of Inference on Branching Processes and Poisson Shock Model*  
  Advisor:  
  *Manish Bhattacharjee, PhD*

**MECHANICAL ENGINEERING**

• Gautam Barot  
  BS Mechanical Engineering, Sardar Vallabhbhai Regional College of Engineering, Surat, India  
  MS Mechanical Engineering, New Jersey Institute of Technology, Newark, New Jersey  
  Dissertation:  
  *Constitutive Modeling of the Thermo-Mechanics Associated with Crystallizable Shape Memory Polymers*  
  Advisor:  
  *I. Joga Rao, PhD*

• Abhijit Aniruddha Gokhale  
  BS Mechanical Engineering, Maharashtra Institute of Technology, Pune, India  
  MS Mechanical Engineering, New Jersey Institute of Technology, Newark, New Jersey  
  Dissertation:  
  *Nanoparticle Formation and Coating Using Supercritical Fluids*  
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BS Civil Engineering, Qingdao University, Shandong, People's Republic of China  
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Dissertation:  
*Direct Simulation of Motion and Deformation of Cells in Flow*  
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Dissertation:  
*Investigation of Formation and Applications of High-Speed Liquid Projectiles*  
Advisor:  
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Dissertation:  
*Flow Characteristics and Phase Interactions of Evaporating Spray Jets in Gas-Solid Suspensions*  
Advisor:  
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BS Production Engineering, Walchand Institute of Technology, Solapur, India  
MS Mechanical Engineering, Wayne State University, Detroit, Michigan  
Dissertation:  
*Synthesis and Analysis of Reactive Nanocomposites Prepared by Arrested Reactive Milling*  
Advisors:  
*Edward Dreizin, PhD*  
*Mirko Schoenitz, PhD*

Mike Yeksel  
BS Mechanical Engineering, Polytechnic University, Brooklyn, New York  
Dissertation:  
*Electric Phenomena in Dilute Flowing Suspensions on Micro and Macro Scale*  
Advisor:  
*Boris Khusid, PhD*
TRANSPORTATION

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Dissertation:
Analytical Model for Staging Emergency Evacuations
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Dissertation:
Risk Management and Analysis of Additional Truck Turnaround Time (ATTT) at Seaport Inspection Stations
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URBAN SYSTEMS
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MS Nursing, Wagner College, Staten Island, New York
Dissertation:
The Impact of Combined Maternal Alcohol and Tobacco Use on Low Birth Weight in Singleton Pregnancies: A Population Based Study in the US 2003
Advisor:
Frances Munet-Vilaro, PhD
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  - Hardik Mukeshkumar Shah
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  - George S. Stavrou
  - Ramazan Pertev Uzulmez
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  - Erik Cruz Vieira
  - Adam Witkowski
  - Alejandro J. Zabala

† — August 2006 graduates
* — January 2007 graduates
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- Jacob V. Baby
- Josephy J. Bahar
- Neeraj Bansal
- Charles James Capouet Jr.
- Jerry Chen
- Adityavarma Gadiraju
- Woei Huang
- Amish Husain
- Jeffrey Scott Jonas
- Mohammad Khalaf Oqla
- Kharashgeh
- Jason W. Koonts
- Michael David Kramarczyk
- Joseph Robert Lallo
- Yi Lin
- Anushree Mital
- Rohan Dilip Mudholkar
- Kritarth Mukund
- Nishanth Murugesu
- Rajath Nagaraja
- Carla Verena Salazar Nunez
- Snehal V. Patel
- Antonio Mario Ponzi
- Usman Raza Rahman
- Rajeshkumar Ashwinkumar Rana
- Mayur Omprakash Sajan
- Birva Mukesh Shah
- Elliot Albert Thong
- Qing Zhu

### ELECTRICAL ENGINEERING

- Ravi Teja Boppana
- Nihal Marion Castelino
- Huseyn Dogukan Cavdar
- Sandhya Chandupatla
- Chiwa Mani Cherukuri
- Aarti Uday Chitre
- Ming-Chieh Chou
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- Ajay Avinash Desai
- Bhavina V. Desai
- Nimaad Mukeshbhai Desai
- Bharath Bhushan Devanoor
- Lakshman Muthusamy
- Devarajan
- Shweta Shantilal Dadiwal
- Narendra Nath Chowdary
- Dhandela
- Ajay Divakaran
- Oneil Duncan
- Hossameldien Anwar Elsheikh
- Suman Erasani
- Jose Armando Fernandez
- Marcos Fonseca
- Chuenleung Fu
- Anishkumar L. Gandhi
- Siddharth Gangadhar
- Zeeshan Nooruddin Gilani
- Daniel G. Go
- Sri Krishna Raghvender Golla
- Satish Kumar Gorantla
- Kartik Gottipati
- Joseph P. Grasso
- Gunjan Gupta
- Bharath Harikrishnan
- Pai-Cheng Hsu
- Shen-Wei Hwang
- Vikas Bhoormal Jain
- Daksha Bhavin Jani
- Phani Priya Jampala
- Satyam Manharbhai Jani
- Parth Rajendra Joshi
- Zoran Jovic
- Pra deerpi Kanagala
- Preet Kanwal
- Kiran Kartika Karunakaran
- Rinthu Katari
- Harshal Arvind Kotadia
- Saikiran Kotamraju
- Devendra Dilip Kulkarni
- Dinesh Kumar
- Kuan-Ting Lo
- Ganesh Maharaj Mahalingam
- Fenil Vinay Manani
- Mary George Mathew
- William C. McKnight
- Ramalakshmi Medarametla
- Nilay Modiv
- Srisaila Pavan Kumar Narra
- Andrew James Nelson
- Andrew Ozga
- Saurabh Pandey
- Samar Jayant Pansare
- Jigish Jatin Parikh
- Mustafa Khan Patan
- Chirag Bipinbhai Patel
- Dipen Vikrambhai Patel
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- Jaiminbhai Anilbhai Patel
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- Rakeshkumar I. Patel
- Ravi Bhaskerbhai Patel
- Sarvesh Sureshbhai Patel
- Utkarsh Nandubhai Patel
- Naga Durgarayudu Pavuluri
- Deepti Ponnam
- Tomasz Pyz
- Ravichandra Kadur Sundar Raj
- Lakshmi Priya Rajagopal
- Ashwini Mohan Raju
- Keerthi Ragreddy
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- Adakalavan Ramanathan
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- Alfranco Salcedo
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- Suhas Sathyaranayana
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  Dhavalkumar Bhagavandas Shah
  Naeem Shaik
• Neha Sharma
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• Dariusz Slivinski
• Pradeesh Soundarapandian
  C. Satya Suchitra
• RagHAV Sukhwal
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• Kierthi Swaminathan
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• Satgurusharan Niranjan Thakkar
• Aushitha Udayanarayanan
  Nirmal Udayasuriyan
  Saurabh Varma
  Krishna Prasad Vasireddy
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• Kedar Moreshwar Vichare
• Keshav Wadhwa
• MaCaulay G. Williams
• Krupa Priyadarsini Yadali
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• Sheetal Reddy Yedula
• Venkata Karthik Yella
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• Abbas Hussain Zaidi
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ENGINEERING MANAGEMENT
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  • Ashley John
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  • Brian L. Krenzien
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  • Alfred J. Lombardo
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  • Keith Richard Mueller
  • Walid A. Muhtaseb
  • Alka Shelly Nair
  • S. Holenarasipura
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  • Gitesh V. Patel
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  • Carla Rita Portilla
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  • Mahima Ramesh
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  • Sandra I. Tovar
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  • Chedric W. Waters
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  • John Kevin Wilson Jr.
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  • Matthew Jude Yencha
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INDUSTRIAL ENGINEERING
• David Yeboah Adwedaa
• Orewell Barthold D'Mello
  Isimeme Esther Efeduma
• Dilip Gopi
• Hari-santosh Gopisetty
  Avinash Kotagiri
  Vasanth Kumar
  Rajkumar Manoharan
• Akshay Minish Shah
  Harinder Singh
  Rohan Pramod Wankhade

INTERNET ENGINEERING
• Uzodinma Eke-Okoro
• Jamal Raslan Musbeh
  Tarkesh A. Patel
  Shoaib Shah
  Yang Xia

MANUFACTURING SYSTEMS ENGINEERING
Kofi Buta Bennin
• Stacey L. Grabiner
  Slawomir Kubicz
  Khaled H. Omar
  Crystal Monet Onuoha
  Amol Neminath Patil

MECHANICAL ENGINEERING
Binu Balakrishnan
  Jitendra Singh Avtar Singh
  Bhamra
  Teymuraz Bitadze
• Aristides E. Chavez
• Shawn Alexander Chester
  Bhagat Reddy Dundumulla
  Raja Venkata Nagendra P.
  Duvvuri
  Michael Florentino
• Anshu Garg
  Nikhil Reddy Gurrala

ENVIRONMENTAL ENGINEERING
• Zayibeth Y. Carballo
• Xuejun Chen
• Gabrielle Moore
  James T. Owens
• Sujatha Palani
CA NDIDATES F OR MAS TER'S DEG REES

Jonathan J. Jorda
Saiprasad Kapala
Akhilesh Review Kuthuru
Sahil Mahajan
• Peter J. Martin
Srikanth Nagalla
Manishkumar Chimanbhai
Patel
Prema Mala Peddada
Rakesh Kumar Rangineni
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Jorge Ruiz
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Harmeet Singh Sandhu
• Biswajit Sarkar
• Ruchitaben D. Shah
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PHARMACEUTICAL
ENGINEERING

• Alexander Ansu
• Kingsley Asam-Dankwah
• Nabil A. Bekheet
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Keanni Rockesha Cole
• Christopher George Elvin
• Boyenoh Gaye
Paul J. Germano
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Michael James Millicker
• Martina K. Olzog
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• Bipin Vasant Shinde
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• Rodrigue I. Deuboue Tchialeu
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TRANSPORTATION

Yona Baruch Baer
Eric K. Hoffmann
• Simon Ololi Nwachukwu
• Eric K. Opie
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• Robert B. Sullivan
• Hsiao-Ting Tseng
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OCCUPATIONAL SAFETY AND
HEALTH ENGINEERING

Jose Alvarez
• Tracie A. Baugh
• Tamara McNair
Mary Shavonne Monrinville
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TELECOMMUNICATIONS

Ahongbey Norbert Aboky-Djanty
David Bortey-Nkpa Anna
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• Jia-Fu Chang
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Sukhdeep Kaur Deep
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Mojisola Adeola Ogunbiyi
† Ying Sun
Sindhura Veerapaneni
† John B. Vishalakumar
† Chunsheng Yang
Brenda Marlene Zamore
Haixia Zeng

CHEMISTRY
Manuvesh Sangwan
† Fan Yang

ENVIRONMENTAL POLICY STUDIES
Kenneth Thomas Carr
John Francis Doyon
† David J. Owen
† Diana A. Saed

ENVIRONMENTAL SCIENCE
Joint with Rutgers-Newark
Kehinde O. Asemuga
Lauren Nicole Maida
Erin Martha Moody
Martin J. Panariello
Kelly Marie Perez
Hema Prashant Patel
William R. Richardson
Stephen C. Seeberger
Sheri Michelle Shiffren
Robert Martin Trepp

PROFESSIONAL AND TECHNICAL COMMUNICATION
† Brian R. Banho
Katherine S. Egan
Patricia Jane Egan
† Eugene T. Green
Lisa Marie Hauser
† Troy David Jensen
† Rachel Beth Kristol
† Aleksandra Marjanovic
† Jenny Rebecca McCormick
Grace A. Moylan
† Cynthia Marie Pengilly
† MaryLou Quillen
† Carol Servino
Frank John Tanzosh
Joseph S. Walzerko
Uneeda Williams
CANDIDATES FOR MASTER’S DEGREES

SCHOOL OF MANAGEMENT

MASTER OF BUSINESS ADMINISTRATION IN MANAGEMENT OF TECHNOLOGY

- Charles Sidney Aaron Jr.
- Hala S. Amer
- Clifford Andrews
- V. Sherron Armstrong
  - Ana H. Belczyk
  - Frank Anthony Benanti
  - George Calarasanne
  - Juan Wijon Chang-Ng
  - Shean-jer Chen
  - Ping-Chun Chou
  - Anawat Chullasewok
  - Thomas Cibelli
  - Wilmer Correa
  - Charmie P. Dani
  - Dottie M. David-Wilson
  - Hector De Los Rios
  - Stephen T. DeLuca
  - Roopak N. Desai
  - Gersen Gabriel
  - Ram K. Gagrani
  - Mark Georges
  - Steven Joseph Geydoshek
  - Kiran Gill
  - Kristijan Gobo
  - Venugopal Godavarty
  - Michael Henry Harwell Jr.
  - Dakota C. Hatch
  - Christine Lynn Hopkins
  - Witchuda Jaipongsai
  - Betty James
  - Pawel Arkadiusz Jurczak
  - Nadia G. Khan
  - Rolf Christian Klein
  - Sridevi R. Kommmidi
  - Ryan P. Lafazan
  - Sunder Lakshminarayanan
  - I-Chun Lin
  - Rosele Lynn
  - Chien-Wei Ma
  - Sharath Kumar Madavaram
  - Heather Martin
  - John D. McCulloch
  - Michael James McGovern
  - Wasudeo Mhaskar
  - Tennille Miller
  - Paul G. Mudd
  - David J. Neal
  - Kohulan Panchalingam
  - Dhaval Patel
  - Jolly D. Patel
  - Rehma A. Patel
  - Swarupdas Namsharan Patel
  - Vinay D. Patel
  - Sunniath Pervez
  - Pablo Marcelo Ponce
  - Lionel Rabayrol
  - Paresh Rana
  - Michael Ravenkamp Jr.
  - Stilianos G. Roussis
  - Erin Colleen Salgado
  - Pranav Sanghvi
  - Maya Saouma
  - Niraj S. Shah
  - Urja Saurabh Shah
  - John Wallace Shiles
  - Bruce W. Smallwood
  - Jonathan Elliot Smith
  - Michael Gerard Smith
  - Jeffrey A. Spoor
  - George R. Suchit
  - Pushpa Swarna
  - Joyce E. Tavarnaris
  - Thomas Tham
  - Lee K. Thompson
  - Vu Tran
  - Josephine Rachael Turkson
  - Jose A. Valbuena
  - Phillip J. Volltrauer
  - Tyema S. Waddy
  - Alan M. Weinberg
  - John Wurch
  - Regis A. Wyluda
  - Jack M. Yu
  - Gioconda Rina Simmonds
  - Zanetti
  - Yan Zeng
  - Leila Sue Zunino

MASTER OF SCIENCE IN MANAGEMENT

- Iqbal Ali
- Temitayo A. Anibaba
- George J. Bastone
- Arlene Begane
- Brian Bost
- Marc Bregman
- Ashley Dionelle Caudill
- Marialisa Cisternino
- Antonella De Vincenzo
- Jan Dzuno
- John J. Evangelista
- George V. Fagan
- Andrew F. Forti
- Jose Luis Garcia
- Frantz Gaston Jr.
- Nitin Jain
- Julia Johnson-West
- George Minas Karaminas
- Narasimha R. Kopparapu
- Nuttaporn Lapjiktosul
- Ji Li
- Emily Lynette Lugo
- Idris Bashir Makhdoomi
- Michael Elliott McWilliams
- Roberto Nardini
- Saad Nazir
- Alexander Ortiz
- Maria Rendon
- Rupa Saha
- Hiren P. Shah
- Ramy M. Sharaf
- Abhijit J. Sheth
- Sanket R. Sheth
- Kamal Shukla
- Kalyani Sitaram Tallapragada
- Sean Pradeep Talluri
- Stefan Tams
- Yeliz Taskin
- Timothy A. Wuorinen
- Ya-Hsu Yang
- Robert Yelk

31
CANDIDATES FOR MASTER’S DEGREES

COLLEGE OF COMPUTING SCIENCES

MASTER OF SCIENCE

COMPUTATIONAL BIOLOGY
Joint with Rutgers-Newark
† Sasi Atluri
† Peter Paul Beltran
Mary Ann Jones
† Mehari Legesse
• Harry S. Southard
† Vardhan Rachabattula Sriharsha

Pravin Kumar Katragadda
† Rajimit Kaur
Vikas Kiran Kaveti
• Mariusz Grzegorz Kedziora
Ravish Khanna
• Kiran Kodavati
• Rama Koteswara Rao Kode
• Karthik Koka
• Haritha Kolli
• Suman Konda
• Komal Kotikalapudi
• Sriman Krishnan
† Sinisa Krznaric
• Neha Chandrashekar Kulkarni
† Catherine M. Kutas
• Minesh Kumar D. Lad
• Krishnaja Lakkakula
Atik Mohan Lal
David Sung-Ho Lee
† Sarah Leu-Yang
• Kelly Marie Luciano
Priyanka Madamanchi
Venkat Laxmi Pradeep K. Madiraju
• Ashwini Reddy Mandadi
• Prateek Surendra Manek
• Swapna Mangalam
† Durgaprasad S. Manne
• Arun Maroli
• Thomas Maroulis
† Ronak Mahendra Mehta
Varun Mahesh Mehta
• Balaji Kandul Mohan
Sameer Rahamathullah
Mohideen
• Srikanth Mone

COMPUTER SCIENCE
• Varun Akurathi
• Rinol N. Alaj
Frank A. Albanese
• Harry K. Alex
• Nana S. Amo-Krah
• Arjun Anand
• Nicole D.M. Armstrong
• Jyotin Arora
• Nitin Subhash Arora
• Sukumar Anurag Avadhianam
• Mirza Muffakham Baig
Deepti Ajay Bajaj
• Khushal Bajaj
• Samina Vijay Bandekar
• Jeetendra Barai
• Ojas Bathla
• Gaurav Batra
• Jeffrey M. Beigie
• Lakshmi Prasanna Bellam
Mital Prafulbhai Bharwad
• Shailesh Janardan Bhirud
Vinay Kumar Bodige
• Shashibhushan Gopal Borade
• Bogdan Alexandru Branzoi
• Robert J. Campbell
• Sujata Chakravadhana
• Uday Chander
• Vikram Gopalpur
Chandrashekar
• Harpreet Singh Chandhok
Shu-Fen Chang
Lavan Kumar Chekala
Haibo Chen
• Sridhar Reddy Chintapally
Tolentino Manuel Correia
• Lovina Shyamal Dadlani
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Kinnari Darji
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David Dieterle
• Chintan Satish Doshi
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Robert M. Evers
• Benjamin Lee Fein
• Michal Figura
• Charles R. Fleming
Marvin Amenamen Fresno
Rahul A. Gaiki
• Bhavik Kaushik Kumar Gandhi
Dilip Gavara
• Pradyut Kumar Ghosh
Elton Ferdinand Gibson
• Ashish Bharatraj Goel
Clyde Omar Goffe
Adithya Goka
Ramya Gokanakonda
• Raghuvamsi Gondi
• Sudhanshu Goyal
Joseph Greco
• Kavitha Gunasekaran
Satya Praveena Gunda
• Arun Gurijala
Ursula Anna Guttmanski
Ramprasad Harirhan
• Macary Henry
Hsien Houston
Garnett A. Hudson
• Ashok Kumar Immedisetti
Naresh Chandra Jagarlamudi
Divya Jain
• Vidhi Mukesh Jhobalia
• Mandar Shankar Joshi
• Jacob S. Kalapurackalthottiyil
Raghavendra Rao Kalepu
† Neelohita Kalisetti
• Madhusudan Rao Karri
• Donald A. Kasner
• Jagadeesh Reddy Kasu

• Pravin Kumar Katragadda
• Rajimit Kaur
• Mariusz Grzegorz Kedziora
• Ravish Khanna
• Kiran Kodavati
• Rama Koteswara Rao Kode
• Karthik Koka
• Haritha Kolli
• Suman Konda
• Komal Kotikalapudi
• Sriman Krishnan
• Sinisa Krznaric
• Neha Chandrashekar Kulkarni
• Catherine M. Kutas
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• Atik Mohan Lal
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• Priyanka Madamanchi
• Venkat Laxmi Pradeep K. Madiraju
• Ashwini Reddy Mandadi
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• Swapna Mangalam
• Durgaprasad S. Manne
• Arun Maroli
• Thomas Maroulis
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• Varun Mahesh Mehta
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• Mohideen
• Srikanth Mone
Monika Monika
Kannan Mookiah
Ryan Keith Moquin
• Sirish Reddy Motati
• Debasish Mukhopadhyay
Sai Kiran Mikkamala
• Raghunath Reddy Mushky
• Musawar Nadeem
• Sivaramanand Nagarajan
• Nagakrishna Sinitha
Naraharisetti
Shankararamalingam
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• Rajeshwara Reddy Pasham
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• Asha Kanjibhai Patel
• Hetal Pankajkumar Patel
Krunal Rameshbhai Patel
• Jigar Piyushkumar Patel
Rekha Ramji Patel
Tejaskumar Dilipbhai Patel
Tushar Vinodbhai Patel
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• Jerzy Pierscinski
• Sri Prada Swathy Potharaju
• Prabhav Potluri

Ram Prasanna
• Vamsidhar Prattipati
Robert M. Press
Bapa Venkata Sanath N. Puppala
• Phaniandra Kumar Pydimarri
• Arjun Rajaraman
Aswin Samuel Rajayyan
• Praveena Ramakrishnan
• Raja Ramani
Vijay Ramkumar
Sunaina Rana
Kadhiravan Malaisamy
Rangasamy
Dinesh Rath
• Prasanthi Ravinutala
Noel Jonas Reddipogu
Swathi Bhaskar Jonnala Reddy
Steven Jeremy Regula
• Michael Anthony Robbins
• Ross Steven Romano Jr.
• Susan Marie Romero
Raymond J. Rizzuto
Prashant Saxena
• Susan Elizabeth Schnatterly
• Abirami P. Selvaraj
• Xavier Dominic Savio Selvaraj
• Heny Shah
• Kevin Ramesh Shah
• Manan Hareshbhai Shah
• Parin Janakumar Shah
• Pratik Mahendrakumar Shah
• Atul Kumar Sharma
• Priyanka Sharma
• Sachin Sharma
Magdi Wadie Shenoda
• Girish Jagdish Showkatramani
• Manpreet Singh
Raghavendra Singh
Ravikiran Singh
Reshma Singh
Suraj Pal Singh
• Saurabh Singh
Anupama Reddy Soli
Alan E. Stone
• Wen Sun
• Agnes Sung-Tang
Venkat Ramesh Sunkavalli
• Sirisha Tammineni
• Asmini Anil Thatte

• Thomas Mohan Thomas
Venkatesh Thota
• Satya Krishna Thummalapalli
• Khin Thandar Tun
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Shweta Dharmesh Vachhani
• Rushabh Vijay Vakharia
• Sanyukta Vallabhaneni
• Sathyaa Keerthi Varatharajan
• Naveen Veeramachaneni
Vijay Veerappan
Lavanya Krishna Venugopal
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• Naushad I. Walele
• Xiaoliang Wang
• Ching-Chien Wu
• Praveen Yaramati
• Atif Abbas Zaidi
• Fahad Zamir

INFORMATION SYSTEMS
• Fatahia Alhassan
Dimple Kanaiyalal
Amleshvarwala
Mark F. Anderson
Matthew Berger
• Karen Bridgett
Amita Chaudhry
• Xiaoyu Chen
Huei-Ling Chu
• Jason Babatunde Crawford
Saikat Das
• Shakima Davis
• Raymond Diaz
CANDIDATES FOR MASTER’S DEGREES

- Evan Fosu
- Rostislav P. Goljak
- Sree Bharat Gummadi
- Menish Gupta
- Jerome Hill
- Priyanka Iyer
- Shadaan Javan
- Deepeish R. Jiwani
- Selwyn Dominique Joseph Jr.
- George Katsalis
- David J. Koppenhofer
- Bhavika Samir Kotadia
- Heather Leigh Lord
- Prabhu Ram Manoharan
- Danekia McLarty
- Michelle A. Michael

- Sunanda Mondal
- Edward J. Musa
- Santoshkumar Girish Nair
- Ilya Vladimirovich Naumov
- Huy D. Nguyen
- Emmanuel Oyatunde
- Ashishkumar Gamanlal Patel
- Chirag C. Patel
- Dimple Kumari Krishnakant Patel
- Hiral K. Patel
- Mayur B. Patel
- Tejash J. Patel
- Karen Prast Patten
- Bartholomew R. Pinto
- Sharath Raganathan
- Srisai Rangarao
- Priya Renjith
- Roderick Rodriguez
- Xuchu Ruan
- Indranee Saha
- Harshad Balkrishna Samdolikar
- Aparna Jignesh Shah

- Shreyas Ashokkumar Shah
- Subhashini Subramanyam
- Stuti S. Talati
- Amardeep Singh Toor
- Randeep Singh Toor
- Alberto Torres
- Hao-Chou Tsai
- Richard W. Vanderbilt
- Samuel Vilain
- John Visicaro
- Nicole Wedderburn

INTERDISCIPLINARY PROGRAMS

MASTER OF SCIENCE

MATERIALS SCIENCE AND ENGINEERING
- Joel Alexander Payne
- Bhadresh A. Prajapati
- Stephen Rubin
- Luigi P. Verdoni
- Douglas D. Lubega
- Velan Muthu Mudaliar
- Joel Alexander Payne
- Bhadresh A. Prajapati
- Stephen Rubin
- Luigi P. Verdoni
BACHELOR OF SCIENCE

BIOMEDICAL ENGINEERING

Kamlesh Kotak  
Christopher Kramer  
Sita Kulkarni - Honors Scholar, magna cum laude  
Elijah Minjung Kwak  
Si Jin Lai  
David B. Lin - Honors Scholar, magna cum laude  
Yen Chen Lu  
Angeline L. Mascarinas - Honors Scholar, magna cum laude  
Jan Christopher L. Merene  
Peter Miller  
Emad R. Musbeh - magna cum laude  
Mawulom A. Nenonene  
Dean Mark C. Nolasco  
Ralph L. Obrera  
Dilipkumar N. Patel - cum laude  
† Jatin K. Patel  
Jay Patel - cum laude  
Jayson Patel  
Nehal M. Patel - cum laude  
Shrey Surendra Patel  
Tushar R. Patel - magna cum laude  
George Nader Phillips - Honors Scholar, summa cum laude  
Aaron A. Quaye  
† Unum Rahmat - Honors Scholar  
Daniel Ramirez - Honors Scholar, magna cum laude  
Mitang B. Rana - cum laude  
† Murtaza N. Rana  
Ahmed Z. Sabet - Honors Scholar, cum laude  
Tanmay Sahai  
Rina R. Shah - Honors Scholar, summa cum laude  
Samir N. Shah - Honors Scholar, magna cum laude  
Rehan Shahzad - magna cum laude  
† Danny Shakoj

Katherine Susana Andrade  
Nirali J. Bakhtarwala  
Samia Chaudry  
Nitin Chawla  
Stephanie Chea - cum laude  
Tonya Josephine Cleveland  
Irina Cruz  
Reena M. David  
† Samia Haudry  
† Joy Florin Intasamakul  
Mang-Williams John Ndive - Honors Scholar, cum laude  
Amit K. Kaushal - Honors Scholar, magna cum laude  
Christopher J. Khalil - Honors Scholar, magna cum laude  
Dinah Naadei Amasa Kotei - cum laude  
Jay Parshkumar Kothari - Honors Scholar, summa cum laude  
Kamlesh Kotak  
Christopher Kramer  
Sita Kulkarni - Honors Scholar, magna cum laude  
Elijah Minjung Kwak  
Si Jin Lai  
David B. Lin - Honors Scholar, magna cum laude  
Yen Chen Lu  
Angeline L. Mascarinas - Honors Scholar, magna cum laude  
Jan Christopher L. Merene  
Peter Miller  
Emad R. Musbeh - magna cum laude  
Mawulom A. Nenonene  
Dean Mark C. Nolasco  
Ralph L. Obrera  
Dilipkumar N. Patel - cum laude  
† Jatin K. Patel  
Jay Patel - cum laude  
Jayson Patel  
Nehal M. Patel - cum laude  
Shrey Surendra Patel  
Tushar R. Patel - magna cum laude  
George Nader Phillips - Honors Scholar, summa cum laude  
Aaron A. Quaye  
† Unum Rahmat - Honors Scholar  
Daniel Ramirez - Honors Scholar, magna cum laude  
Mitang B. Rana - cum laude  
† Murtaza N. Rana  
Ahmed Z. Sabet - Honors Scholar, cum laude  
Tanmay Sahai  
Rina R. Shah - Honors Scholar, summa cum laude  
Samir N. Shah - Honors Scholar, magna cum laude  
Rehan Shahzad - magna cum laude  
† Danny Shakoj

CHEMICAL ENGINEERING

Avani Shridharani - Honors Scholar, cum laude  
Dale Song  
Lydia Patarath Songprasit - Honors Scholar, cum laude  
Niyati B. Soni  
Bobby G. Soriano  
† Viene Szeto  
Devang J. Tailor  
Ender Temocin  
† Amit K. Tyagi  
† Rency Varughese  
Radha Sai Yamarthy - Honors Scholar, magna cum laude  
† Diya Abdeljabbar - Honors Scholar, summa cum laude  
Leyo M. Alava  
Oluwaseun B. Alonge  
Jignesh K. Amleshvar - cum laude  
Izuchukwu Sean Aree  
Paul Michael Barany - summa cum laude  
Franck M. Benachour  
Steve F. Chokpelle  
Luis J. Costa  
Sydney Trinh Dang  
Emmanuel O. Echie  
Helen Njideka Ekweonu  
Karthik Eticala  
† Alvaro Franco  
Gordon J. French - cum laude  
† Carlos Andres Gonzalez  
Sakinah Holler  
Stephen B. Istivan - magna cum laude  
† — August 2006 graduates  
* — January 2007 graduates

HONORS DESIGNATIONS

Honors Scholar — graduate of the Albert Dorman Honors College  
The following designations are based upon cumulative grade point averages achieved prior to the spring semester:  
summa cum laude — with highest praise  
magna cum laude — with great praise  
cum laude — with praise  
† — August 2006 graduates  
* — January 2007 graduates
<table>
<thead>
<tr>
<th>CANDIDATES FOR BACCALAUREATE DEGREES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CANDIDATES FOR BACCALAUREATE DEGREES</strong></td>
</tr>
<tr>
<td>Cesar A. Jaramillo</td>
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<tr>
<td>• James M. Kelliher 3rd</td>
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<tr>
<td>Feng Lin - magna cum laude</td>
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<td>• May Ly</td>
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<td>David Onsy Malaty</td>
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<tr>
<td>Nashay T. McKoy</td>
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<tr>
<td>Camila R. Modenese - magna cum laude</td>
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<tr>
<td>Gautam Mohla - Honors Scholar, summa cum laude</td>
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<tr>
<td>• Kamini D. Patel - cum laude</td>
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<td>Jignesh Patel</td>
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<td>• Andre Jay Punla</td>
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<td>Kanwal S. Rafiq</td>
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<td>Ariel Ravell</td>
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<tr>
<td>• Christina M. Recine - Honors Scholar</td>
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<td>• Pamela A. Rivera - Honors Scholar</td>
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<tr>
<td>• Daniel Giovanny Rivera - cum laude</td>
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<td>• Marilu Saez</td>
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<td>Sohail Shah</td>
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<td>Lijo M. Varughese</td>
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<td>Salini K. Verma</td>
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<tr>
<td>CIVIL ENGINEERING</td>
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<tr>
<td>James Rene Allegre Jr. - cum laude</td>
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<tr>
<td>Christopher S. Bacchus</td>
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<td>Patricia C. Barkho</td>
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<tr>
<td>• Steven Nicholas Bartha</td>
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<tr>
<td>Douglas Michael Bennet</td>
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<td>William David Bodine III</td>
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<tr>
<td>Damion L. Brown</td>
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<tr>
<td>Michael Richard Cali - cum laude</td>
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<tr>
<td>Chad E. Cantrell - cum laude</td>
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<tr>
<td>Nicholas J. Carlson</td>
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<tr>
<td>Luis Carrera - cum laude</td>
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<td>Samuel Charles</td>
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<td>Omar M. Choukeir</td>
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<tr>
<td>Claudia M. Correa</td>
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<td>Kameed Dalchand</td>
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<tr>
<td>Austin P. DeRogatis - Honors Scholar, summa cum laude</td>
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<td>• Sopan B. Desai</td>
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<td>Lauren A. Dimiceli - cum laude</td>
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<td>Richard J. Eller Jr. - cum laude</td>
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<td>Brian Thomas Felber</td>
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<td>Steven C. Flormann</td>
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<td>Mark Gimigliano</td>
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<td>Nicholas M. Gregory</td>
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<td>Ernest Lee Herbert IV</td>
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<td>Evan M. Jacobs</td>
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<td>Mark M. Keriakos</td>
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<td>George M. Khalil</td>
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<td>• Philip Anthony LiVecchi</td>
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<td>Paul T. Locus - Honors Scholar</td>
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<td>Michael John Lohn</td>
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<td>Anthony T. Massari - Honors Scholar, summa cum laude</td>
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<td>• Britain A. Materek - magna cum laude</td>
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<td>• Ricardo Matias</td>
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<td>• Rita Ann McCarthy</td>
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<td>Jason Robert Menosky</td>
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<td>• Rania F. Nagib</td>
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<td>• Mogheera I. Nagra</td>
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<tr>
<td>• Cristian E. Nieto-Franco - Honors Scholar, magna cum laude</td>
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<tr>
<td>Chirag Vikramkumar</td>
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<td>Palkhiwala</td>
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<td>Bhavesh A. Patel</td>
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<td>Pinal M. Patel</td>
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<td>• Yashesh V. Patel</td>
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<tr>
<td>Miguel A. Pinto</td>
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<td>Jamie Lynn Powless - magna cum laude</td>
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<td>• Jose L. Ramon - Honors Scholar, cum laude</td>
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<td>John Jeffrey Rauch</td>
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<td>• Tricia A. Reduble - Honors Scholar</td>
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<tr>
<td>• Bryan E. Reiser</td>
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<tr>
<td>Jonathan D. Reuther - cum laude</td>
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<tr>
<td>Stephanie R. Ribeiro - Honors Scholar, magna cum laude</td>
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<td>• Alex V. Rivero</td>
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<td>Daniel Silva Rocha</td>
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<td>Diana D. Rodriguez - Honors Scholar</td>
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<td>• Basem S. Yowakim</td>
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<td>Paul Zawadzki</td>
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<td>COMPUTER ENGINEERING</td>
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<td>• Farley Jason Abad</td>
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<td>• Adam M. Afflerback</td>
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<td>Mohammad Hamman</td>
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<td>• Lerhone George Anderson</td>
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<td>Michael D. Bronowicki - magna cum laude</td>
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<td>• Benjamin Earl Cavileer III</td>
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<td>• Umari S. Cheema</td>
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John Vincent Cioni  
Joshua L. Cutugno  
† Richard T. Czaplewski  
Reynold Educuja  
† Manuel Fernandes  
Paul R. Fisher  
† Aboubacar Fofana  
Michelangelo Furnari  
† Brian J. Gallina - cum laude  
† Aldrich Jehrard Gamboa  
Brennard A. Gamboa  
Pablo Andres Garcia  
Omayra Genao  
Dinesha S. Glass  
† Zinovia H. Hatzipetros  
Aron R. Homer  
Farhan Javed - magna cum laude  
Mehul G. Kachhia  
† Sireesha Katragadda  
Anup Kinkhabwala  
Sung Won Koo  
† Manish Gulabhai Lad  
Nathaniel Duquez Lebron  
Francis Leung  
Michael D. Lowney  
Peter Ma  
Awais Malik - cum laude  
Efrain Mercado Jr. - summa cum laude  
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Adefolarin A. Ogunsanya - Honors Scholar, summa cum laude  
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† Alberto Paredes  
Akshay Shashikant Patel  
‡ Chirag M. Patel  
‡ Hardik M. Patel - cum laude  
Jaymin R. Patel  
† Rahulkumar C. Patel  
Vivek P. Patel  
Vinay Rajendra Patel - magna cum laude  
Geepy Pe  
† Reinaldo G. Pinos - magna cum laude  
† Mark Alfred Del Rosario  
Serrano  
Harshil A. Shah  
Pragnesh Shah  
Nicholas K. Siderias  
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Michael Vazquez  
Urman Waseem  
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Jackie Zuniga  
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† Adwoa K. Amoako-Atta  
Carolyne M. Angeles - magna cum laude  
Jehoshaphat Olatunde Arihike  
Fred G. Arku  
Evis Babo  
Albert N. Bahia  
Falgun H. Bakhtiarwala  
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Mingwai Fog  
Gian C. Francisco - Honors Scholar, cum laude  
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David Anthony Jones  
† David Jong  
Jean-Rene Joseph  
Rahul Vishwas Kadam  
Nyron N. Kahrin - summa cum laude  
Attila Kalamar
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<td>Kiratbir S. Khurana - magna cum laude</td>
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<td>Eder Razuri - cum laude</td>
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<td>Kaushik Vaidya - Honors Scholar, cum laude</td>
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<td>Akinola T. Akiwowo</td>
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<td>Nimisha P. Kapadia - Honors Scholar, magna cum laude</td>
<td>Mahesh K. Kunadia</td>
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<td>Hetal A. Patel</td>
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<td>Shyam G. Patel - Honors Scholar, summa cum laude</td>
<td>Collins Perinpanayagam</td>
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<td>Leonard R. Wan - Honors Scholar, cum laude</td>
<td>Kevin Cohen - cum laude</td>
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<tr>
<td>Edward John Kuchie - summa cum laude</td>
<td>Alex J. Lopez.</td>
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</tbody>
</table>

**Engineering Technology**

**Computer Technology Option**

- Tony T. Barroqueiro
- Ghuydar Bashmaf
- Ronald O. Bruney
- Mrigesh Dilipkumar Choksi
John Frank Matrona - magna cum laude
Paul L. McCall - magna cum laude
Romane Olivier
Kathleen M. Sheppard - cum laude
Maureen Sturgeon - magna cum laude
Yonas Masresha Woldeyohannes

Construction Management Technology Option
- Marcus Leonard Caamano - magna cum laude
- Kunal Dash - cum laude
- Steven Thomas Lencsak
- Glenn E. Milarczyk
- Christopher J. Piso - cum laude
- Barrie L. Roman
- Frank P. Smolar - cum laude
- Jonathan Aaron Tenenbaum

Electrical and Computer Engineering Technology Option
- Peter Joseph Amato
- Juan E. Ayala
- Gregory Babiarz
- Myriam F. Bocanegra
- Andrew Joseph Bolles
- Michael W. Buehler
- Vien Van Chu
- John Corleone
- Godefroy Yapi Osee Ekoue
- Nidal S. ElDeramneh - cum laude
- Duckens Excellent
- Phillip P. Gaito
- Manuel Galas
- Christian J. Gonzales
- Diego A. Gonzalez - magna cum laude
- Dario A. Grisales
- George S. Hatzinas
- Osama A. Helmy

Khalid Akhter Husain - magna cum laude
Ikechukwu Ayodele Inya-Agha - cum laude
Jarrett Terrell Jackson
Jean Michel Joseph
Nitin Khetarpal
Joseph R. Marasco
Sean McGowan
Ivan A. Ocampo
David Joseph O'Rourke
Arturo H. Orozco
Regino A. Osorio
Manan D. Patel
Mostafa Raouad - magna cum laude
Evan R. Semel
Deepender Singh
Szymon T. Smakolski - cum laude
Massah K. Sorsor
David R. Souders - cum laude
Geventers Theodore
James L. Van Ness
Marlon Edward Permejo Vargas
Jefferson F. Vida Jr.
Christopher Wannamaker
Khalil Wichou - magna cum laude
Alima Wasia Williams
Ralph J. Zirpoli

Manufacturing Engineering Technology Option
- Keith Roy Baker
- Cesar Cambero - summa cum laude
- Emeka O. Iweagwu
- Francis X. McDermott
- Silvio E. Montesdeoca
- Andrew Stephen Wagner

Mechanical Engineering Technology Option
- Cristian G. Alvarado
- Ryan J. Coleman
- Paul Donaldson Gonzalez
- Christian Luis Huapaya
- Dean Vincent Kowalski
- Andrew B. Lombardino
- Aimee Matarrese - cum laude
- Ivo L. Matos

Carlos B. Morales
Jose Pachas
Donald Paul
Kapil H. Shah
Patrick P. Sobczyk
Kjell E. Strande
Bogdan Gabriel Ungureanu - magna cum laude
Alberto Andres Villota - cum laude
Erich C. Voss

Surveying Engineering Technology Option
- Andrew David Archer
- Anthony J. Bonasera - magna cum laude
- John J. Butler
- Ronald Joseph Carpenter
- William C. Collier Jr.
- William Anthony DiBartolo Jr.
- Christopher M. Ernst
- Scott J. Green - magna cum laude
- Maciej A. Gwiszcz
- Robert Heitzer
- Derek J. Kennedy - cum laude
- Messan Denagon Konou
- Lorianne Michele Lawyer - cum laude
- Domenick Anthony McGonigle
- Kenneth William Miller
- Robert Vallee
- Ryan Gary Warford
- James C. Weed
- Eric V. Wilde
- Todd Yanoff

Telecommunications Management Technology Option
- John Dimitrakis
- Abhimanyu Diwaker
- Hani Elbeyali - cum laude
- Thomas J. Ganz

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• Eric Joseph Kenny  
  Steven Joshua Ribe  
• Vikram Vickey Shah - cum laude  
  Huan T. N. Tran  
† Justin E. Turon - cum laude

ENVIRONMENTAL ENGINEERING
Melissa A. Motyl - summa cum laude  
• Sherwin Ulep

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  Goodman Ceus  
  Ashley Y. Chou - Honors Scholar, magna cum laude  
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  Carlos A. Rubio Flores  
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• James R. Inn  
  Haig S. Jean  
† John Jamil Johnson  
  Adriel Enrique Lanao  
  Joon Young Lee  
  Jennifer Ann Galvez Mabalot - Honors Scholar, magna cum laude  
  Amanda S. Mogro - cum laude  
  Arismendy Paulino  
  Utrualia C. Perkins  
  Christopher Ratliff  
  Ihab S. Samuel - magna cum laude  
  Sean J. Stanley  
  Victor E. Vides

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John Abdou - cum laude  
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Zaki Asghar  
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  Samrath Singh Dhaliwal - cum laude  
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• Christopher Edward R. Errick  
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  James T. Lynch - Honors Scholar, summa cum laude  
  Dolanimi Olugbenga Ogunkoya - Honors Scholar, cum laude  
  Niral J. Patel

• Rajen Bhupendra Patel - Honors Scholar, summa cum laude  
• Alejandro E. Perez - cum laude  
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• Andriy Pletenetskyy  
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  Elliot S. Ruddie  
  Matthew Paul Schaefer - Honors Scholar, summa cum laude  
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  William Frank Seppelt  
  Vaibhav M. Shah  
  Ryan Charles Shaker  
  Donald Charles Sidun  
† Eric R. Simmers - magna cum laude  
† Robert A. Sliczynski  
  Douglas E. Smith  
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  German Valencia
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  * Siri Julianus - magna cum laude
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  Hyuna Kang
  * Maryam Katouzian - Honors Scholar, cum laude
  * Phillip J. Kuehne - magna cum laude
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  Lisze Rachel Lam - Honors Scholar
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  * Hyunsu S. Lim
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  Michael J. Marvin
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  Richard A. Miller
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  * Amr O. Mohamed
  * William A. Moses
  * Sarah Vivien DeLeon Oller - cum laude
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  * Viren N. Patel
  Stephen William Pavlics
  * Mary Margaret Polites - cum laude
  Veronica Quintero
  Jiten Ragha
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  * Mark James Spuhler
  Shahed Syed - cum laude
  Mina Talai
  William C. Tate
  German Valencia
  Nevine William
  * Lauren Elizabeth Young
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  * Jessie Demar Lawrence
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  * Dan Z. Ni
  Diego Paban
  * Anthony Michael Pesic
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Hamid F. Bagce

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Gursimran Gandhi
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Exxon Mobil Corporation Merit Award  
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Michael Pallotta

Gleason Estate Scholarship  
Jatin Rana

Dr. Joseph Joffe Distinguished Professor Emeritus  
Merit Award  
Feng Lin

Merck Engineering & Technology Fellowship  
Karthik Eticala

Ruth & Peter Metz Scholarship  
Angie Mascarinas

Newark College of Engineering Outstanding Senior Award – Biomedical Engineering  
Hamid F. Bagce

Newark College of Engineering Outstanding Senior Award – Electrical Engineering  
Gian Francisco
Jared Kruzek

Newark College of Engineering Outstanding Senior Award – Engineering Technology  
Maureen Sturgeon

New Jersey Institute of Technology Faculty Scholarship  
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Gursimran Gandhi
James T. Lynch
Angie Mascarinas
George Phillips
Jatin Rana
Lijo Varughese

New Jersey Outstanding Scholars Recruitment Scholarship  
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Jatin Rana

John W. Padalino Memorial Scholarship  
Gursimran Gandhi

Quasdi Foundation Scholarship  
Howard Remmich
Lijo Varughese

George Rust Scholarship  
Lijo Varughese

Jerome Sherman Scholarship  
Jatin Rana

W. Paul Stillman Trust Scholarship  
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John J. & Edna Weir Scholarship  
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Yen Family Foundation  
Feng Lin

New Jersey Board of Overseers Award  
James T. Lynch
IN RECOGNITION OF THE CLASS OF 2007

Proud parents, family and friends have recognized the accomplishments of individual members of the Class of 2007. Gifts, in their honor, have been made to the university to provide support for future generations of graduates.

In honor of our son
Adam Afflerback
Mom & Dad

In honor of our son
Michael R. Cali
Mr. & Mrs. Richard Cali

In honor of
Marcus Leonard Caamano
Manuel & Vivian Caamano

In honor of our son
Benjamin E. Cavileer, III
Mom & Dad

In honor of our son
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Thomas & Kathleen Cymmer

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William A. DiBartolo, Jr.
William & Amy DiBartolo

In honor of my son
Douglas Ehlers
William Ehlers

In honor of our son
Andrew Gordon
Mom & Dad

In honor of my son
Alexander F. Holczer
Proud & happy Mom

In honor of our son
Christopher Kramer
Mom & Dad

In honor of our son
Britain Materek
Mom, Dad & April

In honor of our daughter, sister & aunt
Melissa Mazanek
Mom, Dad, Jay, Ray, Megan, Tori & Sky

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Papa, Mama & Deanna

In honor of our son
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Mom & Dad

In honor of our daughter
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Gloria Osolio
In honor of our son
Domenico Panuccio
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In honor of our son
Geepy Pe
George & Argie Pe

In honor of our son
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In honor of
Vikram Shah
Love, Mom & Dad

In honor of our daughter
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Mom & Dad

In honor of our son
Drew Tauber
Mom & Dad

In honor of my son
Lino Turbela
Florentina Turbela

In honor of our daughter
Uzoamaka O. Udenta
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In honor of our son
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Roman & Ulep Families

In honor of
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Oscar & Maria Antonia D. Valencia

In honor of our son
Sinclair Ma Wang
The Wang Family
IN RECOGNITION OF FAMILY AND FRIENDS
Members of the Class of 2007 have recognized the extraordinary people whose support has helped them throughout their academic career. Gifts in their honor have been made to the university to assist future undergraduates.

In honor of my mom & dad
Magda & Esmat Abdou
John Abdou

In honor of mom & dad
Ricardo & Maria Miguel
Ricardo V. Miguel

In honor of Mom & Dad
Adam Afflerback

In honor of my mom & dad
Nita & Mastikmuks Patel
Chintan M. Patel

In honor of my family
Mama Esteling, the Javier & Bahia Families
Albert Bahia

In honor of my husband
Ruben D. Ramirez
Myriam E. Ramirez

In honor of my Dad
Fritz Blemur

In memory of my mom
Sofia de Rocha
Diego Rocha

In honor of my Parents
Andrew Cymmer

In honor of my mom & dad
Bharat & Kalpana Shah
Vikram Shah

In honor of my grandfather
Anthony DiBartolo
Bill DiBartolo

In honor of my mom & dad
Bhарат & Kalpana Shah
Vikram Shah

In honor of my mother
Susan M. Stark
Christine Stark

In honor of my mom, dad, wife, son & brothers
Adela, Jorge, Natalia, Ali, Irvin & Euler Granda
Jorge Granda

In honor of my mom & dad
Mr. & Mrs. Boniface & Elizabeth Udenta
Uzoamaka Udenta

In honor of my parents
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In honor of my parents
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In honor of my husband
Javier Lozano
Eliana Lozano tu Reina
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The 2007 commencement exercises mark the culmination of a year-long celebration: the 125th anniversary of the founding of Newark Technical School, New Jersey Institute of Technology’s earliest predecessor. The New Jersey Institute of Technology that we know today has a rich history with its beginnings developing from the industrial age. Like many of the port cities around the world, the Newark, New Jersey of the late 19th century was a thriving industrial center. Its factories churned out thread, metals, paints and leather goods. In Newark, Thomas Edison set the stage at his Ward Street factory for his later astounding achievements, and Edison rival Edward Weston established the first factory in the United States for commercial production of dynamo electric machines.

At the height of this age of innovation, in 1881, an act of the New Jersey State Legislature essentially drew up a contest to determine which municipality would become home to the state’s urgently needed technical school. The challenge was straightforward enough: The state would stake “at least $3,000 and not more than $5,000” and the municipality that matched the state’s investment would earn the right to establish the new school.

The Newark Board of Trade, working jointly with the Newark City Council, launched a feverish campaign to win the new school. Dozens of the city’s industrialists, along with other private citizens, eager for a work force resource in their home town, threw their support behind the fund-raiser. By 1884, the collaboration of the public and private sectors produced success. Newark Technical School was ready to open its doors.

The first 88 students, mostly evening students, attended classes in a rented building at 21 West Park Street. Soon the facility became inadequate to house an expanding student body. To meet the needs of the growing school, a second fund-raiser—the institution’s first capital campaign—was launched to support the construction of a dedicated building for Newark Technical School. In 1886, under the leadership of the school’s dynamic first director, Dr. Charles A. Colton, the cornerstone was laid at the intersection of High Street and Summit Place for the three-story building later to be named Weston Hall, in honor of the institution’s early benefactor. A laboratory building, later to be called Colton Hall, was added to the campus in 1913. Daniel Hodgdon served as the director of Newark Technical School from 1918 to 1920.

Under the formidable Dr. Allan R. Cullimore, who led the institution from 1920 to 1949, the modest Newark Technical School was transformed into the robust Newark College of Engineering. Campbell Hall was erected in 1925, but during the lean years of the Depression and World War II, only the former Newark Orphan Asylum, now Eberhardt Hall, was purchased and renovated by the college.

The post-war period was one of enormous activity during which President Cullimore—like today’s post-Cold War university presidents—challenged the college to turn “wartime thinking into peace-time thinking.” In 1946, about 75 percent of the freshman class had served in the armed forces. Robert W. Van Houten was acting president of NJIT from 1947 until 1950 when the board of trustees named him president. Cullimore Hall was built in 1958 and two years later the old Weston Hall was razed and replaced with the current seven-story structure. Doctoral level programs were introduced and six years later, in 1966, an 18-acre, four-building expansion was completed. William Hazell succeeded Dr. Van Houten as president of NJIT in 1970.

In 1975, with the addition of the New Jersey School of Architecture, the institution had evolved into a technological university, emphasizing a broad range of graduate and under-
graduate degrees and dedication to significant research and public service. A stronger-than-ever Newark College of Engineering remained intact, but a new university name—New Jersey Institute of Technology—signified the institution's expanded mission.

A broadened mission called for the creation of a residential campus and the opening of NJIT’s first dormitory in 1980 began a period of steady growth that continues today. Under the leadership of Saul K. Fenster, who served as president of NJIT from 1978 to 2002, two new schools were established at the university during the 1980s, the College of Science and Liberal Arts in 1982 and the School of Industrial Management in 1988. The Albert Dorman Honors College was established in 1994, and the newest school, the College of Computing Sciences, was created in 2001.

Today, with its four-pronged mission of education, research, service and economic development, the university plays a critical role in shaping New Jersey’s future. As a major public technological university, NJIT is an important conduit through which technology flows into society.

University researchers seek new knowledge to improve processes and products for industry. Through public and private partnerships and economic development efforts, the university helps to grow new business ventures that fuel the economy. NJIT’s research program is among the fastest-growing in the nation and ranks among the top ten technological universities in the nation for research expenditures.

The university’s extensive community outreach and economic development programs include New Jersey’s oldest and largest small-business incubator—one of the top 25 in the nation—focusing on high-technology companies and minority-owned businesses.

NJIT has been designated a Center of Academic Excellence in Information Assurance Education by the National Security Agency.

As the state’s Homeland Security Technology Systems Center, NJIT will serve as a consultant for technology evaluation and develop prototypes of integrated homeland security systems for testing, demonstration and training. The Center will focus on areas already identified by the federal government as vital to national security: intelligence and warning, border and transportation security, protecting critical infrastructure and key assets, emergency preparedness and response, and defending against catastrophic threats and domestic counter-terrorism.

NJIT’s educational programs prepare students to be leaders in the technology-dependent economy of the 21st century. Our educational programs grow out of a century-long tradition of academic excellence, and our student body is one of the most diverse in the United States. Ninety-eight percent of NJIT’s full-time faculty hold the terminal degree for their field. The university’s faculty:student ratio is 1:13.

NJIT is ranked in the nation’s top tier of national research universities, according to the U.S. News and World Report’s 2007 Annual Guide to America’s Best Colleges. U.S. News also named NJIT the nation’s 11th most diverse institution of higher education. According to Forbes.com, NJIT ranks among the nation’s 25 “most connected” campuses. The Princeton Review named NJIT as one of the nation’s best value undergraduate institutions. In addition, Diverse Issues in Higher Education ranks NJIT among the nation’s leading schools for graduating minority engineering students.

Within this decade, we will see NJIT recognized as a top-ranked public research university, as a national leader in the education of underrepresented groups for the technological professions, and as a catalyst for a healthy New Jersey economy.
The pageantry and tradition of college and university commencement ceremonies originated more than 800 years ago in medieval universities of Europe.

These early universities were bodies or guilds of students who took their name from the Latin word *universitas*, meaning a number of persons associated into one guild or community. These guilds were dedicated to the mastery of the arts and sciences. The master’s or doctoral degree denoted full membership in the guild and admitted the recipient to the practice of teaching. The bachelor’s degree, on the other hand, originally indicated only that the recipient had entered a course of study leading to the doctorate or mastership. Later, the baccalaureate came to signify the completion of one level of study preparatory to higher degrees.

The term “commencement,” which means beginning, originally referred to the occasion on which the student received the master’s degree and “commenced” his career. Today, however, all levels of degrees are conferred at commencement.

Academic caps, gowns and hoods developed gradually from the long flowing robes that the teachers wore to protect themselves from the cold of the medieval buildings. As the scholars of the time were usually clerics, their robes differed little from those used by the church orders. Slowly, certain styles were designated for the universities, and these, with minor modifications, are the costumes worn today. Hoods were originally fashioned after the monk’s cowl. The cap, with its tassels, evolved from the skull caps of the scholar-monks. In France, where the degree system probably began, wearing the cap and gown marked the formal admission of the student to the body of masters.

Today, academic regalia is standardized by the American Intercollegiate Code.

In the United States it is traditional for academicians to wear the gown and hood of the university where they received their highest degree.

The gowns of bachelor’s and master’s candidates are usually without trimmings, whereas those for the doctoral degree are faced down the front with velvet and adorned with three velvet bars on the sleeves. The hood, a triangular fold of cloth worn over the back of the gown, is faced with colors which signify the field of study in which the degree is earned. The colors of the lining are those of the college or university which granted the degrees.

The length of the hood increases with each higher degree.

The cap may be the stiff-crown style (mortarboard), or the soft tam. The tassel for bachelor’s and master’s is black or color appropriate to the major; those of doctor’s are black or golden. The tassel is worn on the left side by those who have received a degree.

These colorful traditions culminate today in the academic procession and the commencement ceremony itself. They carry with them the splendor and majesty that is properly associated with such a happy and important occasion and help remind us of the long tradition of higher education.

**THE MACE**

The mace, used today as a symbol of authority, also dates back to medieval times when it was used for an offensive weapon. Made wholly or partly of metal, and often spiked, it was used especially for breaking armor.

In time, it became a staff borne by, carried before, or placed near a magistrate or other dignitary as an ensign of his authority.

The university’s mace is carried in the academic procession, immediately preceding the undergraduate degree candidates. Presented as a class gift in the early 1950’s, it is thirty inches in length and is marked at the head by the Bronze Seal of the university.
THE PRESIDENTIAL MEDALLION

The use of medallions or large medals, as symbols of office and authority, is also a tradition stemming from medieval times.

The presidential medallion of the university is struck in silver and bears the official university Seal. It is worn about the neck by the president of the university on ceremonial occasions.

The medallion was presented to the university in 1968 by the Alumni Association.

THE GONFALONS

Gonfalons, the insignia or symbols first used by princes or states in medieval Italy, have in recent times become widely used by colleges of major universities. The 1987 commencement ceremony marked their first processional use by New Jersey Institute of Technology. Each of the NJIT colleges is identified by its own symbol and by the year in which degree-granting programs were initiated.

Newark College of Engineering has as its ensign a chess rook, an ancient symbol associated with engineering and problem-solving as well as an early device in heraldry. It is shown on a field of academic orange with the year 1919, as the date when degrees were first authorized for the college.

New Jersey School of Architecture carries as its symbol a representational column head, the classic denotation of the discipline which is used throughout the college. It is shown on a field of blue violet, the academic color, and bears the year designation of 1973.

College of Science and Liberal Arts is identified by a lamp, another medieval symbol, commonly seen as a source of intellectual, moral and spiritual illumination. The white and gold of the banner encompasses both arts and letters and theoretic and applied aspects of science. The college was organized as a degree-granting entity in 1982.

The American eagle in flight is the pictorial representation of the School of Management, symbolizing vision, control and integrity. Often depicted on coinage and currency, the eagle enjoys a historical tie to business and management and is shown against light brown, the academic color of its discipline.

The Albert Dorman Honors College, represented by a scroll, was established in 1993. The college aims to inspire and prepare NJIT Honors Scholars to succeed through the highest standards of personal and academic achievement.

The College of Computing Sciences is represented as a circle of five segments symbolizing computing as an academic discipline that connects and enriches all disciplines. The light blue background signifies computing as a distinct discipline in its own right, while the colors in the circle represent the other academic disciplines.
To Alma Mater fair and great,
our voices now we raise.
Our gratitude we demonstrate,
your steady voice we praise.
Your challenge on us never fails,
a world of knowledge calls.
In heart and mind,
our trust we'll bind
to our NJIT.
We'll hold your memory ever dear,
your spirit we'll revere.
To you we'll promise loyalty,
our own NJIT.
COMMENCEMENT CEREMONY, 2007

May Seventeenth
Two Thousand and Seven
Continental Airlines Arena
East Rutherford, New Jersey