

Commencement Ceremony



**Georgia Institute
of Technology**

spring **MEYER**



welcome to the 227th Commencement of the Georgia Institute of Technology. The entire Tech community extends cordial greetings to parents, spouses, relatives, and friends gathered here for this significant event.

For approximately 2,300 undergraduate and graduate students, today's ceremony recognizes their academic achievements at Georgia Tech and inaugurates a new era in their careers.



Spring Semester • MD Ceremony

*May 3, 2007 • 7:00 p.m. • First Center for the Arts*_____

PROCESSIONAL

*Georgia Tech Commencement Ensemble,
coordinated by the Department of Music*

MASTER OF CEREMONIES

Dr. G. Wayne Clough, President

REFLECTION

*Rev. J. Al LaCour,
Campus Minister for International Students and Scholars*

NATIONAL ANTHEM

Georgia Tech Commencement Ensemble

COMMENCEMENT
ADDRESS

*Dr. Raymond L. Orbach,
Undersecretary for Science,
U.S. Department of Energy*

PRESENTATION OF
DOCTORAL DEGREE
CANDIDATES

*Dr. Charles Liotta,
Vice Provost for Research
and Dean of Graduate Studies*

CONFERRING
OF DEGREES

Dr. Clough

INDUCTION INTO THE
ALUMNI ASSOCIATION

Ms. Janice Wittschiede,
Class of 1978, 1980
Chair, Georgia Tech
Alumni Association

ALMA MATER*

Georgia Tech Commencement Ensemble

FACULTY RECESSIONAL

Georgia Tech Commencement Ensemble

"RAMBLIN' WRECK" *

Graduates and Audience

You are requested to refrain from loud expressions of pleasure for individual graduates. Such expressions detract from the recognition due the next graduate in line. Your cooperation is respectfully requested.

**Please turn to page 37 for song lyrics.*



Spring Semester • Master's and Undergraduate Ceremony
*May 5, 2007 • 9:00 a.m. • Georgia Dome*_____

PROCESSIONAL

*Georgia Tech Commencement Ensemble,
coordinated by the Department of Music*

MASTER OF CEREMONIES

Dr. G. Wayne Clough, President

REFLECTION

*Rev. Anthony Motley,
Lindsay Street Baptist Church*

NATIONAL ANTHEM

Georgia Tech Commencement Ensemble

COMMENCEMENT
ADDRESS

*Mr. Jeffrey R. Immelt,
Chairman and CEO, General Electric*

PRESENTATION OF
MASTER'S DEGREE
CANDIDATES

*Dr. Charles Liotta,
Vice Provost for Research
and Dean of Graduate Studies*

CONFERRING
OF DEGREES

Dr. Clough

INTRODUCTION OF
ACADEMIC DEANS

*Dr. Gary B. Schuster, Provost
and Vice President for Academic Affairs*

PRESENTATION OF
UNDERGRADUATE
DEGREE CANDIDATES

*Dean Richard A. DeMillo
College of Computing
Dean Sue V. Rosser
Ivan Allen College of Liberal Arts
Interim Dean Douglas C. Allen
College of Architecture
Dean Steven R. Salbu
College of Management
Associate Dean Evans M. Harrell II
College of Sciences
Dean Don P. Giddens
College of Engineering*

CONFERRING
OF DEGREES

Dr. Clough

INDUCTION INTO THE
ALUMNI ASSOCIATION

Ms. Janice Wittschiede,
Class of 1978, 1980
Chair, Georgia Tech
Alumni Association

ALMA MATER*

Georgia Tech Commencement Ensemble

FACULTY RECESSIONAL

Georgia Tech Commencement Ensemble

"RAMBLIN' WRECK" *

Graduates and Audience

The listing of master's degree graduates begins on page 13.

Honors Qualifications: Honor designations are for undergraduates at Georgia Tech who have met the minimum residency hours requirement of seventy hours, as well as the minimum GPA.

To achieve honor, the minimum GPA is 3.15.

To achieve high honor, the minimum GPA is 3.35.

To achieve highest honor, the minimum GPA is 3.55.

Changes in honor status may also occur after final printing.

You are requested to refrain from loud expressions of pleasure for individual graduates. Such expressions detract from the recognition due the next graduate in line. Your cooperation is respectfully requested.

**Please turn to page 37 for song lyrics.*



Doctoral Degree Candidates

Doctor of Philosophy Paper Science Engineering

Robert McGuire Lowe Jr.
Thesis: "The Deformation
Behavior of Wet-fiber
Lignocellulosic Fibers"
Advisor: Dr. Arthur J.
Ragauskas

Se-Young Yoon
Thesis: "Bonding Material
Coated Clay for Improving
Paper Properties"
Advisor: Dr. Yulin Deng

Doctor of Philosophy Bioengineering

Mahesh Chandra Dodla
Thesis: "Bioengineered
Scaffolds for Peripheral
Nerve Regeneration"
Advisor: Dr. Ravi Bellamkonda

Ioannis Sechopoulos
Thesis: "Investigation of
Physical Processes in Digital
X-ray Tomosynthesis Imaging
of the Breast"
Advisor: Dr. Andrew Karellas

Christopher Garrison Wilson
Thesis: "Mechanisms
and Functional Implications
of Aggrecan Catabolism
in Cartilage and Meniscal
Fibrocartilage"
Advisor: Dr. Marc E. Levenston

Yan Yang
Thesis: "Image Segmentation
and Shape Analysis of Blood
Vessels with Applications to
Coronary Atherosclerosis"
Advisor: Dr. Don P. Giddens

Doctor of Philosophy Biomedical Engineering

Craig Lewis Duvall
Thesis: "The Role of
Osteopontin in Postnatal
Vascular Growth:
Functional Effects
in Ischemic Limb Collateral
Vessel Formation and Long
Bone Fracture Healing"
Advisor: Dr. William R. Taylor

Jeffrey D. Gross
Thesis: "Noninvasive
Monitoring of Oxygen
Concentrations and Metabolic
Functions in Pancreatic
Substitutes"
Advisor: Dr. Athanassios
Sambanis

Kevin Robert Johnson
Thesis: "In Vivo Coronary Wall
Shear Stress Determination
Using CT, MRI, and
Computational Fluid
Dynamics"
Advisor: Dr. John N. Oshinski

Gloria Jung-A. Kim
Thesis: "Cancer Nanotechnology:
Engineering Multifunctional
Nanostructures for Targeting
Tumor Cells and Vasculatures"
Advisor: Dr. Shuming Nie

Gelsy Torres Oviedo
Thesis: "Robust Muscle
Synergies for Postural Control"
Advisor: Dr. Lena H. Ting

Doctor of Philosophy Computer Science

Manish Jain
Thesis: "End-to-End Available
Bandwidth Estimation and
Its Applications"
Advisor: Dr. Konstantinos
Dovrolis

Kristin Kaster Lamberty
Thesis: "Getting and Keeping
Children Engaged with a
Constructionist Design Tool
for Craft and Math"
Advisor: Dr. Janet L. Kolodner

Mohamed S. Mansour
Thesis: "Behavior Isolation in
Enterprise Systems"
Advisor: Dr. Karsten Schwan

Jochen F. Rick
Thesis: "Personal Home Pages
in Academia: The Medium, Its
Adopters, and Their Practices"
Advisor: Dr. Mark Guzdial

Sridhar Srinivasan
Thesis: "Design and Use of
Managed Overlay Networks"
Advisor: Dr. Ellen Zegura

Robert Brooks VanHorn III
Thesis: "Procedural
Reduction Maps"
Advisor: Dr. Greg Turk

Zhiyuan Zhan
Thesis: "Meeting Data Sharing
Needs of Heterogeneous
Distributed Users"
Advisor: Dr. Mustaque
Ahmad

Doctor of Philosophy Public Policy

Eunjo Oh
Thesis: "Project Organization,
Diverse Knowledge, and
Innovation Systems in the
Korean Game Software
Industry"
Advisor: Dr. Philip P. Shapira

Doctor of Philosophy Architecture

Non Khuncumchoo
Thesis: "Roof Maintenance
Record Analysis Toward
Proactive Maintenance
Policies"
Advisor: Dr. Linda M. Thomas

Lynn Michelle Patterson
Thesis: "Local Economic
Development Agencies'
Support for Construction and
Demolition Recycling"
Advisor: Dr. Nancey G. Leigh

**Doctor of Philosophy
Management**

Beng Wee Goh

Thesis: "Internal Control Failures and Corporate Governance Structures: A Post Sarbanes-Oxley Act (SOX) Analysis"
Advisor: Dr. Bryan K. Church

Erik Daniel Lystad

Thesis: "Simple Newsvendor Heuristics for Inventory Distribution Networks"
Advisor: Dr. Mark E. Ferguson

**Doctor of Philosophy
Earth and Atmospheric Sciences**

Yanping He

Thesis: "Representations of Boundary-layer Cloudiness and Surface-wind Probability Distributions in Subtropical Marine Stratus and Stratocumulus Regions"
Advisor: Dr. Robert Dickinson

Jean-Francois Koprivnjak

Thesis: "Natural Organic Matter: Isolation and Bioavailability"
Advisor: Dr. E. Michael Perdue

**Doctor of Philosophy
Psychology**

Richard Philip Heitz

Thesis: "Neural Correlates of Speed-Accuracy Tradeoff: An Electrophysiological Analysis"
Advisor: Dr. Randall W. Engle

**Doctor of Philosophy
Physics**

James Mitchell Allmond

Thesis: "Studies of Triaxial Rotor and Band Mixing in Nuclei"
Advisor: Dr. John L. Wood

Kevin Michael Fortier

Thesis: "Individually Trapped Atoms for Use Cavity QED Quantum Information Applications"
Advisor: Dr. Michael S. Chapman

Xiaoshan Xu

Thesis: "Magnetism of Free Cobalt Clusters Measured in Molecular Beams"
Advisor: Dr. Walter A. DeHeer

**Doctor of Philosophy
Chemistry**

Yasuko Antoku

Thesis: "Fluorescent Polycytosine-encapsulated Silver Nanoclusters"
Advisor: Dr. Robert M. Dickson

Kristi Lee Burns

Thesis: "An Exploration of Biochemistry Including Biotechnology, Structural Characterization, Drug Design, and Chromatographic Analyses"
Advisor: Dr. Sheldon W. May

Warren William Gerhardt

Thesis: "Towards Supramolecular Multifunctional Architectures"
Advisor: Dr. Marcus Weck

Erik Jonas Jarvholm

Thesis: "Mechanisms and Development of Etch Resistance for Highly Aromatic Monomolecular Etch Masks Towards Molecular Lithography"
Advisor: Dr. Laren M. Tolbert

Jongseong Kim

Thesis: "Stimuli-Responsive Hydrogel Microlenses"
Advisor: Dr. L. Andrew Lyon

Christopher Don Lane

Thesis: "Low-energy, Electron-induced Processes in Molecular Thin Films Condensed on Silicon and Titanium Dioxide Surfaces"
Advisor: Dr. Thomas Orlando

Jonathan Gilbert McGrath

Thesis: "Synthesis and Characterization of Core/Shell Hydrogel Nanoparticles and Their Application to Colloidal Crystal Optical Materials"
Advisor: Dr. L. Andrew Lyon

Nicola Menegazzo

Thesis: "A Novel Approach to Diamond-like Carbon-based Mid-Infrared Attenuated Total Reflectance Spectroelectrochemistry"
Advisor: Dr. Boris Mizaikoff

Jeremy M. Moix

Thesis: "Molecular Dynamics and Stochastic Simulations of Surface Diffusion"
Advisor: Dr. Rigoberto Hernandez

Susnata Samanta

Thesis: "Reversible Carbon Dioxide Gels Synthesis and Characterization of Energetic Ionic Liquids Synthesis and Characterization of Tertrazole Monomers and Polymers Encapsulation of Sodium Azide for Controlled Release"
Advisor: Dr. Charles L. Liotta

Berhane Temelso

Thesis: "Computation of Molecular Properties at the Ab Initio Limit"
Advisor: Dr. C. David Sherrill

Tracey Lyn Thaler

Thesis: "Search for Extraterrestrial Life Using Chiral Molecules: Mandelate Racemase as a Test Case"
Advisor: Dr. Andreas S. Bommarius



Zhen Zhou

Thesis: "Development of Polymer Electrolyte Membranes for Fuel Cells to be Operated at High Temperature and Low Humidity"
Advisor: Dr. C. P. Wong

**Doctor of Philosophy
Materials Science and
Engineering**

Charles Edward Compson

Thesis: "Design, Fabrication, and Characterization of Novel Planar Solid Oxide Fuel Cells"
Advisor: Dr. Meilin Liu

William Arthur Counts

Thesis: "Predicting the Hall-Petch Effect in FCC Metals Using Non-local Crystal Plasticity"
Advisor: Dr. Ashok Saxena

Daniel Edward Eakins

Thesis: "Role of Heterogeneity in the Chemical and Mechanical Shock-Response of Nickel and Aluminum Powder Mixtures"
Advisor: Dr. Naresh N. Thadhani

Davy Paul Gaillot

Thesis: "Optical Properties of Complex Periodic Media Structurally Modified by Atomic Layer Deposition"
Advisor: Dr. Christopher Summers

V. Siva Kumar G. Kelekanjeri

Thesis: "Nondestructive Electrical Characterization of Controlled Waspaloy Microstructures"
Advisor: Dr. Rosario A. Gerhardt

Scott Ian Lieberman

Thesis: "Microstructural Characterization, Visualization, and Simulation of Ti-B Materials"
Advisor: Dr. Arun M. Gokhale

Matthew David Trexler

Thesis: "The Relationship of Microstructure to Fracture and Corrosion Behavior of Directionally Solidified Superalloy"
Advisor: Dr. Thomas H. Sanders

Jeremy Duane Walker

Thesis: "Exploring the Synthesis and Characterization of Nanoenergetic Materials from Sol-Gel Chemistry"
Advisor: Dr. Rina Tannenbaum

**Doctor of Philosophy
Textile Engineering**

Huina Guo

Thesis: "Structure, Processing, and Properties of Polyacrylonitrile/Carbon Nanotube Composite Films"
Advisor: Dr. Satish Kumar

Jing Liu

Thesis: "Carbon Nanotube/Polymer Composites and Novel Micro-and Nanostructured Electro-spun Polymer Materials"
Advisor: Dr. Satish Kumar

Tong Wang

Thesis: "Electro-spun Carbon Nanofibers for Electrochemical Capacitors"
Advisor: Dr. Satish Kumar

**Doctor of Philosophy
Industrial Engineering**

Aphiwat Charnprasitphon

Thesis: "Modeling and Analysis of the Batch Production Scheduling Problem for Perishable Products with Set-up Times"
Advisor: Dr. Faiz A. Al-Khayyal

Brian Haskel Fralix

Thesis: "Stability and Nonstationary Characteristics of Queues"
Advisor: Dr. Richard Serfozo

Burak Karacik

Thesis: "Driver Management for Less-than-Truckload Carriers"
Advisor: Dr. Mathieu W. Savelsbergh

JongPhil Kim

Thesis: "Efficient Confidence Interval Methodologies for the Noncentrality Parameters of Noncentral t-Distributions"
Advisor: Dr. Anthony J. Hayter

Seunghyun Kong

Thesis: "Linear Programming Algorithms Using Least-square Method"
Advisor: Dr. Ellis L. Johnson

Gultekin Kuyzu

Thesis: "Procurement in Truckload Transportation"
Advisor: Dr. Mathieu W. Savelsbergh

Yufeng Yao

Thesis: "Topics in Fractional Airlines"
Advisor: Dr. Ozlem Ergun

**Doctor of Philosophy
Aerospace Engineering**

Nazmiye Acikgoz

Thesis: "Adaptive and Dynamic Meshing Methods for Numerical Simulations"
Advisor: Dr. Carlo L. Bottasso

Patrick Thomas Biltgen

Thesis: "A Methodology for Capability-based Technology Evaluation for System-of-Systems"
Advisor: Dr. Dimitrios N. Mavris

Marcus Domenic Cappelli

Thesis: "The Evolution of Multi-site Small Cracks under Fatigue Loading"
Advisor: Dr. George Kardomateas

Hossam Abd El-Raouf El-Asrag
Thesis: "Large-eddy
Simulation Subgrid Model
for Soot Prediction"
Advisor: Dr. Suresh Menon

Brian Joseph German
Thesis: "A Riemannian
Geometric Mapping
Technique for Identifying
Incompressible Equivalents
to Subsonic Potential Flows"
Advisor: Dr. Dimitrios N.
Mavris

Timothy Salim Kokan
Thesis: "Characterizing
High-energy Density
Propellants for Space
Propulsion Applications"
Advisor: Dr. John R. Olds

Yongchang Li
Thesis: "An Intelligent,
Knowledge-based, Multiple-
criteria, Decision-making
Advisor for Systems Design"
Advisor: Dr. Dimitrios N.
Mavris

Zhijie Lu
Thesis: "Data Management in
an Object-oriented, Distrib-
uted Aircraft Conceptual
Design Environment"
Advisor: Dr. Dimitrios N.
Mavris

Taewoo Nam
Thesis: "A Generalized Sizing
Method for Revolutionary
Concepts under Probabil-
istic Design Constraints"
Advisor: Dr. Dimitrios N.
Mavris

Tudor Ioan Palaghita
Thesis: "Combustor Exhaust
Temperature Nonuniformity
Sensing Using Diode Laser
Absorption"
Advisor: Dr. Jerry M. Seitzman

Hongjun Ran
Thesis: "A Framework for
Determination of the Weak
Pareto Frontier Solutions
under Probabilistic
Constraints"
Advisor: Dr. Dimitrios N.
Mavris

Reuben Ray Rohrschneider
Thesis: "Variable-fidelity
Hypersonic Aeroelastic
Analysis of Thin-film
Ballutes for Aerocapture"
Advisor: Dr. Robert D. Braun

Carlos Michael Roithmayr
Thesis: "Relating Constrained
Motion to Force through
Newton's Second Law"
Advisor: Dr. Dewey H. Hodges

Victoria Katherine Thomas
Thesis: "A Modeling for
Scenario-based Risk
Assessment for Robust
Aerospace Systems"
Advisor: Dr. Dimitrios N.
Mavris

Shannon Sue Twigg
Thesis: "Optimal Path
Planning for Single and
Multiple Aircraft Using a
Reduced Order Formulation"
Advisor: Dr. Eric N. Johnson

David Anthony Young
Thesis: "An Innovative
Methodology for Allocating
Reliability and Cost in a Lunar
Exploration Architecture"
Advisor: Dr. Alan W. Wilhite

Wei Zhao
Thesis: "Feature-based
Hierarchical Knowledge
Engineering for Aircraft
Life-cycle Design Decision
Support"
Advisor: Dr. Dimitrios N.
Mavris

Doctor of Philosophy Chemical Engineering

Raymond William Chafin II
Thesis: "Torlon and Silicate
Mixed-matric Membranes
for Xylene Isomer Separation"
Advisor: Dr. William J. Koros

Ate He
Thesis: "Fabrication of High-
performance Chip-to-
Substrate Input/Output
Interconnections"
Advisor: Dr. Paul A Kohl

Charu Lata Shukla
Thesis: "Computationally
Probing the Cybotactic
Region of Gas-expanded
Liquids"
Advisor: Dr. Charles A. Eckert

Zhengcai Ye
Thesis: "UV Disinfection
between Concentric Cylinders"
Advisor: Dr. Larry J. Forney

Doctor of Philosophy Environmental Engineering

Adile Evren Tugtas
Thesis: "Effect of Nitrate
Reduction on Methanogenic
Fermentation: Process
Interactions and Modeling"
Advisor: Dr. Spyros G.
Pavlostathis

Doctor of Philosophy Civil Engineering

Takao Adachi
Thesis: "Impact of Cascad-
ing Failures on Performance
Assessment of Civil
Infrastructure System"
Advisor: Dr. Bruce R.
Ellingwood



John Timothy Crocker

Thesis: "Organizational Arrangements for the Provision of Cross-boundary Transport Infrastructure and Services"
Advisor: Dr. Michael D. Meyer

Chunxia Feng

Thesis: "Transit Bus Load-based Modal Emission Rate Model Development"
Advisor: Dr. Randall L. Guensler

Monique CaSandra Hite

Thesis: "Evaluation of the Performance of Bridge Steel Pedestals under Low Seismic Loads"
Advisor: Dr. Reginald DesRoches

Kursat Kinali

Thesis: "Seismic Fragility Assessment of Steel Frames in the Central and Eastern United States"
Advisor: Dr. Bruce R. Ellingwood

Jamie Ellen Padgett

Thesis: "Seismic Vulnerability Assessment of Retrofitted Bridges using Probabilistic Methods"
Advisor: Dr. Reginald DesRoches

Doctor of Philosophy Electrical and Computer Engineering

Guillermo Acosta-Marum

Thesis: "Measurement, Modeling, and OFDM Synchronization for the Wideband Mobile-to-Mobile Channel"
Advisor: Dr. Mary Ann Ingram

Pranav Anbalagan

Thesis: "Limitations and Opportunities for Wire Length Prediction in Gigascale Integration"
Advisor: Dr. Jeffrey A. Davis

Ramanan Bairavasubramanian

Thesis: "Development of Microwave/Millimeter-wave Antennas and Passive Components on Multilayer Liquid Crystal Polymer (LCP) Technology"
Advisor: Dr. John Papapolymerou

Zesheng Chen

Thesis: "Modeling and Defending against Internet Worm Attacks"
Advisor: Dr. Chuanyi Ji

Munkang Choi

Thesis: "Modeling of Deterministic Within-Die Variation in Timing Analysis, Leakage Current Analysis, and Delay Fault Diagnosis"
Advisor: Dr. Linda Milor

SeungKeun Choi

Thesis: "A Micromachined Magnetic Field Sensor for Low-power Electronic Compass Applications"
Advisor: Dr. Mark G. Allen

Cleon Edwin Davis

Thesis: "Modeling, Optimization, Monitoring, and Control of Polymer Dielectric Curing by Variable Frequency Microwave Processing"
Advisor: Dr. Gary S. May

Gerald Reuben DeJean II

Thesis: "Design, Modeling, and Optimization of Compact Broadband and Multiband 3D System-on-Package (SOP) Antenna Architectures for Wireless Communications and Millimeter-wave Applications"
Advisor: Dr. Emmanouil M. Tentzeris

Babak Firoozbakhsh

Thesis: "Studies in Wireless Home Networking Including Coexistence of UWB and IEEE 802.11a Systems"
Advisor: Dr. Nikil S. Jayant

Shalabh Goyal

Thesis: "Efficient Testing of High-performance Data Converters Using Low-cost Test Instrumentation"
Advisor: Dr. Abhijit Chatterjee

Dong-Hoon Han

Thesis: "Built-in Self Test and Calibration of RF Systems for Parametric Failures"
Advisor: Dr. Abhijit Chatterjee

William Cory Hawkins

Thesis: "Evaluation of the Data Vortex Photonic All-optical Path Interconnection Network for Next-generation Supercomputers"
Advisor: Dr. Donald S. Wills

Woonhaing Hur

Thesis: "Incremental Redundancy Low-density Parity-check Codes for Hybrid FEC/ARQ Schemes"
Advisor: Dr. Steven W. McLaughlin

Afroz M. Imam

Thesis: "Condition Monitoring of Electrolytic Capacitors in Power Electronics Applications"
Advisor: Dr. Ronald G. Harley

Hongkyu Kim

Thesis: "Architectural Enhancements for Efficient Operand Transport in Multimedia Systems"
Advisor: Dr. Donald S. Wills

Hyung-Joon Kim

Thesis: "Low-complexity Mode Selection for Rate-Distortion Optimal Video Coding"
Advisor: Dr. Yucel Altunbasak

Nickolas Dana Kingsley

Thesis: "Development of Miniature, Multilayer, Integrated, Reconfigurable RF MEMS Communication Module on Liquid Crystal Polymer (LCP) Substrate"
Advisor: Dr. John Papapolymerou

Ramkumar Krithivasan

Thesis: "Design of High-speed SiGe HBT BiCMOS Circuits for Extreme Environment Applications"
Advisor: Dr. John D. Cressler

Dalong Li

Thesis: "Restoration of Atmospheric Turbulence-degraded Video Using Kurtosis Minimization and Motion Compensation"
Advisor: Dr. Russell M. Mersereau

Xiaohuan Li

Thesis: "Multiple Global Affine Motion Models Used in Video Coding"
Advisor: Dr. Joel R. Jackson

Guanglei Liu

Thesis: "Management and Control of Scalable and Resilient Next-generation Optical Networks"
Advisor: Dr. Chuanyi Ji

Yuan Lu

Thesis: "Design of High-speed SiGe HBT Circuits for Wideband Transceivers"
Advisor: Dr. John D. Cressler

Tejas R. Mehta

Thesis: "Optimal, Multimodal Control with Applications in Robotics"
Advisor: Dr. Magnus Egerstedt

Pelham David Norville

Thesis: "Time-reversal Techniques in Seismic Detection of Buried Objects"
Advisor: Dr. Waymond R. Scott

Michael Steven Reid

Thesis: "The Role of Heterogeneity in Rhythmic Networks of Neurons"
Advisor: Dr. Stephen P. DeWeerth

Brian Michael Rivera

Thesis: "Using Terrain and Location Information to Improve Routing in Ad hoc Networks"
Advisor: Dr. Henry W. L. Owen

Robert Allen Robinson Jr.

Thesis: "An Electroacoustic Analysis of Transmission-line Loudspeakers"
Advisor: Dr. William M. Leach

Laura Elizabeth Rowe

Thesis: "An Active Micro-scaffold System with Fluid Delivery and Stimulation/Recording Functionalities for Culturing 3-D Neuronal Networks"
Advisor: Dr. Albert B. Frazier

Sunil Ravidra Shukla

Thesis: "Improving High-quality Concatenative Text-to-Speech Synthesis Using the Circular Linear Prediction Model"
Advisor: Dr. Thomas P. Barnwell

Charles Robert Simpson Jr.

Thesis: "Analysis of Passive End-to-End Network Performance Measurements"
Advisor: Dr. George F. Riley

Otis Lkuwamy Smart

Thesis: "Evolutionary Algorithms and Frequent Item-set Mining for Analyzing Epileptic Oscillations"
Advisor: Dr. George Vachtsevanos

Dheeraj Reddy Subbareddy

Thesis: "Correct, Efficient, and Realistic Wireless Network Simulations"
Advisor: Dr. George F. Riley

Elmoustapha Ould Ahmed Vall

Thesis: "Algorithms for Self-organizing Wireless Sensor Networks"
Advisor: Dr. George F. Riley

Rajbabu Velmurugan

Thesis: "Implementation Strategies for Particle Filter-based Target Tracking"
Advisor: Dr. James H. McClellan

Long Wu

Thesis: "Separating Load Torque Oscillation and Rotor Faults in Stator Current Based-Induction Motor Condition Monitoring"
Advisor: Dr. Thomas G. Habetler

Fang Yang

Thesis: "A Comprehensive Approach for Bulk Power System Reliability Assessment"
Advisor: Dr. A. P. Meliopoulos

Yong-Kee Yeo

Thesis: "Dynamically Reconfigurable Optical Buffer and Multicast-enabled Switch Fabric for Optical Packet Switching"
Advisor: Dr. Gee-Kung Chang

Chendong Zhu

Thesis: "The Mixed-mode Reliability Stress of Silicon-Germanium Heterojunction Bipolar Transistors"
Advisor: Dr. John D. Cressler

Doctor of Philosophy Nuclear and Radiological Engineering

Marat Radikovich Seidaliev

Thesis: "Development and Test of a GEM-based TEPC for Neutron Protection Dosimetry"
Advisor: Dr. C. K. Wang



**Doctor of Philosophy
Mechanical Engineering**

Ulf Christian Andresen

Thesis: "Supercritical Gas Cooling and Near-critical Pressure Condensation of Refrigerant Blends in Microchannels"
Advisor: Dr. Srinivas Garimella

Michael Richard Haberman

Thesis: "Design of High-loss, Viscoelastic Composites through Micromechanical Modeling and Decision-based Material by Design"
Advisor: Dr. Yves H. Berthelot

Jungchul Lee

Thesis: "Fabrication, Characterization, and Application of Multifunctional Microcantilever Heaters"
Advisor: Dr. William P. King

Qiang Li

Thesis: "Effects of Adaptive Discretization on Numerical Computation Using Meshless Method with Live-object Handling Applications"
Advisor: Dr. Kok-Meng Lee

Rajesh Luharuka

Thesis: "An Electromagnetically Actuated Rotary Gate Microvalve with Bistability"
Advisor: Dr. Peter J. Hesketh

Brent Allen Nelson

Thesis: "Nanoscale Thermal Processing Using a Heated Atomic Force Microscope Tip"
Advisor: Dr. William P. King

Ashley Wells Palmer

Thesis: "Investigations of the Composition-Function Relationships in Normal, Degraded, and Engineered Articular Cartilage Using EPIC-Microcomputed Tomography"
Advisor: Dr. Marc E. Levenston

Keunhan Park

Thesis: "Thermal Characterization of Heated Microcantilevers and a Study on Near-field Radiation"
Advisor: Dr. Zhuomin Zhang

Min Pei

Thesis: "Effects of Lanthanum Doping on the Microstructure and Mechanical Behavior of an SnAg Alloy"
Advisor: Dr. Jianmin Qu

Andrew E. Perkins

Thesis: "Investigation and Prediction of Solder Joint Reliability for Ceramic Area Array Packages under Thermal Cycling, Power Cycling, and Vibration Environments"
Advisor: Dr. Suresh K. Sitaraman

Harry Dwight Rowland

Thesis: "Thermomechanical Manufacturing of Polymer Microstructures and Nanostructures"
Advisor: Dr. William P. King

Thomas Paul Smith

Thesis: "Hardware Simulation of Fuel Cell/Gas Turbine Hybrids"
Advisor: Dr. William J. Wepfer

Brian Henry Wayman

Thesis: "Arterial Response to Local Mechanical Variables in Organ Culture: The Effects of Circumferential and Shear Stress"
Advisor: Dr. Raymond P. Vito

Jie Yang

Thesis: "Spatial Coherence in a Shallow Water Waveguide"
Advisor: Dr. Peter Rogers

Sungshik Yim

Thesis: "A Retrieval Method (DFM Framework) for Automated Retrieval of Design for Additive Manufacturing Problems"
Advisor: Dr. David W. Rosen

Master's Degree Candidates

Master of Science

Douglas Scott Aaron
Environmental Engineering

Timothy Edward Abrahamson
Economics

Rakesh Achanta
Electrical and Computer
Engineering

Nawaf I. Almoosa
Electrical and Computer
Engineering

Jaidev Sanjay Amrite
Electrical and Computer
Engineering

Krishna Bharath
Electrical and Computer
Engineering

Guillermo Gallego Bonet
Electrical and Computer
Engineering

Adam Thomas Boyd
Mechanical Engineering

Benjamin David Brady
Aerospace Engineering

Nishank Niranjana Chandawala
Electrical and Computer
Engineering

Alia Chaturapruek
Environmental Engineering

Don Michael Clark
Aerospace Engineering

Stephen James Conschaffer
Architecture

Sean Patrick Dalton
Civil Engineering

Jeffery Li Ding
Aerospace Engineering

Hiral Kiran Doshi
Electrical and Computer
Engineering

Scott Crawford Driscoll
Architecture

Victor Duarte
Management

Benoit Favre
Civil Engineering

Anup Avinash Gadgil
Aerospace Engineering

Gence Genc
Civil Engineering

Erin Nicole Gibbons
Civil Engineering

Upendra Arvind Godse
Electrical and Computer
Engineering

Abhilash Goyal
Electrical and Computer
Engineering

James Richard Henson Jr.
Civil Engineering

Christopher Michael Herndon
Architecture

Brian Robert Hirsh
Aerospace Engineering

Bharat Jayakumar
Electrical and Computer
Engineering

Tae-Kwang Jeon
Electrical and Computer
Engineering

Benjamin Philipp Jonen
Economics

Aditya Prakash Joshi
Electrical and Computer
Engineering

Sandeep Kakumanu
Electrical and Computer
Engineering

Bryan Mills Karpowicz
Earth and Atmospheric Sciences

Smitha Kartik
Economics

Neha Sadashiv Kelkar
Electrical and Computer
Engineering

Matthew Edward Kontz
Electrical and Computer
Engineering

Sudhindra Aithal Kota
Electrical and Computer
Engineering

Jaesup Lee
Civil Engineering

Lei Lei
Economics

Sermpun Lhamlhak
Chemistry

Clarissa Sucupira Andrade Lima
Architecture

Shenshen Lin
Industrial Engineering

Mathew Joseph Livianu
Electrical and Computer
Engineering

James Gregory Malcolm
Electrical and Computer
Engineering

Jeffrey Loren Marx
Aerospace Engineering

Tahiru M. J. Mawia
Civil Engineering

Robert Edward Moore Jr.
Architecture

Jennifer Indech Nelson
Civil Engineering

Anh-Lan A. Nguyen
Management

Benjamin Passenberg
Electrical and Computer
Engineering

Jorge Luis Quevedo De Los Santos
Electrical and Computer
Engineering

Kyle M. Rahrig
Aerospace Engineering

Gary Patrick Schwaiger
Environmental Engineering

Theo Sesostris
Management

Kinjal Girish Shah
Environmental Engineering

Rui Sun
Electrical and Computer
Engineering



Nitya Sundareswaran
Electrical and Computer
Engineering

Abdemanaf S. Tambawala
Electrical and Computer
Engineering

Roberto Antonio Uzcategui
Electrical and Computer
Engineering

Sohaib Waheed
Electrical and Computer
Engineering

Bryan James Walrath
Architecture

Chao Wang
Electrical and Computer
Engineering

Latrice Danette Watkins
Architecture

Carolina Weber
Electrical and Computer
Engineering

Dong Hyuk Woo
Electrical and Computer
Engineering

Jiahui Yuan
Electrical and Computer
Engineering

Aristidis Zachas
Electrical and Computer
Engineering

Mengni Zhang
Earth and Atmospheric Sciences

Zhijun Zhao
Earth and Atmospheric Sciences

**Master of Science in
Quantitative and Computational
Finance**

Richard A. Davis
Matthias Fleckenstein
Vivek Kumar Gupta
Kevin George Klinedinst
Rui Li
Xuemei Li
Jakkapan Luangnarumitchai

**Master of Business
Administration—Global Business**
Cesar Augusto Rojas E.
Angela Elizabeth Scott

**Master of Science in Human-
Computer Interaction**

Jonathan Ryan Austin
Nils Theodore Beck
Celeste Alena Buckhalter
Callie Boothe Carroll
Chesshire Lee Gaylor
Shivam Goyal
Daniel Michael Greenblatt
Sarah Elise Greer
Lan Guo
Gaurishankar Krishnan
Adeline Y. Lee
Travis James Little
Jahmeilah Amir Richardson
Nithya Sambasivan
Daniel Lawrence Shaw
Judith Maria Siegel
Chih-Sung Wu

**Master of Science in
Bioengineering**

Laura-Lee Amelia
Catherine Farrell
Michael Scott Ivey
Priyanka Karan
Komal Rambani
Weiwei Yin

Master of Science in Statistics

Yuyuan Han
Huijing Jiang
Rui Li
Melike Meterellioz
Cheng Yi Ong
Jie Zhu

**Master of Science in
Information Security**

Italo Ivan Dacosta
Tracey Sara Diamond
Stacy Soo Yeon Kim
Christopher Scott Lewis
Frank Beom-Shik Park
Kandha Kandaswamy
Sankarapandian
Jennifer C. Stoll

**Master of Science in
Computer Science**

Jessica Eulonda Abraham
Summer Lea Adams
Giovanni Albani
David Denys Apery
Diane Anais Artore
Keshav Sethi Attrey
Benjamin Myer Axelrod
Ji Han Bae
Tushar Virender Bansal
Asmita Avinash Barve
Sebastien Beaudet
Thibault Bizollon
Garrett Franklin Boyer
Peter Alan Calvert
Craig Chapin Cambias
Stephen J. Campos
Zain Moziz Chandan
Ramesh Chandran
Saurabh Prasann Chobe
Neil Brandon Cutshaw
Myungcheol Doo
Mario Y. El Khoury
Izzet Can Envarli
Julien Nicolas Francoi Fournel
Nikhil Navin Gandhi
Sanjeev Gourishankar
Topraj Gurung
Emilie Haynes
Guillaume-Jean Herbiet
Clinton Daniel Hidingier
Lorenzo Ibarria
Arya John Irani
Ankita Jain
Manas Shrirang Khadilkar
Kihwan Kim
Victor Kovalev
Panchapagesan Krishnamurthy
Arvind Kumar
Jin Han Lee
Sangmin Lee
Sheena LaSha Lewis
Han Long Lu
Michel Mansour
Eric Beowulf Martinson
Ellen Joy Matthews
Christian Manfred Menkens
Adam Shaun Morber
Gregory Jean-Michel Nou
Eniola O. Okeowo
Gopal Pai
Jason Dilip Parekh
Nirmal J. Patel
Pritesh Ishvar Patel
Joseph Varun Patrao
Barath Christopher Petit
Nalini Polavarapu

Rachel Claire Post
 Stefan Puchner
 Alexander James Rudnick
 Ruchee Hasmukh Sangani
 Puravkumar Bharatkumar Saraiya
 Alkesh Navinchandra Shah
 Manu Sharma
 Kanupriya Singhal
 Sandhya Sivaramakrishnan
 Ranjith Subramanian
 Olivier Tayeg
 Nirmal Amritlal Thakker
 Aditi Milind Thanekar
 Aajav Jyotindra Neeta Trivedi
 Suhaib Ur Rehman
 Guru Prasad Venkataramani
 McPherson LeMoyne White
 Brandon Malott Whitley
 Qiushuang Zhang

**Master of Science in
 International Affairs**

Michael Printy Arthur
 Phillip Guthrie Autry
 Rachael Marie Brennaman
 Tarun Chaudhary
 Hassan J. Chaudhri
 Kevin Michael Davis
 Britta Nora Froelicher
 Xintong Geng
 Rashidah Chanel Hardwick
 Joseph Parker Huntemann
 Sohmer Raphaela Mascia
 Erica Shante Pigott
 Violetta Ravagnoli
 Lisa Mathieu Warshaw

**Master of Science in
 Digital Media**

Paul Spencer Amsbary
 Dakota Reese Brown
 William Charles Hankinson
 Manu Kapoor
 Angelique Julie Lausier
 Aimee Christin Rydarowski
 Sergio Ignacio Goldenberg Serrano

**Master of Science in History
 and Sociology of Technology
 and Science**

Susan Star Aaron
 Leslie Steven Leighton
 Alexandra Lee Pajak

**Master of Science in
 Public Policy**

Avonne S. Bell
 Pablo Catalan
 Sharon Ann Chandler
 Lokendra Pratap Singh Chauhan
 Chinawut Chinaprayoon
 Heather McCausland Honerkamp
 Erin Elisabeth Lamos
 Nooshin Mahalia
 Jason Anthony Randall
 Olga Halina Sosinska
 Edward Charles Weber

Master of Industrial Design

Edo Leon Eussen
 Alejandra Garcia-Castro
 Doria Joan Kung

**Master of Science in
 Building Construction and
 Facility Management**

James Alan Boatright
 William Scott Henwood Jr.
 David Harold Horton II
 Gloria Dahee Kim
 John Allen Kitchen
 Lewis Robert McClain II
 Ruth Alcira Milian
 Robert Charles O'Connor
 Victor Louis Roth
 Bryan James Walrath
 Daniel C. Yeh

Master of Architecture

Shauna Koepke Achey
 Jason Brandon Andersen
 Kenneth Allan Babinchak
 Robert Breckenridge Baird
 Franklin David Brewer
 Robert Clay Cameron
 Brad Jamison Colley
 Cynthia Lorraine Combee
 Phuc Hong Dang
 Anthony Jason Dooley
 Andrew Gregory Dybalski
 Constanze Kyoko Eckstein
 James Charles Elder III
 Stephen A. Fintak
 Janae Maegan Futrell
 Caren Miki Hirai
 Nichole Ginger Holt
 Joseph R. Jamgochian
 Erin Elizabeth Lindley
 C. Jason Mabry

Erin Nicole Moseley
 James Garner O'Kelley
 Lorraine Grace Go Ong
 Bryan Scott Peter
 Wendi Blake Rahm
 Graceline C. Regala
 Falynn Renee Schmidt
 Chad Mitchell Stacy
 Jihan Patrice Stanford
 Andres David Stell
 Nathan Charles Stone
 Travis Lee Thatcher
 Amine Mohammed Touati

**Master of City and
 Regional Planning**

Kristofor E. Anderson
 J. J. Cerere
 Jason Edward Chernock
 Susan Leah Cohn
 Marc R. Dixon
 Andrea Nicole Foard
 William Christian Gable
 Ben Woodrow Giles
 Miguel Granier
 Jennifer Avis Harper
 Kentwin Maurice Hayes
 James Richard Henson Jr.
 Xandon Xaviree Keating
 Hae Seon Lee
 Steven M. Lewandowski
 Rick Liu
 Nathan Mai-Lombardo
 Jennifer Indech Nelson
 Jeffrey Scott Owen
 Jason S. Perlmutter
 David Andrew Pierce
 Derek Robert Scott
 Ryan L. Sherriff
 Samantha Rosemary Singer
 Ashley Brittain Skinner
 Jonathan E. Tuley
 Matthew J. Vivian

**Master of Science in
 Management of Technology**

Darrell Timothy Black
 Bryan Morel Grant IV
 Babatunde Olusegun Ogundipe



**Master of Business
Administration**

Andrew Jordan Ackel
Kokil Agarwal
Megan Yvonne Baker
Ludvic Baquie
Meredith Marie Baum
Bimal B. Bivek
Ernesto Luis Bombalier
Scott Edward Bouchette
Osman Burak Burc
Blakemore Douglas Campbell
Kenneth Walter Chastain III
Eric Cho
Anjali Vinod Chudgar
Kathryn Cranston-Morrison
Devang Dhaka
Ramon E. Cortes Dominguez
Aaron Dube
Anurag Dugar
Ashley Lange Edmonson
Akintunde Ayodeji Ehindero
Adam Michael Feldman
Matthias Fleckenstein
Shannon Michelle Foltz
Crystal Marie Gilpin
Mark Allen Gram
David Mark Grayson
Esma Burcu Zaimoglu Guldiken
James Michael Hambrick Jr.
Alexander Montgomery Heublein
J. Brad Hooker
James Christopher Jayko
Chris H. Jones
Richard Jaudon Jucks
Ismail Hakki Kasimoglu
Patrick E. Kelsey
Fawad A. Khan
Douglas Dwight King
Shruti Lamba
Steven J. Logan
Stefan T. Lupo
David Satterfield Madden
Jeffrey Loren Marx
Katie Scott McGraw
Michelle Elizabeth McGuire
Eli McKenzie III
Leila Rose Meghji
Cristina Casanova Might
Michael Scott Mulford
Pelham David Norville
Eniola O. Okeowo
Cristian E. Orihuela
George Musungu Oruoch
Neha Rastogi
Evan M. Ruff
Benay Sager
Nicholas Edward Sarkisian
William J. Sommer

Ryan Wayne Swanson
Ping Yee Tan
Elizabeth Cook Thomson
Jameson Ryan Triplett
David A. Williamson
Shidong Zheng

**Master of Science in Prosthetics
and Orthotics**

Andrew Robert Allison
Walter Lee Childers
Andrew Michael Curran
Tiffany Danielle Forest
Catherine Leigh Pipkin
Ronald Alan Roiz
Lara Lukins Schrock
Yi-Ying Tsai
Sean Richard Zeller

**Master of Science in Earth and
Atmospheric Sciences**

Vincent Emmanuel Combes
Jay Andrew Jackson
Stephen Adam Rieck

Master of Science in Psychology

Christopher Marcus Crew
Elsa Eiriksdottir
Matthew R. Hilimire
Min Young Kim
Keith Leonard Main
Erin Taylore McDole
Brian McMahon
Michael Adam Nees

Master of Science in Biology

Johnathon C. Chvatal
Jan Peter Drexel

**Master of Science in
Bioinformatics**

Burcu Bakir
Cristina Prolla da Silva
Adam Charles Leon
Jason Joseph Pedone
Ishwardeep Singh

**Master of Science in
Mathematics**

Chad Martin Conley
Sachin Jain
Robert Andrew Pruvenok
Peterkin Fritz Quagraine
Farbod Shokrieh

Ulfar Freyr Stefansson
Daniel Keith Tiefa
Nguyen Le Truong

Master of Science in Physics

Nathaniel Joseph Brown
Huaming Li
Erin Elizabeth McGrath
Babak Momeni
Abhinav Singh
Gabriel Villalobos
Debin Wang
Hao Wang

Master of Science in Chemistry

Amidat Omobolanle Acklin
Bradley Edward Carson
Hilda Sujeiri Castillo
Michael Douglas Chambers
Benison Forchi Forfeke
Jeremy Charles Granger
Mary Nell Higley
Richard Stockton Jones
Alex P. Jonke
Daniel Joseph Menasha
Kristin Breanne Wittich
Guseul Yun

**Master of Science in
International Logistics**

Mark L. Carvalho
Stuart P. Sandlin
Kelly Adcox Slate

**Master of Science in
Medical Physics**

Gregory Thomas Grennan
Edward Trip Hornsmith
Robert Steven Kutchi
Joseph James Mahoney
Scott Alexander Sample

**Master of Science in
Health Physics**

Candi L. Schaub

**Master of Science in
Health Systems**

Alexis K. G. Wismer

**Master of Science in
Nuclear Engineering**

Charles Becht V
Ryan Daniel Bechtel
Jose Ignacio Marquez Damian
Jeanne Ann Dion
Steven Paul Hamilton
Lander Ibarra

**Master of Science in
Operations Research**

Kathryn Summer Clark
Joo-Young Kim
Jakkapan Luangnarumitchai
Jon David Petersen
Monika Katarzyna Szymczak
Nguyen Le Truong
Emrah Uyar
Mingzhan Wu

**Master of Science in
Industrial Engineering**

Paul Etienne Berman
Paul William Dalton
Tobias Felix Gefaeller
Ahmed Hentati
Kusha Kamarei
Tarun Keswani
Sungil Kim
Daniel Krampe
Marc Francis Maier
Philipp Meidl
Hashai Vijay Papneja
Joshua Wasawit Pas
Abhijeet H. Patel
Claas Felix Pinkenburg
Mehmet Gokhan Samur
Jill A. Treanor
Jie Zhu

**Master of Science in
Aerospace Engineering**

Efstathios Bakolas
Elise Karen Beisecker
David Julian Benavente-Sanchez
John Allen Christian III
Nicholas Juan Coronado
Gregory Florent Dubos
Kathryn Elizabeth Goben
Peter Bartholemew Hart
Tanner Joe Holloway
Michael Christopher Hoye
Erik Marshall Kabo
Mathieu Davouth Leng
Charles Eric Lynch
Jonathan Rodgers Murphy
Mehul Pravin Patel

Jeffrey Thomas Roig Jr.
Alexandros Salazar
Alessandro Spadoni
Christopher Lee Tanner
Christianna Elizabeth Taylor
Jeff Alexander Varos
Grant Wells

**Master of Science in Materials
Science and Engineering**

John Wesley Bennett
James A. Corno Jr.
Eric Michael Ernst
Chris H. Rockett
Kevin Dale Rodkey
Kathleen G. Silver

**Master of Science in
Chemical Engineering**

George Pierre Dumunt Jr.
William H. Hartley
Joseph Lloyd Konecny
Andrew Scott Mudd
Laurent Nassif
Abigail FriederikeJoyce Pynn
James Christian Samp
Graham Thorsteinson
Rebecca Maria Ugalde

**Master of Science in
Environmental Engineering**

Lauren Elizabeth Handell
Diane Jean Ivy
Sinem Gokgoz Kilic
Scott David Levesque
Miranda Jeanne Lowe
Pranay Prakash Mane
Yu Miyashita
Nivedhya Srambickal Ramaswamy
Jeongwoo Yang

**Master of Science in
Civil Engineering**

William Christopher Boehle
Timothy George Brandstetter
Christian Vaughn Braneon
Anna Buseman-Williams
Mustafa Kemal Cambazoglu
Nicholas Joseph Crispell
Nicolas David Gershanik
Jonathan Eric Green
Endam Gungor
Ana Maria Hagan
William Pace Haynes Jr.
Peter Michael Jenior
Patrick James Kelly

Soonchul Kwon
Ryan Andres Lezcano
Navid Nekouee
Cagri Ozgur
Jan Michael Scott Jr.
Nalan Senol
B. J. St. John
Brett Daniel Vogt

**Master of Science in Electrical
and Computer Engineering**

Alper Akanser
Mohamed-Amine Alami-Fettouhi
Christopher Brian Alberti
Nevin Altunyurt
Arnaud Lucres Amadjikpe
Michel Apostolou
Erman Ayday
Jean-Christophe Yves Vincent Berge
Leif Erik Berntsson
Florence Bonnafe
Amol Anil Borkar
Renaud Julian Boutet
Philip Michael Brady
Nicholas George Miles Brown
Albert Joon-Soo Byun
Yann Sebastien Chatelain
Eric Cho
Dwifuzi Coe
Daniel Adam Cook
Tegan William Counts
Maxime Crepin
Anne Czwartkowskyj
Quoc-Dan Dang
Christopher Day
Thomas Deslandres
Enguerran Daniel Godefroy Despis
Thong Minh Doan
Hadrien Jean Andre Dollfus
Jerome Duhamel
Akintunde Ehindero
Rim El Moutawakil El Alami
Kevin Daon Fairbanks
Yu Feng
Jeremy Damien Froger
Sthithaprajna Garapaty
Jean-Philippe Gerald
Seema Rani Ghosh
Rachel Tawanna Harris
Haude Hermand
Paul Hominal
Kyle Evan Howells
Christophe Huguet
Vineet Jain
Justin V. John
Ashley Nzinga Johnson
Neil C. Joshi
Sujay Suresh Joshi
Seungwoo Jung

Balaji Kamakoti
 Gedeon T. Kamga
 David Alan Keeling
 Eric Pascal Djakam Kengni
 Chong Kang Kim
 Young Geul Kim
 Calvin Richard King Jr.
 Thiebaut Klein
 Jerome Fabrice Lafon
 Cody William Lamb
 Davis Lao
 Abraham Moris Lapscher
 Louis Launoy
 Vincent Guillaume Le Pape
 Matthew Richard LeBlanc
 You-Yu Lee
 Sylvain Pierre Thibault Lemerrier
 Dean Leon Lewis
 Xiao Liu
 Christopher Phan Luu
 Elizabeth Anna Whitaker Lynch
 Stephane Benoit Maraficaud
 Gregory Jean Mathador
 Brian McCarvey
 Vichai Meemongkolkiat
 Renaud Menard
 Omar Mustafa
 Ibrahima Jacques Ndiour
 Vu Duy Nguyen
 Christopher Dean Olinde
 Ananta Raj Pandey
 Noman A. Paracha
 Nihar S. Patel
 Ibrahim Ethem Pekkucuksen
 Ryan Jesse Pirkel
 Anirudh Prasad
 Piotr Wacław Prokop
 Joel Thomas Prothro
 Farid Rahba
 Jacob M. Rasco
 Amanda Louise Richards
 Sundeep Roy
 Olivier Remi Marie Salomon
 Adam Michael Schlesinger
 Adrian Ricky Jude Sequeira
 Shyam S. Seshadri
 Larry Don Smith Jr.
 Kartik Sivaram Sundareswaran
 George Wallace Tennille III
 Christos Theodoridis
 Elise Thoma
 Ethan Brantley Trewhitt
 Michael Rene Guy Vachette
 Jean-Philippe Bernard Villareal
 Justin Patrick Vogt
 Dane Patrick Wagner
 Matthew Corbin Wiggins
 Cody Blair Wortham
 William Weijia Yang
 Angelique Su Man Yeung

**Master of Science in
 Mechanical Engineering**
 Theodore Earl Anderson
 Paul T. Avezzie
 Charles Bayne Aycok
 David Lawrence Bark Jr.
 Robert Wetherill Bialobrzski
 Ludovic Nicolas Burton
 Danny Lee Carpenter
 Toufik Yacine Chalfi
 Mati C. Chessin
 Andrew Edward Clarke
 William Michael Clearman
 Charles Lee Coggins
 David Michael Cook
 Patrick Brian Cox
 Michael Apostoli Damianakis
 Quentin Rene Daniel
 David John Dewees
 Carter Reynolds Dietz
 Zachary Welch Douglas
 Ritchie D. Dow
 Stephanie Pohl Eddy
 Marcus Todd Eliason
 Daniel Jason Erno
 Ali Essadaoui
 James Davis Garth
 Fabian Thomas Goericke
 Joshua David Gsell
 Rani Harb
 Timothy Yuan-Ting Hsu
 Gautam Rajnikant Jadhav
 Mohammad Kamran Jeelani
 Byron Edward Johns
 Gilles Joubert
 Colin F. Kelemen
 Rye James Kennedy
 Kathryn Rae Kiernan
 Stephen Andrew Latham
 Andrew Cook Layton
 Patrick Alain Louka
 Jun Frank Ma
 Jennifer L. Martindale
 Aaron John Mashue
 Ryan Mitchell Melsert
 Andrew William Menges
 Douglas John Merrell
 Azeem Meruani
 Alexander Page Michaud
 Christopher Michael Morency
 Hannah Wynn Muchnick
 Brian Andrew Nealis
 Thang Van Nguyen
 Jean-Marc Pages
 Raymond Pang
 Bradley Alan Parti
 Nicholas Daniel Paulish
 Benjamin Plouvier
 Alexey Podust
 Duncan Spalding Pratt

David Griffin Reid
 Jessica Lynn Remmert
 Edison Alfonso Rincon
 Nicolas Roussel
 Kevin John Lewis Roy
 Adam David Seiple
 Anandraj Sengupta
 Robert Paul Stachow Jr.
 Keith David Suda-Cederquist
 Sungmin Suh
 Joseph D. Sweeney
 Amos Ching Tam
 Stephanie Campbell Thompson
 Nicolas Thouault
 Juan Pablo Toledo
 Byron E. Van Gorp
 Aish Varadhan
 Rohit Vardhan
 Walter Stanley Walczak
 Brett James Warta
 Bo-Siou Wei
 Renee Solomon Wenstrup
 Adam Niehaus Whelan
 Douglas Adam Whitcher
 William Benjamin White
 Steven William Wilbur
 Adam Mark Will
 Freddie Thomas Wilson Jr.
 Jack Raul Zausner

Bachelor's Degree Recipients

College of Computing

Bachelor of Science in Computer Science

Highest Honor

Benjamin Judson Bachman
Hai Thai Dang
Mark Anthony Jose DeJesus
Daniel Theodore Engel
Joseph Howard Irwin
Daniel Ryan King
Kelly L. Lehman
Lee Thomas Martie
Justin Michael Mitchell
Bradford Elliott Robertson
Nathan Robert Rose
Laura Elizabeth Rouse
David Leo Schachter
Thomas Albert Shanks III
Manabu Shimobe
Colin David Smith
Shreyas Srinivas
Sarah Elizabeth Tursell
Kevin Christopher Webb
Brian Charles Williams
Samuel John Young

High Honor

Stephen C. Ake
Brantly Mercer Callaway
Benjamin J. Chambers
Trung Quy Lai
Gary Christopher Mann
John Steven Nickerson
Ishita Patel
Brandyn J. Roemer
Eric Alan Scukanec

Honor

Jose Manuel Caban
Lee Anthony Crippen
Sangwoo Kim
Chansereyratana Lim
Puyan Lotfi
Anita Lugonja
John David Shirley II
Matthew Ryan Ward

Mostafa Medhat Alattar
Asim Ali
Jon E. Beckham
Michael Timothy Bleigh
Shakti Chauhan
Jeremy A. Ciccone
Mina Doroudi
Ilya Dovidovskii
Jeremy L. Duwall

David Harrison Eakes
Jimmy Mauricio Espana
Michael David Federici
David Wise Figlar
Douglas Keith Fraser
R. Steven French
William Joseph Helfrich Jr.
Brian James Henke
Evan Price Hodgson
Joshua Allen Holt
Todd Brackett Hudgens
Muhammad Ahsan Hussain
Jonathan Alan Kean
Yevgeny Alexandrovich Keyser
Christopher Warren Kramer
Oh Kil Kwon
Jon-David Langeland
Daniel Michael LaRoche
Joung-Goo Lee
Matthew Lee
Kenneth Iain MacLeish
Matthew Robert Manzel
Jonathan Thomas McAbee-Reher
Kerry Scott McLeod
Jereme Paul Mills
Shilpa Rao Nemani
Tyler Randolph Overman
Shovaen Bhasker Patel
Nicholas Charles Ralabate
Nirav Sailesh Shah
Seema Sharan
Kyle Lee Spafford
Kaori Takeuchi
Peter Michael Vulgaris
Matthew Kurt Weber
Jeffrey Kent Wei
James William Wert III
Christopher Alan Whalen
Matthew Charles Ellis Wood

Bachelor of Science in Computer Science Cooperative Plan

Highest Honor

Sebastian Becerra-Licha
Troy David Brant
Denis Luis Bueno
Joanna Marie Leidy
David Edwards Mann
Christopher Ryan Ronderos
Omar Mostafa Zakaria

High Honor

Brian Joseph Davidson
Asif Heerji
Matthew David Kurjanowicz
William Stuart Lee
Matthew Isaac Worley

Honor

Kane Duran Bonnette

Jacob M. Bolton
Phuc Hong Dao
Mohammad Saiful Islam
Michael John Strobel

Bachelor of Science in Computational Media

Highest Honor

Devlin Grey Hunt

High Honor

Colman Thomas Bryant

Honor

Nicholas Lawrence Bowman
John Vincent Kelly III
Kurt H. Margenau
Justin Lanier Smith

Patrick Bonaparte
Laura Beth Bungenstock
Travis Roger Whilden

Ivan Allen College of Liberal Arts

Bachelor of Science in Public Policy

Highest Honor

Amanda Dyann Dugan
Taylor Scott Narewski
Stephen Michael Utych

High Honor

Christopher Gregory Eells
Matthew Charles Johnson
Whitney Renee Vail

Sharyn Nicole Finney
Le'Quetia Sharesse Jackson



**Bachelor of Science in History,
Technology, and Society**

Highest Honor

Kristin Ashley Noell

Honor

Jennifer Ann Rogers

*William Collin Box
Katherine Elisabeth Colmer
Maria Anne Forline
Carson Burgess Parker
James Matthew Stephenson
Kristen E. Tocher*

**Bachelor of Science in Science,
Technology, and Culture**

High Honor

*Kristina Kaye Hull
Amanda Jean Korell
Johnathon Wayne McFarland*

*Warren Hilton Harper Jr.
Jaron Ridgeway Hendrix
Joel Scott Linderman
Jason Nicholas Thurman
Christopher Charles Van Acker
Jewel Sheron Welch*

**Bachelor of Science in
International Affairs and
Modern Language**

Highest Honor

*Emily Nicole Clifton
Caitlin Marie Crist
Albert Max d'Heurle
Jonathan David Griffin
Christopher Nolan Lynch
Michelle Kathleen Moon*

High Honor

*Olivia Clare Hayes
Courtney Jennifer Leech
Eric Thomas Vogel*

Honor

*Sterling Royce Wilhelm Gerdes
Christine Cory Vaughn*

*Leah Elizabeth Heim
Sanjana Susan Mammen
Leigh Nicole Sprowls*

**Bachelor of Science in
International Affairs and
Modern Language
Cooperative Plan**

Highest Honor

Rizwan R. Ladha

**Bachelor of Science in
International Affairs**

Highest Honor

*Brent Tyler Baxley
Thomas David Earnest
Jessie Kathleen Edwards
Divya Kalb
Kelly Elizabeth McCall*

High Honor

*Christopher Bret Garrigues
Brice Dillard Painter
John Douglas Waters Jr.
Srinivasu Yerneni*

Honor

*Sarah Elizabeth Ford
Summar Shoaib
Lindsey Lauchlin Thompson
Sarah Kathryn Wood*

*Amanda Kay Brown
Elizabeth Ann Burchfield
Peter David Busse
John Ernest Ceisel
Victoria Anne Cherry
Melissa Claire Dibben
Nicholas Garth Hutchings
Mary Helen Knight
Blair Sterling Metz II
Ann Elizabeth Moormann
Meena Maria Nabavi
Michael Bradford New
Laila Rifay
Daniel Taylor Rubenfield
Brian Devin Searcy
Brittaney Lee Short
Allison Nicole Schemm Smith
Jacob Aaron Tucker
Saudamini Amul Zarakpar*

**Bachelor of Science in
Economics and International
Affairs**

Honor

Sung Woo Choi

Aaron William Nowak

**Bachelor of Science in
Global Economics and
Modern Languages**

Honor

Tiffany Michelle Schoenhoff

**Bachelor of Science in
Economics**

Highest Honor

*Gregory Carl Leo
Davis William Roberson
Ryan Matthew Schofield
Kyle Eugene Thomason
Mark Yuan*

High Honor

*Scott Pease Jarrell
John Monti Kapteyn*

*Mindy Michelle McCaughey
Lawrence A. O'Donnell
Jacob Lopaka Smith
Brandon A. Sprowls*

College of Architecture

Bachelor of Science

Highest Honor

*Thomas Beattie Boyd
Kenneth Alan Cherney III
Erin B. Connolly
Kelly Morgan Hegarty
David Joseph Krogh
Justin Andrew Schwartzhoff
Nicole Elizabeth Seekely
Amanda Kaye Slaughter
Katherine L. Tans
Evan Vance Watts
Stephen Anthony Weitzel*

High Honor

*Bryan Thom Alcorn
Rachel Ann Cobb
Lindsey Christine Graham
Amelia Catherine Halter
Kiem Hoan Ho
Paul L. Knight
Flora Lee
Laurel Naomi Marshall
Bryce David McQueen
Lauren Coleen Mitchell
Phi Tran*

Honor

Ira Jacob Dennis
 Christopher Andrew Geist
 Daniel J. Goers
 Jong- Jin Lee
 Susan Elizabeth Prater
 James George Roussos
 Geoffrey Keith Sosebee
 Lindsey Elaine Waters

Jennifer Ann Allen
 Melissa Anne Beachy
 Craig Stuart Bullock
 Wei Kuo Cheng
 Lyndsey Nichole Deaton
 Payal G. Desai
 Robert Latham Diamond
 Clayton Wesley Holmes
 Felix Hu
 Joshua Styles Hunt
 Jessica Suzanne Jackson
 Nadine Asem Kashlan
 Helen Kim
 Christopher Alan Kupcho
 Charles Andrew Lindberg
 Jessica Lee Lord
 Constantin Luchian
 Robert Randall Morris
 William Joshua Oakley
 Julia Ashley Praser
 James Matthew Stephenson
 Melissa Magill Thackery
 Jessica Rae Wallace
 Shauntay Ariel Word
 Kan Zheng

**Bachelor of Science in
Building Construction****Highest Honor**

Michael Robert Peter Delashmit
 Brett Andrew Haynie
 Kari Lynn Miller
 Todd Lawrence Trappe

High Honor

Dong Bom Kim
 Feng Xue

Honor

Sara Ellen Cagwin
 Jordan Peter Dombart
 Steven Jeffrey Dunlop
 Ian Paul Mueller
 Rebecca Anne O'Donnell
 Heidi Lee Schlansker
 Joanna Lee Tatum

Nicole Vanessa Bennett
 Adam Wayne Bounds
 Luther Darby Bryant
 Benjamin David Christoff
 Ryan Andrew Clear
 Adam Benedic de Silva
 Nathan Mark Green
 Ashley Anne Harrison
 Mitchell Dennis Kaas
 David Vance Melton
 Kevin Robert Moore
 Stephanie Michelle Nelson

**Bachelor of Science in
Building Construction
Cooperative Plan****Highest Honor**

Brandon James Wilt

High Honor

Perry Jeffrey Gibbs

**Bachelor of Science in
Industrial Design****Highest Honor**

Alfredo Gonzalo Aponte
 Kira Lyn Barcus
 Mary Allison Brennan
 Meredith Megan Harman
 Jana Brinker Heiss
 Adeel Tahir Ismaili
 David James Kessler
 Andres Javier Oyaga Loewy
 Stephanie Jo Radbill
 Sara Michelle Tison
 Jessica Jean Wood

High Honor

Mark Alan Parsons
 Emma Elizabeth Sugg
 Brandon Donald Swafford
 Amanda Gaines Whitley

Honor

Jesse Ray Chen
 Jessica Ruth Cole
 Sergio E. Gill
 David Thomas Gransewicz
 Melissa Fung Hwang
 Laura Megan Janet
 Valerie Marie Jencks
 Tuyet Hong Thi Nguyen

Kareem Victor Elias Bendeck
 Jason William Bishop

John Douglas Chin
 Sergio Salvador Estrada
 Jesse Altmeyer Gooley
 Nicholas Robert Milevsky
 Alexander Claudius Petersen
 David Charles Tucker
 Catherine Billiris Zachas

**Bachelor of Science in
Industrial Design
Cooperative Plan**

Catherine Marie Schindel

*College of Management***Bachelor of Science in
Management****Highest Honor**

Michael Ryan Casner
 Molly Elizabeth Childers
 Wendy F. Chu
 John Destin Dunham
 Scott Douglas Durham
 Kathryn Elene Griffin
 Melissa Gail Hayes
 Baillie Elizabeth Homire
 Ashley Elizabeth Johnson
 Ryan Patrick Langdale
 Jason Wyatt Nelson
 Patrick Seavers O'Neill
 Lauren Ashley Patton
 Lauren Dominique Raymond
 Darryl L. Richard II
 Matthew Brendon Ritz
 Joshua Adam Smith
 Alison E. Walker
 Brian Alan Wright
 Jeffrey Martin Young

High Honor

Barbara Michelle Daymude
 Molly Amanda Lang
 Jessica Michelle Lloyd
 Brett Donald Miller
 Charisse Janel Miller
 Rachael Karr Nylin
 Aastha Sharma
 Alison Jo Roseann Silverio
 Rachel Anne Streams
 Deborah Anne Wilhoite
 Braden Alexander Willis
 Katherine Elizabeth
 Wrobleski



Honor

Casey Michael Arundel
Nicole Renee' Bradford
Daniel George Crews
Wells Brabham Curlee
Anna Catherine Cutts
Jenny O'Neal Freeman
Lauren Elizabeth Haburchak
Huma Majid Hosain
Kevin Burt Larsen
Ashley Bethmara Leen
Katherine Joan Malone
Craig Allen Neal
Christopher Schmitt Philbeck
Joe Matthew Queen
Christopher Evan Reis
Amy Ellen Sachsenmaier
Christina DeAnn Sedor
Abby Lynn Showers
Benjamin Michael Songer
Deborah Elizabeth Stephens
Yuka Takahashi
Alexandra Nicole Thomas
Michael Adam Vincent
Farral Yifan Wang

Stephen Thomas Abernathy
David Stanley Andersen
Melissa Bates Atherton
Brett Randal Barker
Elizabeth Leona Bartle
Viacheslav Igorevich Batyrev
Wesley Francis Bear
Daniel Berende
Reuben Richard Rene
Victor Fuller Bidez
Kristy Marie Blackman
Jason William Blake
Jimena Bravo Buitrago
Elizabeth Ann Burchfield
Johnathan Michael Burrows
Paul Matthew Byrne III
Adam Lee Caskey
Grayson Edward Cason
Hyun Woo Chang
Michael Thomas Clarke
Kevin Ryan Clickner
Katie Anne Coggin
Rebecca Cole
Kenneth G. Cook III
Luan Kinh Dang
Kreta Piyush Desai
Jennifer Elise Drake
Philip James Dreger IV
Gerald Ryan Duckworth
Carrie Beth Cooper Dunbar
Frank Vincent Edwards
David William Elsberry
Ajenavi Christopher Eziemefe
Mary Kate Ficke

Sharyn Nicole Finney
April Dawn Forshee
John King Fountain
Anthony Scott Fruscione
Jeffrey Scott Gallaher
Troy Andrew Gerstenberger
Patrick James Ghosh
Joshua Travis Goff
Gregory Charles Goodson
Paige Lindsay Guy
Joseph John Hammond
Andrew Mark Hawranick
David Scott Hendley
Stephanie Denise Higgs
Bradford Abbott Hildreth
Jonathan Cook Hollingsworth
Kelly Renee Humphrey
Brandon Lee Jeffcoat
Matthew Jones
David Nicholas Jordan
Adam Matthew Katz
James Ryan Keck
Travis Grant Kelly
Michael Edward Kennair
Brian Y. Kim
Emily Brooke Knight
Cassandra Rae Knowles
Avid June Lajevardi
Cynthia Aubrie Lee
Kimm Elizabeth Lincoln
Pradeep Gopala Mangalapalli
Joshua Moore Mathis
Mark Shawn McCabe
Khristina M. McClinic
Sanders McCown
Jameson Wolf McKible
Ashley Whittington McMahan
Zeshan A. Merani
Ashley Jeannine Mills
Joseph Lee Mingledorff
Jesse Tyler Misel
Richard Alexander Mitchell
Samuel David Morgan
David Koji Oguni
Esther Sun Oh
Katherine Anne Oliver
Kai Ouyang
Michael A. Pearce
Nicole Marie Porcheddu
Meredith Blaire Powers
Zachary Michael Rath
Evan Christian Rimmel
Graham Pryor Roberts
Joshua Seth Rosenfield
Andrew Ross Scholtens
David Edward Schutte
Chandni Sheth
Amanda Elizabeth Shook
Brett Michael Sparling
Abhisarika Srivastava

Lindsey Kimberly Stauss
Derrick Lamond Steagall
Rachel Edith Stern
Janell Helen Stewart
Ji Yoon Suh
Chad Fitzgerald Teat
Erica Jackson Thorn
Ben Tignor
Andrew Bryan Truett Jr.
Sophia Adelaide Tsonis
Niraj Vashi
Nick Wagner
Kyle Patrick Wallace
Sarah Kate Watson
Laura Allison Weathers
Anna Kristen Wilson
Christopher Julius Woods

**Bachelor of Science
in Management
Cooperative Plan**

Highest Honor
Laura Nicole Stanley
Casey Leigh Swails
Shilpa Lalchand Tahiliani

High Honor
Caroline Meagher Mahoney
Matthew Allen Swanburg

Honor
Robert Jack Jay Graham

Brandon Christopher Bass
Stephen Davis Cairns

*College of Sciences***Bachelor of Science in Discrete
Mathematics**

Highest Honor
Kevin Tyler Cross
William Branson March
Brian Koichi Nakamura
Adam Jacob Tart
Brian Charles Williams

**Bachelor of Science in Earth and
Atmospheric Sciences**

Highest Honor
James Ian Belanger

High Honor

Alice Ann Koerner
Hannah Ruth Stewart
Anna Rachel Williams

Honor

Austen Michael Shantz

Christopher Henson Keiser
Jeffrey Lee Nelson
Nathan Wu

Bachelor of Science in Biology**Highest Honor**

David Young Balser
Joseph John Bear
Steven Eric Blackwood
Colin Douglas Booth
Tricia Sue Dudek
Alexander Joachim Engelmann
Katherine Clair Fluke
Cody Scott Freeman
Kristen Danielle Kennedy
Sarah Carmela Paglioni
Charles David Warden

High Honor

Aaron Robert Bolduc
Leah Anne Clark
Meryl Christine Mims

Honor

Sarah Chen
Justin Wade Fincher
Shervin Hadizadeh
David Joseph Herren
Stephanie Lane Mitchell
Vy Ha Nguyen

Melissa Ann Affatato
Jaclyn Annette Arpin
Stephanie Claire Chester
Christina Louise Cunningham
Maryam Doroudi
Tung Thanh Duong
Lee Franklin Echerd
Sarah Elizabeth Gausman
Megan Elizabeth Gosch
Imran Amin Hasni
Megan Kathleen Heaphy
Joshua Brandon Heaton
Jennifer Christine Holmes
Alexis Reid Johnson
Charles Pierce Lines
Naghmeah Majdi
Janna Murray
Heather Noland

Biraj Kaushik Patel
Jennifer Ann Rekau
Melanie Ann Ringham
Sareh Sabripour
Meredith Noel Stasiak
Nami Ueda
Swati Murthy Vishnubhakat
Menglu Wang

**Bachelor of Science in Biology
Cooperative Plan**

Jose Alejandro Mundo III

**Bachelor of Science in
Applied Psychology****Highest Honor**

Ember D. Epperson
Morgan Lyn Willard

High Honor

Alexandria Rae Brzenk
Jessica Ashley Durham
Denise Michelle Larkins
Kristy Lynn Marquez
Nikita Pirouz
Meghan Teresa Quinlan

Honor

Monal Rajani

Christine Min Bae
Shelly Elizabeth Bland
A. Bozorg
Katie Anne Coggin
Anita Renee Culler
Mary Amanda Harris
Jennifer Christine Holmes
Richard Tai Kuo
Mireille Genevieve Murad
June Young Park
Jessica Erin Rooney
Zunaira Salim
Ashley Kristin Gardner Taylor
Shumaila M. Virani
Thomas Ayres Wangerman
Elizabeth Lynn Weldon
Sarah Lynn Whitlock

**Bachelor of Science in
Applied Mathematics****Highest Honor**

Alexander Jordan Block
Darrell Steven Britt Jr.

Darshan William Bryner
Emanuel Gabriel Indrei
Charles Zachary Martin
George Alexander Steele IV
Matthew Conrad Tanzy

High Honor

Michael Stanford Young

Honor

Elizabeth Cory Hart

Lisa Bennington
Jena Chang
Jeremy Lael Corbett
Ryan Stevenson Field
Sarah Amalie King
Chandler McMichael Sommerville

**Bachelor of Science in
Applied Physics****Highest Honor**

Patrick James Decker
Alexander Joel Silverman

Bachelor of Science in Physics**Highest Honor**

Jerry Carr Jr.
Robert M. Hovden
Charles Zachary Martin
Andrew J. Musser
Matthew Conrad Tanzy

Honor

Yatis Kanu Dodia
Matthew Israel Schuchard

William C. Diehl
Clifford Scott Hibbs
Philip P. Lin
Joseph Brandon Nichols
Nicole Lynn Robertson
Eric Henry Tart
Jeffrey Scott West

Bachelor of Science in Chemistry**Highest Honor**

Benjamin Judson Bachman
Ryan Allott Hayn
Anja Lesaja



High Honor

George Zaoshi Pan
Pratiq Akshay Patel

Honor

Patrick Miles Chesley
Amanda Katherine Cooper
Rhoda Xinying Gao
Ryan M. West

Tymothy Fletcher Anderson
Joe William Chiles III
Andrew Berton Conley
Phillip David Fetter II
Samuel Jameson Garvey
Elizabeth-Ann Gould
Jeffrey Michael Hart
Lauren Elizabeth Hayden
Todd Andrew Murphy
John James Nevin
Jessica Hyui-Su Park
Linh Hoa Son
Derek Benjamin Stuck
Cathy Van Tran

College of Engineering

**Bachelor of Science in
Biomedical Engineering****Highest Honor**

Ramsey Ayman Al-Hakim
Laura Rose Croft
Shobhika Dhingra
Angela Renee Gill
Josh Adams Hammel
Swati V. Kannan
Royal Kai Yee Law
Khin Khin Lay
Ross Alexander Marklein
Ryan Davis Moore
Ravi Hemant Parikh
Jason Eugene Rockhold
Marc Edward Seaman
Vijayalakshmi Sundaram
Hari M. Trivedi
Haining Yu

High Honor

Arash Astanehasl
Subina Banerjee
Robert John Beaulieu
Jon-Michael Etienne Caldwell
Rashi Chandra
Mitchell James Donner
Modupe Olayinka Billie Edogun
Jonathan Faulk Greene
Scott Pease Jarrell

Andrea Nicole Para
Vijal Patel
Benjamin Thomas Roller
Steven John Ryan
Hyojin Song
Subina Surendran
Srinivasu Yerneni
Yu Zhang

Honor

Shannon Pari Fatehi
John Michael Kroger
Austin Garey Nichols
Chintan Chandrakant Patel
Shreya Shukla
Bao Ngoc Chau To
Saujanya Vadoothker
Lauren Louise Vernon
Kriss Frances White
John Francis Wiles
Jennifer Meo Hounq Zeitang

Adjete Kokou Ameh
Felix Kwesi Boachie
Amy Marie Byrd
Christopher Clarke
Jennifer Lynn Craig
Jerett Scott Gordon
John David Henderson
Edwin Leary Kelly III
Chun Yu Lam
Sen Yuan Lin
Matthew Ryan Palo
Pietro Alexander Pariselli
Norman Horace Ward III
Samantha Sandra Willis

**Bachelor of Science in
Biomedical Engineering
Cooperative Plan****Highest Honor**

Gayathri Balasubramanian
Melissa Ilene Freedenberg

**Bachelor of Science in Materials
Science and Engineering****Highest Honor**

Stewart Chen
Stanley Casey Davis Jr.
Nathan Anders Johansen
David Joseph Lorang
David Lee Safranski
Gregg Thomas Van Laningham

High Honor

Jeffrey Charles Jasmin
Arsalan Khalid Siddiqi

Honor

John Berry Guthrie
Kimani T. Partin
Laurissa Alia Prystaj
John Allan Shupe

Daniel Book Fuhrman
Randy Scott Lampert
Ross C. Mackowski
Theresa B. Mara
Danny Vu Nguyen
Kyle Scott Wilkinson

**Bachelor of Science in Materials
Science and Engineering
Cooperative Plan****High Honor**

Zachary Gray Segraves

James Borden Caverlee Jr.

**Bachelor of Science in
Computer Engineering
Regional Engineering Program****High Honor**

William Alfred Bowers III
Eric Skaar Tadsen

Steven Alexander Vaughn

**Bachelor of Science in
Computer Engineering****Highest Honor**

Joshua Alexander Beavers
Kevin Tyler Cross
Ricardo David Acio Del Rosario
Timothy John Fabiniak
Minh B. Nguyen
Prateek Shah
Jeffrey Alan Swofford
Alvin D. Yates

High Honor

Jordan Taylor Wills
Joshua Kevin Wilson

Honor

Rohan Bansal
 Jessica Ann Frame
 Jay Allan Mair
 Peter Henry Waszkowski

Joseph M. Antoon
 Timothy Earl Barnes
 Mikhail Burshteyn
 Rickey Lenell Ferguson
 Patrick Timothy Hamilton
 Tae Wook Kim
 Matthew Kuo
 Loc Quang Le
 Alan Neil Nix
 John Ben Owens II
 Michael Joseph Sabot II
 Ryan Scott Thorsteinson
 Daniel Matthew Uhrman
 Richard Brandon Vaughan
 Reeves Paul Isaac Washington
 John Wallace Wyant

**Bachelor of Science in
 Computer Engineering
 Cooperative Plan**
Highest Honor

Ronald Lee Henry III
 Scott Forrest McCans
 Brian Koichi Nakamura

High Honor

Keil Sterling Brewer
 Jeffrey Michael Darrish

David Franklin Hembree
 Rachel Anne Moorehead
 Drew Richard Petersen

**Bachelor of Science in Nuclear
 and Radiological Engineering**
Highest Honor

Elisabeth Faye Gayton
 Bernard Lee Jones III
 Christopher Tyson Myers

High Honor

Emily Mae Colvin

Jessica Shawn Feener
 John-Patrick Floyd II
 Chad Michael Grennor
 Franklin William Hope
 Lee Paul Tschaepe

**Bachelor of Science in
 Industrial Engineering**
Highest Honor

Vivek Amin
 Lindsey Leigh Bogue
 William Reid Bond
 Roberto Mario Castro
 Chengran Chai
 Joy Eudora Frazier
 Xiaolu Guan
 Raghav Himatsingka
 Manik Jain
 Reza Kasravi
 Michael James Kelly
 Vadim V. Lantukh
 Chee Siang Lau
 John Xiang Li
 Kristie Ann Ludvigsen
 Paul William Meggs
 Lauren Elizabeth Mills
 Aishwarya Narendran
 Mary Winifred New
 Nicholas Vincent Petrus
 Lucas Posada
 Ashleigh Anne Royalty
 Vaibhav Shah
 Richard Olney Wright
 Mark Yuan

High Honor

Osman Hafeez Chaudhry Chaudhry
 Farhad Chowdhury
 Steven Keith Hardy
 Si Li
 Leslie Ann Myles
 Miguel Alexander Rivera
 Marissa Gale Saulsberry
 Jeffrey Shek

Honor

Andrew Raymond Billings
 Courtney C. Byrd
 Kimberly Chen
 Katherine Michelle Daniel
 Irina Ilyashenko
 Shitanshu Jhunjhunwalla
 Hyuk Soo Kahng
 Justin Junghwan Kim
 Siddharth Lunawat
 Kunal Harishbhai Patel
 Kevin Anthony Smith
 Kimberly Anne Toomer

Leslie Anne Babb
 Derrick Gerrard Barrett
 Adam Kenton Batenhorst
 Brett Walker Bell
 Rahul Rajesh Bhagnari
 Christopher L. Carter

Donna Cavaliere
 Fallon Nicole Coble
 Andrew Antonio Dasso
 Meghan Kathleen DeVinney
 Yen Thi Duong
 Anna Kiara Falcon
 Bodi Shawn Fan
 William Grier Ferguson
 Brian Christopher Fox
 Tyler Jaye McKinley Gales
 Jenna Leigh Girardot
 Asit Narain Gupta
 Aaron Nels Haight
 Ryan Hunter Hogue
 Caroline Mia Ingco
 Mu-Ku Kang
 Meeta V. Kasan
 Seth Daniel King
 Andrew Eugene Knouse
 Robert Daniel Kuhn
 Beryen Lai
 Roger Bochiao Lai
 Travis Mitchell Lampert
 Justin Ross Lawrence
 Vincent LeFevre
 Audrey Alexis Lewis
 Brennan Scott MacKinlay
 Joshua Travis Mallett
 Jane Marie McKnight
 Ketan Mehta
 Megan Lea Merriman
 Richard Douglas Mock
 Mya LaTiffani Montgomery
 Joel Michael Morgenstern
 Jennifer M. Nichols
 Swathy Poorvisha Prithivi
 Divya Ann Purohit
 Neda Raji
 Gelareh Rezaeifard
 Brandon D. Richardson
 Lydia Lorraine Sherwin
 Sharon Shin
 Jonathan Jacob Stewart
 R. Christopher Sturdivant
 Amanda Leigh Sutton
 Carlos Benjamin Tan Jr.
 Neethu Thomas
 Jacob Norris Wilson
 Chadwick Thompson Wright
 Robert Emil Yocum

**Bachelor of Science in
 Industrial Engineering
 Cooperative Plan**
Highest Honor

Kristine Lee Ashford
 Sarah Grace Awadalla



High Honor

Anna Lane Clark
Blake Wilson Henderson
David Edward Hubbard
Blake Andrew West

Honor

Philip Jeffrey Safir
Kathleen Elizabeth Tribble
Matthew Gary Trinetti

Jennifer Ryan Griffin

**Bachelor of Science in
Aerospace Engineering****Highest Honor**

Burak Bagdatli
Nicholas Sebastian Boechler
Jeffrey Mark Bosworth
Nathan Joel Christensen
Christopher Emory Cordell Jr.
Justin Samuel Gray
Daniel Davison Hegeman
Eric Scott Hendricks
Alexander Nicholas Hreiz
Brian Gregory Kazian
Yuan Liu
Fabian Keni Mak
Vasudevan Manivannan
Adam Charles Maser
Evan James McClain
Andrew S. Myers
Gaurav M. Nagle
Courtland Earl Pegan Jr.
Balachandran Radharamanan
Sheikh Kori Rahman
Bradford Elliott Robertson
Richard Alexander Scott
Rajiv R. Shenoy
Paul Elliott Specht
Masayuki Yano

High Honor

Joshua Allen Terry Gray
Charles Andrew Hardin
Aaron Joseph Kelly
Sean Garrett Paul
Jeremy Royce Rutter
Robert Christian Scott
Robert Lee Taylor Jr.
Esmond Teo
Clayton Patrick Tino

Honor

Alexander Acierto
Ainsmar Xavier Brown
James Michael Cahill

Sung Woo Choi
Stephen Michael Gatto
Satomi Kamiya
Jarrod Andrew Pannell
Thomas Richard Riney Jr.
Jeffrey R. Staub

Jillian Apa
David Barona
Graham Austin Burdette
Patrick Chai
Yoonsuk Chang
Jason Daniel Cormey
Sarah Ruth Curet
Ryan Stevenson Field
Xin Fei Guo
Rayiner Imtiaz Hashem
Michael Jon Hatfield Jr.
John Thomas Hoblack
Alex Justin Hoffman
Phillip Hom
Robert James Hudak II
Elise Marie Humbert
Pierre Jimenez
Roshawn Wendell Johnson
Paul Austin Keith
Robert Edward Kramer
Brendan Joseph Kroll
Charles Luther McCloud
William Ryan McGehee
Chilurwa Mdala
Ryan Willson Merriam
Christopher M. Neglia
Andrew Carl Ollikainen
John Taylor Oxford Jr.
Matthew Vincent Panaro
Hardik Dinesh Patel
Bryan Samuel Powell
Raghuram Boyapally Reddy
Joel David Rosenberg
Tushar Mayur Sampat
Roosevelt Usoekong Samuel
Ki Seok Song
Daniel Raul Sotolongo
Vesna Stojanovska
Brennan Loyd Stults
Mitsuyo Tsuda
James Alan Turner

**Bachelor of Science in
Aerospace Engineering
Cooperative Plan****Highest Honor**

Joshua John Bialkowski
Robert Michael Brinley III
Megan Elizabeth Englert
Robert A. Haynes

Christopher John Ignatius
Jarret Marshall Lafleur
Charity Joy Lewis
Robert Roozbeh Maleki
William Matthew Nipper
Jason Yu

High Honor

Matthew David Lord
Thilini Prasadini Rangedera
Nilesh Madhusudan Shah

Honor

Derek Matthew Cash
Morgan Huanyan Goh
Andrew James Heath
Robert Louis Martin
Camille D. Sauer

Kreta Piyush Desai
John Robert Howard
Brook Andrew Prudden
Darren William Rettew
Alan Shane Ward

**Bachelor of Science in Chemical
and Biomolecular Engineering****Highest Honor**

Lacey Katherine Adkins
Andria Grace Davis
Nicholas Michael Drahush
Adam Jackson Kiefer
Ashlee Catherine King
Anja Lesaja
Cornelia Moebes
Jason Stuart Moore
Oluwaseun Femi Ogunjumo
Nimish Dinesh Pandya
Shrayesh Naran Patel
Matthew John Paul
Alicia Diane Powers
Obie Daniel Reynolds
Carine Saha-Kuete
Laura Isabel Nunez Salkeld
Gareth Ray Sheppard
Crystal Jing Zhang

High Honor

Christopher Wayne Ethridge
Kaylin Anne Harper
Carrie Ann Kelley
Purvi Rajendra Patel
Michael Stephen Paul
Jignesh Jagdish Shah
Holly Claiborne Sheehan
Prashant Vasudevan

Honor

Moubin Mahmoud Al-Malla
Crystal Jeannette Bickley
Brett Adam Burris
Richard Allen Giles
Mallory Taylor Graves

Elizabeth Brass Almon
Mark David Beverly
Aditya Kumar Bohra
Brandon Nicholas Cavallaro
Stephen William Drylie
Mayisha Iman Ealey
Jignesh Haresh Fifadara
William Denis Harper
Nicole Kay Hess
Samba Jarju
Svjetlana Kuljanin
Saleema S. Lakhani
Kai Pong Lam
Brett Hector Markwort
Kyle David Martinez
Mallarie DeShea McCune
Guozhou Mo
Brooke Anne Mullis
Ivan Ordaz
Tracie Leanne Owens
Layne Frances Perry
Lan Diem Pham
Nicholas J. Sherman
William Michael Steiner
Autumne Elizabeth Stuart
Jennifer Leigh Turner
Alecia Jonel Williams
Kimberly Hand Williamson

Bachelor of Science in Chemical and Biomolecular Engineering Cooperative Plan

William Ryan Collins
Aswathy H. Nair
Michael Andrew Riddle

Bachelor of Science in Polymer and Fiber Engineering

Highest Honor

Matthew Thomas Black

High Honor

David Michael Berta Jr.

Honor

Rolfe Bradley Johnson

Matthew Elliot Anderson
Daniel Ryan DeNeve

Robert Noyes Etheridge
Phillip Aaron Groover
Jee Hae Kim
Alexander Richard Saputa
Shulamite Dawn Wan

Bachelor of Science in Polymer and Fiber Engineering Cooperative Plan

Honor

Robert Wayne Brunken

James Morris Hawkins

Bachelor of Science in Civil Engineering Regional Engineering Program

Highest Honor

Justin E. Hodges
Tyler Lamar Price
Pamela B. Trowbridge

High Honor

Neil Patrick McKenzie
Kelli Danielle Tanner

Honor

Mehdi Jerez Bashirian
Thomas Lee McCrary

Nathaniel Gary Barnett
Nathaniel Oberlin Counts
Jennifer Marie Marshall
Adam Christopher Waites

Bachelor of Science in Civil Engineering

Highest Honor

Daeyoun Bae
William Alexander Berry
Yi Wei Cheng
Robert David Moser
Jody Carter Peace
Rebecca Lynn Puetz
Kelley Bleu Sanford
Nicholas Andrew Schmidt
Menache Sofer
Amanda M. Thomas

High Honor

Jeffrey Bryan Bernstein
Jose Guadalupe Castaneda

Elizabeth Ashley Foster
Varun N. Gandhi
Patrick Anthony Gonzalez
Ravi Gupta
Joseph Craig Hensley II
William Adam Logan
Johnathon Wayne McFarland

Honor

Joshua Young Alexander
Aaron William Bivins
Daniel Patrick Cannon
Jason Charles Goff
Robert Jack Jay Graham
Reed Edward Martin
Cody Tillman Parham
Matthew Stephen Roe
Daniel Joseph Souther

Juan Esteban Acosta
Gregory Joseph Ashworth
Anthony Frederick Bentivegna
Cliff Douglas Bishop
James Ryan Bullock
Brian Mitchell Carley
Kelly Amanda Cleveland
Glynnis Cameron Conlin
Justin Ryan Cooner
Nathan Ross Cox
Phillip Joseph Davis
Melanie Jane Deal
Hooman Doroudi
Ryan Matthew Downs
Justin David Drope
Samuel Calvin Durham
Leo Andrew Holahan Jr.
Ming-Pu Hsu
Pervez Iqbal
Robert Preston Jacqueline Jr.
Jeffrey Lance Kefalos
Michael Reed Keller
Alexandra K. Kennedy
Joseph Ridley Kinsey IV
Peyton Jared Knowlton
Emily Katherine Lantrip
Christopher Lamar Lindsey
Brandon Jay Linville
Matthew David Madden
Victor Hugo Martinez Jr.
Michael Alan Morello
Daniel Fredrik Olausen
Angharad Chloe Emeline Pagnon
Benjamin Joseph Pevarski
Brian Christopher Potter
John Andrew Rioux
Dianna Aurora Rocheleau
M. Jarrett Sappington
John R. Schnick
Charles Adam Shelton



Orit Tirana Sklar
James William Sloan
Benjamin Jeffery Smedsrud
Sean Thomas Smolarek
Kyle Taylor Snell
Eric Lloyd Spell
Aaron Keefer Stern
Alana Elizabeth Stuart
Chester Grant Thomas
Khanh Tran
Clayton Seth Whittingham
Ned Delaney Wright Jr.

**Bachelor of Science in
Civil Engineering
Cooperative Plan**

Highest Honor

Emily Michelle Nilsson
George Curtis Reynolds II

High Honor

Tyler Davis Peek
Franz Joseph Russler

Honor

Joseph Tyler Limbaugh III
Kari Lea Weber

Jennifer G. Fields
Allison Elizabeth Olean
Robert Bennett Sumrell

**Bachelor of Science in
Electrical Engineering
Regional Engineering Program**

Honor

Jenniffer Bieberbach

Richard Benjamin Dixon
Russell Elijah Dowd
Jarrod Dale Moore
Robert Matthew Stone

**Bachelor of Science in
Electrical Engineering**

Highest Honor

Arish Alreja
Shane Colleen Ardell
Daniel Ross Brostin
Ariel Corinne Brown
Punnaiah V. Chalasani
Brian David Chandler
Yew Ching Chen
Karan Chopra
Kevin James DeMarco

Matthew James DeVoe
Ofer Finkler
Michael Paul Galdos
Niranjan Ganesh Kumar
Christopher Theodore Garyet
Clarissa Ann Grayson
Girish Jain
Zen Anubhav Mehra
Bravishma Narayan
Amit P. Patel
Sujata Sen
Jerry Andrew Sorrells II
Dhruv Srivastava
Ian William Stephens

High Honor

Steven C. H. Dang
Armand Matthew DeFusco
Justin Deloach Dew
Phong Quoc Do
Joseph Karl Goldberg
Harsh Vardhan Gupta
Asad Hashim
Raghav Kohli
Siddharth Krishnan
Vivek Nath
Christopher James Smith
Anushree Verma
Ernest Ray Yang

Honor

Michael Algozer
Abhishek Venkata Bhagavatula
Arjun Krishna Bhatt
Kevin Andrew Brenner
Joshua James Connell
Nicholas Spyros Dermatas
Yatis Kanu Dodia
Jeffrey Thomas Hodges
Deborah M. Johnson
Kevin Shanker Sinha

Talha Saeed Ansari
Andre Anthony Asbury
Tayelolu Awoniye
Priyadarshini Bandaru
Brian Patrick Binkley
Garry Michael Butler
Austin Clark Carpenter
Riyadhul Kabir Chowdhury
Joshua David Clayton
Walter Cody Fincher
Nathan Scott Fisher
Vaishnavi Raghurathy Gomadam
Ramonn Forte Gullatt
Aaron A. Hawkins
Jonathan Vuong Hong
Hsin Hsien Kuo
Jonathan Barton Landham
Matthew Hillman Lewis

Mangtin Bik Lian
Matthew Stephen Logston
Bryan Bao Luu
Dilruba Malik
Tyson Louis Marsh
Lionel Howard Martin Jr.
Trevor Anthony McLeod
Pedro Alexander Medina
James Andrew Michaels
Robert Justin Miller
Zachary Louis Nelson
Edwin Niculaescu
Patrick Ryan O'Berry
Uchenna Ralueke Obi
Juan Carlos O'Connell
Ndidi Bisola Ogbecchie
Frank Kwabena Oppong
Shaunak Ramesh Patel
Trung Hoang Pham
Pradyut Pokuri
Justin Alan Rand
John Alan Reese
Jeong Hee Seo
Ethan Nico Shaner
Zhenhua Tang
Basil Isidore Udoudoh
Victor Marcelo Virreira
Kifle Addis Weldesellase
Marc Antony Wilson II
Christopher Lee Woodard
Kun Xu
David Shumeng Yeah
Craig Sanders Young

**Bachelor of Science in
Electrical Engineering
Cooperative Plan**

Highest Honor

Philip Nathaniel Brown
Kyle Bradley Campbell
Benjamin Patrick Clarke
Chetan Devchand
Chetesh Devchand
Kyle Bennett Hamilton
Ryan Patrick Hutchinson
Ankur Saxena

High Honor

Siddharth Bhandari
Michael G. Smith

Honor

Kevin Judson Parker
Kenneth Joseph Steeves
Dustin Brantley Weeks
Joseph Wesley York

Stanley Israel Beasley
 Jason Glenn Bellamy
 Malachi Causey Bennett IV
 Alex Dixon Berkobin
 Matthew Thomas Crowley
 Nicholas Anthony Ham
 Juan Ramon Madrigal
 Charles Alexander McFeaters
 Ricardo Yoshio Nojima
 Zachary Whitman-Allen

**Bachelor of Science in
 Mechanical Engineering
 Regional Engineering Program**

High Honor

Jonathan Michael Bankston
 Alexander Michael Ruderman

Thomas Ashley Beal
 Steven F. Hess
 Robert Eugene Lafond
 Julian Brown Stevenson

**Bachelor of Science in
 Mechanical Engineering**

Highest Honor

Amanda Elizabeth Bennett
 Eric R. Deutsch
 Sead Dzebo
 Alfred Lloyd Frith Jr.
 Daichi Fujioka
 Michael Brian Galvin
 Joshua Mark Inouye
 Ryan Patrick Kane
 Kendra Doniele Kofler
 Boon Ching Lee
 Jaeho Lee
 Owen Carlos McGarity
 Robert John McWilliams
 Jonathan Daniel Olander
 Dan Boon Sankar
 Jeffrey Steven Schlosser
 Joshua Tyler Strow
 Benjamin McCoy Taylor
 Carla Beatriz Uribe
 Damien Angelo Valenti
 Clinton Gregory Warren

High Honor

Boris A. Bazan
 Benjamin Stewart Beck
 David William Brunone
 Michael Roberts Hamilton
 Curtis Laurence Johnson
 Jeffrey James Kerr
 Rohit Khosla

Jonathan Matthew Kolaski
 Anthony Joseph Pergola
 Zachary Black Sosebee
 Joseph Ronald Steele
 Darryl James Tomlinson
 Matthew Allen Tomme
 Ruoya Wang

Honor

Steven Michael Altomare
 Rohan Bansal
 Jose Manuel Caban
 Benjamin Adair Howard
 Prashanth Philip Irudayaraj
 Charles Nash Simons
 Brandon Henry Terrell
 Kelly Anne Tucker
 Troy Wesley Watson
 Andrew Holmes Whitaker
 Shawn Duane Wick
 Alexander Whitaker Williams
 Yuan-Chun Paul Wu

Abhishek Agarwal
 James Steven Alex
 Jonathan David Allen
 Michael Frederick Allen
 Marcus Arevalo
 Martin Laurent Arignon
 Olufunmilola Omobolaji Atilola
 John Paul Beckman
 John Michael Behnken
 Matthew Robert Betts
 William Dean Billard II
 Moritz A. Boecker
 Eric Kenneth Branch
 Brooks Daniel Bryant
 Jacob Evan Burleson
 Stephen Michael Butler
 Sean William Cassidy
 Colin Clay Caviness
 Alan Sceborn Clark
 Samuel Joseph Daves
 Christopher James Delp
 Ian Dezen
 Carl Ehrnrooth
 Jonathan David Eveleth
 David Fernandes
 Robin Holbrook Fernandez
 Nathan Zachary Fulton
 Blaine Niland Gardner
 Gregory Scott Geihlsler
 Chet Allen Gutwein
 David William Houston
 Jacob Thomas Jacob
 Victor Jaworski
 Yevgeniy Benjamin Karshenboym
 Eric Blakely Kelley

Andrew Kim
 Jason Min Kim
 Carolyn Marie Kleppin
 Kristine Amanda Kurtzeborn
 Philip Joseph Linkous
 Lindsay Leigh Moore
 Kevin Matthew O'Grady
 Oluwaseun Olaniyi Oyeniran
 Jamerson Michael Parrott
 Brett Hobart Perryman
 Wittia P. Phlong
 Aditya Prabhakar
 Michael James Ragins
 Bradford Alan Range
 Brandon Christopher Reed
 Jonathan Preston Reeves
 Christian Ryan Retterer
 Lauren Kay Rhoades
 Jevawn Sebastian Roberts
 Ryan James Russell
 Brandon Wayne Grant Saadiq
 Kevin Matthew Scarborough
 Dustin J. Scholz
 Daniel Edgardo Acosta Seara
 Robert Adam Smith
 Jeannine Frances Snyder
 Scott David Spencer
 John Ralph Stafford III
 Michelle Annette Stille
 Lee Paul Tschaepe
 John Matthew Tuck
 Collin Douglas Wallace
 Xiaoxiao Wang
 David Andrew Ward
 Garrett Webb
 Albert Whiteside IV
 Ryan Alexander Willingham
 Patrick Kelly Wilson
 Brandon Michael Winterling
 Joseph Paul Yeatts
 Makoto Yuzawa

**Bachelor of Science in
 Mechanical Engineering
 Cooperative Plan**

Highest Honor

Jeffrey Daniel Bisch
 Annemarie Marier Cardell
 Michael Jay Ely
 Raul G. Fernandez
 Sanjeev Shyam Heda
 Gregory Paul Mallegol
 Lambros Timothy Samouris
 Aaron Michael Emata Scott
 Karen Lenz Warren
 Christopher Roth Weir



High Honor

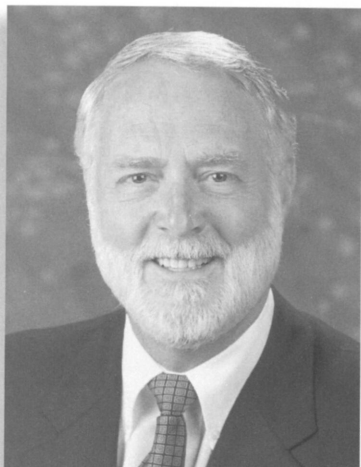
Drew Allen Glaser
Kenneth Michael Helfrich
Andrew John Mettler
Caitlin Sarah Murphy
Christine Lacey Primmer

Honor

Lisa Ann Bradway
Robert Clarke Grant
Edward Sun Kimm
Chad Brandon Robbins
Oscar Luis Vargas

Sean Thomas Amormino
Anthony Fields
James Michael Howell
Scott Philip Kerklo
David Lane Middleton
Christine Carol Montgomery
Andrew Martin Norcom
Charles Ray Popham Jr.
Elizabeth Ashley Wolf

President G. Wayne Clough, PhD Georgia Institute of Technology



In September 1994, Dr. G. Wayne Clough became the tenth president of the Georgia Institute of Technology and the first alumnus to serve as president. Clough received his bachelor's and master's degrees in civil engineering from Georgia Tech in 1964 and 1965, respectively, and a PhD in civil engineering from the University of California, Berkeley, in 1969.

Formerly a faculty member at Duke University, Stanford University, Virginia Tech, and the University of Washington, Clough served as head of the Civil Engineering Department and dean of the College of Engineering at Virginia Tech, and as provost and vice president for Academic Affairs at the University of Washington.

During his tenure as president, Georgia Tech has served as the Olympic Village for the 1996 Centennial Games, research expenditures have doubled from \$212 million to \$445 million, the undergraduate experience has been strengthened and reshaped, and enrollment has increased from 13,000 to almost 18,000. More than \$1 billion in private gifts has been secured, and the statewide Georgia Tech Regional Engineering Program has been implemented. A \$1.2 billion building program has been completed, with another \$150 million in facilities in planning or under construction.

Clough has received nine national awards from the American Society of Civil Engineers, including the 2004 OPAL Award for Lifetime Achievement in Education. He is one of a handful of civil engineers to

have been twice awarded civil engineering's oldest recognition, the Norman Medal, in 1982 and in 1996. He received the George Westinghouse Award from the American Society of Engineering Education in 1986 for outstanding teaching and research. Elected to the National Academy of Engineering (NAE) in 1990, Clough was awarded the 2002 National Engineering Award by the American Association of Engineering Societies and in 2002 was named an honorary member of the American Society of Civil Engineers.

In 2001, President George W. Bush appointed Clough to the President's Council of Advisors on Science and Technology, and he currently chairs a nanotechnology task force and previously chaired the Federal Research and Development panel. Bush also nominated him to the National Science Board in 2004, and he is the only person to serve simultaneously on both of these national advisory bodies. Clough is vice chairman of the U.S. Council on Competitiveness and co-chaired the Council's 2004 National Innovation Initiative. He also chairs the Defense Department's Committee on New Orleans Regional Hurricane Protection Projects, and recently chaired the Engineer of 2020 initiative of the National Academy of Engineering. He serves as a special consultant to the San Francisco Bay Area Rapid Transit System for ongoing major seismic retrofit operations, and is on the International Advisory Board of King Fahd University of Petroleum & Minerals.

Closer to home, Clough is a member of the Executive Committee of the Metro Atlanta Chamber of Commerce and a trustee of the Georgia Research Alliance. He serves on the Board of Advisors for Noro-Moseley Partners, the Southeast's largest venture capital fund, and the board of TSYS of Columbus, Georgia. For eleven years, *Georgia Trend* magazine has listed him among the 100 Most Influential People in Georgia.

Clough's interests include technology and higher education policy, economic development, diversity in higher education, and technology in a global setting. His academic specialty is geotechnical and earthquake engineering, and he has published more than 130 papers and reports and 6 book chapters.



PhD Commencement Speaker

Raymond L. Orbach, PhD



Raymond Lee Orbach was sworn in by Secretary Samuel W. Bodman as the Department of Energy's first undersecretary for science last June. The new position was created by the Energy Policy Act of 2005.

As undersecretary for science, Orbach serves as the secretary's advisor on science policy as well as on the scientific aspects of all that the Department of Energy (DOE) does, from basic research, to nuclear energy, to the environmental clean-up of Cold War legacy sites, to defense programs. Orbach is responsible for planning, coordinating, and overseeing the Department's research and development programs and its seventeen national laboratories, as well as its scientific and engineering education activities.

In addition, Bodman has tasked Orbach with overseeing the Department's implementation of the President's American Competitiveness Initiative, which will help drive continued U.S. economic growth.

Orbach continues to serve as the director of DOE's Office of Science, a position he has held since 2002. In this capacity, he manages the third-largest federal sponsor of basic research in the United States, the primary supporter of the physical sciences in the nation, and one of the premier science organizations in the world. The Office of Science's 2006 budget of \$3.6 billion funds programs in high energy and nuclear physics, basic energy sciences, magnetic fusion energy, biological and environmental research, and computational science. Formerly the Office of Energy

Research, the Office of Science also provides management oversight of ten DOE non-weapons laboratories, supports researchers at more than 300 colleges and universities nationwide, and builds and operates the world's finest suite of scientific facilities and instruments used annually by more than 19,000 researchers worldwide to extend the frontiers of science.

From 1992 to 2002, Orbach served as chancellor of the University of California, Riverside. Under his leadership, the university doubled in size, achieved national and international recognition in research, and led the University of California system in diversity and educational opportunity. In addition to his administrative duties at the university, he also sustained an active research program; worked with postdoctoral, graduate, and undergraduate students in his laboratory; and taught the freshman physics course each year.

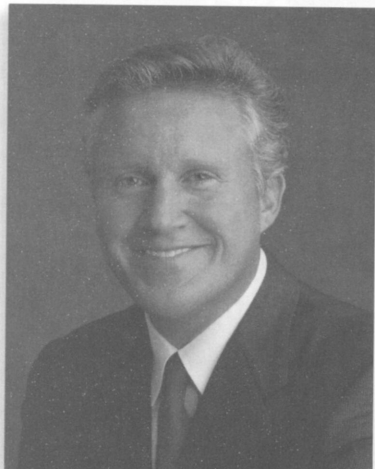
After beginning his academic career as a postdoctoral fellow at Oxford University, Orbach became an assistant professor of applied physics at Harvard University. He later joined the faculty of the University of California, Los Angeles (UCLA) and subsequently served for a decade as provost of UCLA's College of Letters and Science.

Orbach's research in theoretical and experimental physics has resulted in the publication of more than 240 scientific articles. A fellow of the American Physical Society and the American Association for the Advancement of Science, Orbach has also held numerous visiting professorships at universities around the world. He serves as a member of twenty scientific, professional, and civic boards.

Orbach holds a bachelor's degree in physics from the California Institute of Technology and a PhD in physics from the University of California, Berkeley, where he was elected to Phi Beta Kappa. He and his wife, Eva, have three children, seven grandchildren, and three step-grandchildren.

Master's and Undergraduate Commencement Speaker

Jeffrey R. Immelt



Jeffrey R. Immelt, chairman of the board and chief executive officer of General Electric, is the ninth chairman in the company's 128-year history. Appointed to his post in September 2001, Immelt had previously served as president and chairman-elect of General Electric (GE) beginning in November 2000.

Immelt began his GE career in 1982. Over the last twenty-four years, he has held a series of global leadership roles in GE's plastics, appliance, and medical businesses. He became an officer of GE in 1989, and joined the GE Capital Board in 1997.

In 2005 and 2006, *Barron's* named Immelt one of the World's Best CEOs. Under his leadership, GE has been named "America's Most Admired Company" three times in a poll conducted by *FORTUNE* magazine and the world's most respected company in polls conducted by *Barron's* and the *Financial Times*.

Chairman of The Business Council, Immelt serves on the boards of three non-profit organizations: Catalyst, devoted to advancing women in business; Robin Hood, focused on addressing poverty in New York City; and the New York Federal Reserve Bank.

Immelt holds a bachelor's degree in applied mathematics from Dartmouth College (1978) and an MBA from Harvard University (1982). He and his wife, Andrea, have one daughter.



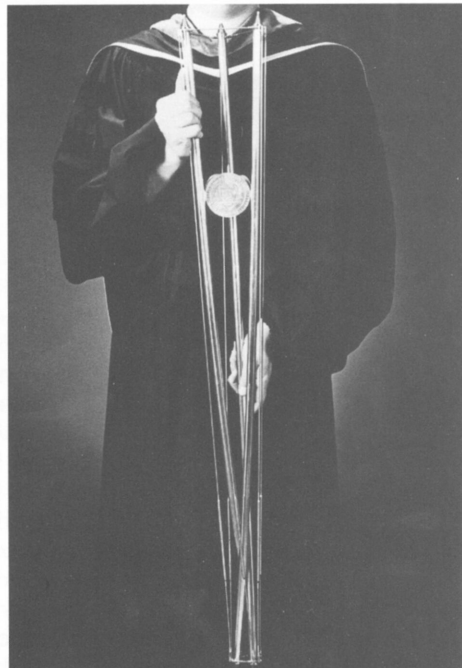
In academic ceremonies, the mace is an ornamental staff carried as a symbol of authority. The office of the mace bearer, though purely ornamental, dates back to medieval England when special occasions required the use of a bodyguard. In colonial America, the mace became a symbol of office when it was used in conjunction with academic regalia.

The Georgia Tech mace carried in today's ceremony was designed by Cabell Heyward, a former research scientist in the College of Architecture, and was first used in April 1988 at the presidential installation of John P. Crecine. The mace was made possible by a gift from the Georgia Tech Student Foundation and the Class of 1934.

The primary focus of the mace is its three brass rods, which demonstrate the principle of "tensegrity," a concept of structure combining tension and integrity developed by R. Buckminster Fuller in 1927. The integrity, or wholeness, of the mace is maintained by each of the rods being held in place by the tension of the steel wire; the rods do not touch one another at any point.

The brass rods symbolize the three primary components of Georgia Tech's mission: education, research, and service. The gold color of the brass and the white color of the steel wire represent Georgia Tech's colors. The mace also incorporates three silver metallic seals, which are reproductions of the official seal of the state of Georgia, the original seal of Georgia Tech, and the current seal of the Institute.

The mace was fabricated by Mr. Heyward and Arthur Schoenfeld, who are both formerly with the Center for Assistive Technology and Environmental Access in the College of Architecture, in conjunction with Atlanta jeweler Robert Nagle.



Academics, Research, and Athletics

College of Computing

The College of Computing houses one of the largest interdisciplinary computer science programs in the country, forging relationships across campus and with universities around the world. The College provides the highest quality instruction and is dedicated to the integration of computing knowledge into all aspects of life. The faculty of the College of Computing are the creators of the Threads™ platform in undergraduate computer science education. Threads™ has gained significant notoriety as a way to approach all science and engineering education because it requires learning basic and advanced computing skills in the context they will be used rather than forcing all students to take the same classes.

The College also has five interdisciplinary research centers: the Georgia Tech Information Security Center (GTISC); the Graphics, Visualization, and Usability Center (GVU); Center for Experimental Research in Computer Systems (CERCS); the Robotics & Intelligent Machines Center at Georgia Tech (RIM@GT); and the Algorithms and Randomness Center & ThinkTank (ARC ThinkTank).

A total of 1,483 students are enrolled in the College, including approximately 927 undergraduates and 556 graduate students.

Ivan Allen College of Liberal Arts

The Ivan Allen College, created in 1990, is the liberal arts college of Georgia Tech. The curriculum and research initiatives of the College explore the crucial intersections of technology, the physical sciences, the humanities, and the social sciences. The College includes six degree-granting schools: Economics; History, Technology, and Society; the Sam Nunn School of International Affairs; Literature, Communication, and Culture; Modern Languages; and Public Policy. The College currently

has 1,000 graduate and undergraduate majors.

Ivan Allen College is a nationally recognized leader in a range of fields including digital information and interactive game design, educational technologies, Internet governance, international economics, international security, and the advancement of women in science and engineering, environmental policy, and technology policy. It offers a range of language and culture programs including the Languages for Business and Technology Program. It is also the home of Georgia Tech's Army, Navy, and Air Force ROTC units. Ivan Allen graduates have gone on to leadership roles in law, industry, government, and education.

College of Architecture

The School of Architecture became the College of Architecture in 1975. In the fall of 2006, 780 undergraduate and 370 graduate students were enrolled in the various academic programs of the College, including architecture, building construction, city and regional planning, doctoral studies, industrial design, and music. In fall 2006, the Master of Science in Music Technology degree was approved. An additional 1,140 students, representing all colleges at Georgia Tech, enrolled in music courses each semester in 2006-07.

Some of the College's more prominent alumni include John Portman (1950), John Portman and Associates, designer of Peachtree Center; George Heery (1950), former chairman of the board, Heery International, designer of the Coca-Cola Building; Thomas W. Ventulett III (1958), senior principal of Thompson, Ventulett, Stainback and Associates, designer of Technology Square in Atlanta and the McCormick Place complex in Chicago; Mack Scogin (1967), former chair of the Department of Architecture at Harvard University; and Michael Arad (1999), designer of the World Trade Center Memorial in New York.

Research programs in the College include the Center for Assistive Technology and Environmental Access, the

Construction Resources Center, the Center for Geographic Information Systems, the IMAGINE Group, the Advanced Wood Products Laboratory, and the Center for Quality Growth and Regional Development.

College of Management

The intersection of business and technology is at the heart of the College of Management, the business school at Georgia Tech. Today that focus is more relevant than ever before. Leveraging Georgia Tech's strengths in entrepreneurship and technology innovation, the program grounds students in critical thinking and teaches them to perform in a highly technological and global environment. The interdisciplinary nature of the curriculum stresses teamwork, cultural diversity, and relevant solutions to real-world problems to create a solid educational foundation for the business leaders of tomorrow.

Georgia Tech's business school, which enrolled approximately 1,300 undergraduates and 250 graduate students in fall 2006, has earned a place among the most highly respected business programs in the nation since it was established in 1913. Today, the business school offers bachelor's, MBA, executive master's, and PhD degrees, as well as a wide range of programs for executives and professionals.

College of Sciences

Established from the former College of Sciences and Liberal Studies, the College of Sciences provides programs in the natural, mathematical, and behavioral sciences.

The specialized academic programs in the Schools of Applied Physiology, Biology, Chemistry and Biochemistry, Earth and Atmospheric Sciences, Mathematics, Physics, and Psychology attract students who have a strong interest in science and mathematics and are interested in relating their educational experience to social, governmental, industrial, and postgraduate fields.



In the fall of 2006, the College enrollment was 1,156 undergraduate students and 770 graduate students. Some high-profile graduates of the College of Sciences are Ashworth Stull (1937), inventor of the "White Glue" that became known as Elmer's Glue; Glen P. Robinson Jr. (1948, 1950), founder of Scientific-Atlanta and owner of patents on solar energy and antenna systems and energy; Kary B. Mullis (1966), inventor of polymerase chain reactions and a 1993 Nobel Prize recipient in chemistry; Gilbert F. Amelio (1965, 1967, 1968), former chairman and CEO, Apple Computer; and Nancy "Jan" Davis (1975), astronaut.

College of Engineering

From the opening of the Institute and the establishment of the School of Mechanical Engineering in 1888, the College of Engineering has continually grown. Today, the College incorporates nine engineering schools with a fall 2006 full-time enrollment of 9,843 undergraduate and graduate students. It consistently ranks among the top five engineering schools in the country, both in size and program quality.

The current dean of the College, Don P. Giddens (1967), earned all three of his degrees at Tech. Other outstanding alumni include: Ronald Wayne Allen (1964), former chairman and CEO, Delta Air Lines; former President Jimmy Carter (1946); Michael T. Duke (1971), president and CEO, Wal-Mart USA; Walter G. Ehmer (1989), president and COO, Waffle House Inc.; Thomas L. Gossage (1957), former chairman, president, and CEO, Hercules; H. Scott Howell (1951), executive vice president (retired), Russell Corp.; James R. Jolly Jr. (1964), chairman and CEO, Johnson and Johnson Industries; John W. Keys III (1964), commissioner, U.S. Bureau of Reclamation; Sandra H. Magnus (1996), NASA astronaut; Thomas J. Malone (1963), executive vice chairman (retired), Milliken and Co.; David A. Perdue (1972, 1976), chairman and CEO, Dollar General; Agustin A. "Gus" Ramirez (1968, 1969), chairman, president, and CEO, Husco International;

H. Milton Stewart (1961), former chairman and CEO, the Standard Group Inc.; Robert T. "Bobby" Jones (1922), world-renowned golfer; Arthur Murray (1923), legendary dance instructor; and George W. Woodruff (1917), philanthropist.

Athletics

At Georgia Tech, academics and athletics truly do mix, and the Institute is rich in both traditions. Tech competes on the NCAA Division I level within the twelve-member Atlantic Coast Conference, a league that places high emphasis on academics. Memorable alumni include Robert Tyre "Bobby" Jones, 1930 winner of golf's Grand Slam; Olympic track gold medalists Antonio McKay, Derrick Adkins, and Derek Mills; basketball standouts Mark Price and John Salley; baseball greats Nomar Garciaparra and Jason Varitek; professional golfers David Duval, Stewart Cink, and Matt Kuchar; and fourteen members of the National Football Foundation's College Football Hall of Fame.

Tech athletes have been led by legendary coaches such as Bobby Dodd, 1945-66; John Heisman, 1904-19; William Alexander, 1920-44; John "Whack" Hyder, 1952-73; and Bobby Cremins, 1982-2000.

Intramural sports are available to all students. More than twenty activities, ranging from crew to weight training, are offered.

Georgia Tech Research Institute

The Georgia Tech Research Institute (GTRI) is the nonprofit, applied research arm of the Georgia Institute of Technology. GTRI conducts world-class research, delivering leading edge, real-world solutions and training to industry and government organizations in Georgia, across the nation, and throughout the world. GTRI's work also promotes Georgia's industrial and economic development, while encouraging development and protection of Georgia's natural resources.

GTRI's research is largely focused on defense and security, but also has an outstanding track record for using that research to find unique solutions for government and industry in the healthcare, environment, and energy markets.

GTRI is home to many of the nation's leading scientists and engineers. Approximately 1,200 employees perform or support more than \$120 million in research yearly for clients in government, industry, and academia. GTRI is also the largest employer of Georgia Tech students, providing real-world experience for nearly 300 students annually.

Library and Information Center

The Georgia Tech Library functions as a client-oriented information center focusing on the data and information needs of students, faculty, and staff.

The first library of Georgia Tech was established in 1899 and consisted of a room in the Administration Building housing fewer than two thousand volumes. Now the library contains more than 1 million volumes, a complete collection of U.S. patents, and more than 2 million technical reports, government documents, and industrial standards.

The explosion of scientific and technical information and the advent of computing, networking, and multimedia technologies are the foundation of the evolution of the library from a building of books to a learning and information center. The library was the first in the nation to provide local online information retrieval capabilities. Today, the library leads the nation in providing technologically robust environments in support of student learning.

Academic Degrees

The Bachelor's Degree

The bachelor's degree is the oldest academic degree used by American colleges and universities. The degree, which represents completion of a four-year course of study, was first awarded in 1642 to the graduating class of Harvard College.

The Master's Degree

The master's degree represents the completion of one or two years of study beyond the bachelor's degree. The degree dates back to the oldest universities in Europe and usually requires a thesis and an oral examination.

The Doctoral Degree

The doctoral degree is the most advanced academic degree conferred by American institutions of learning. "Doctor," which means teacher or instructor, was used as a title in the twelfth century to denote men of great learning.

Traditions

Academic Regalia

The academic regalia worn by today's participants is a colorful relic dating back to the Middle Ages, when education was a function of religious organizations. The monks' habit and the cowl worn over their heads were predecessors of the modern black gowns and hoods. The mortarboard was developed from the skullcaps worn during medieval days by churchmen officiating at religious services.

In 1894, American universities standardized gown styles for the three different types of degrees. Doctoral degree candidates wear the traditional black gown with full, round sleeves, velvet facings on the front, and velvet bars on the sleeves. Hoods are lined with the color of the university granting the degree. Hoods at Georgia Tech are lined in white and gold. The doctoral hood is distinguished by its blue trim, which is the color representing philosophy.

Master's degree candidates also wear the traditional black gown with full-length square sleeves that have a crescent-shaped piece hanging from each sleeve. The master's hoods are also lined in white and gold and are distinguished on the outside by gold trim, the color of science. Recipients of the bachelor's degree at Tech wear a plain black gown and no hood.

Caps used by all Tech graduates are traditional mortarboards, and tassels are white and gold.

The Alma Mater

Music by Frank Roman
Words by I. H. Granath

*Oh, sons of Tech, arise, behold!
The Banner as it reigns supreme,
For from on high the White and Gold
Waves in its triumphant gleam.
The spirit of the cheering throng
Resounds with joy revealing
A brotherhood in praise and song,
In memory of the days gone by.
Oh Scion of the Southland!
In our hearts you shall forever fly.
We cherish thoughts so dear for thee,
Oh, Alma Mater in our prayer.
We plead for you in victory,
And in the victory we share!
But when the battle seems in vain
Our spirits never falter,
We're ever one in joy or pain
And our union is a lasting bond.
Oh! May we be united
Till the victory of life is won.*

The Ramblin' Wreck

*I'm a Ramblin' Wreck
from Georgia Tech
And a hell of an engineer
A helluva, helluva, helluva
Helluva, hell of an engineer.
Like all the jolly good fellows,
I drink my whiskey clear.
I'm a Ramblin' Wreck
from Georgia Tech
And a hell of an engineer.*

*Oh! If I had a daughter, sir,
I'd dress her in white and gold
And put her on the campus
To cheer the brave and bold.
But if I had a son, sir
I'll tell you what he'd do—
He would yell "To Hell
with Georgia"
Like his daddy used to do.*

*Oh! I wish I had a barrel of rum
And sugar three thousand pounds,
A college bell to put it in,
And a clapper to stir it 'round.
I'd drink to all good fellows
Who come from far and near.
I'm a Ramblin', Gamblin'
Hell of an engineer.*



Commencement Committee

Alumni Programs

David Stokes

Announcer

Nora Cotille-Foley,
Dr. William Johnson,
and Masato Kikuchi

Campus Police

Police Chief Teresa Crocker
and staff

Ferst Center Theatre

Aishah Pacheco and staff

Graduate Studies

Maureen Kilroy and
Tatianna Matthews

Institute Communications and Public Affairs

Aimee Anderson and staff

Music Department

Terri Bassett, Frank Clark,
Ron Mendola, Christopher
Moore, and Jerry Ulrich

Parking Office

Robert Furniss and staff

Plant Operations

Brandon Ford and Staging staff

Registrar's Office

Candy Carson, LaWanda Cole,
Ann Laros, David Lowery,
Reta Pikowsky, Deanna Sterns,
Craig Womack, and staff

Student Affairs (AdAPTS)

Tameeka Hunter

White and gold ribbons on today's diplomas were hand-tied by disabled employees of the Bobby Dodd Center in Conyers, Georgia. Former Georgia Tech Coach Bobby Dodd was instrumental in securing funding for the vocational rehabilitation training facility that bears his name.

Cover art provided by Overly, a division of Saltus Press, Worcester, Massachusetts.

Copyright 2007 • Georgia Institute of Technology • Institute Communications and Public Affairs • G0751239
• An equal education and employment opportunity institution.

Continued

Alumni Programs
De Witt Smith

Announcements
Non-Excluded
De Witt Smith, Jr.
and Michael Smith

Campus Police
Police Chief James Smith
and staff

Food Center Theater
Robert Smith and staff

Graduate Studies
William Smith and
Patricia Smith

Institute Communications
and Public Affairs
Anne Smith and staff

Music Department
Tom Smith, Fred Smith
and Michael Smith
Adams and Jerry Smith

Parking Office
Robert Smith and staff

Plant Operations
William Smith and staff

Registrar's Office
Charles Smith, Ed Smith, Fred
Smith, and David Smith
K. Smith, Charles Smith
and staff

Student Affairs
William Smith

Student Union
William Smith
Student Union
William Smith
Student Union
William Smith

Student Union
William Smith

Student Union
William Smith

Student Union

