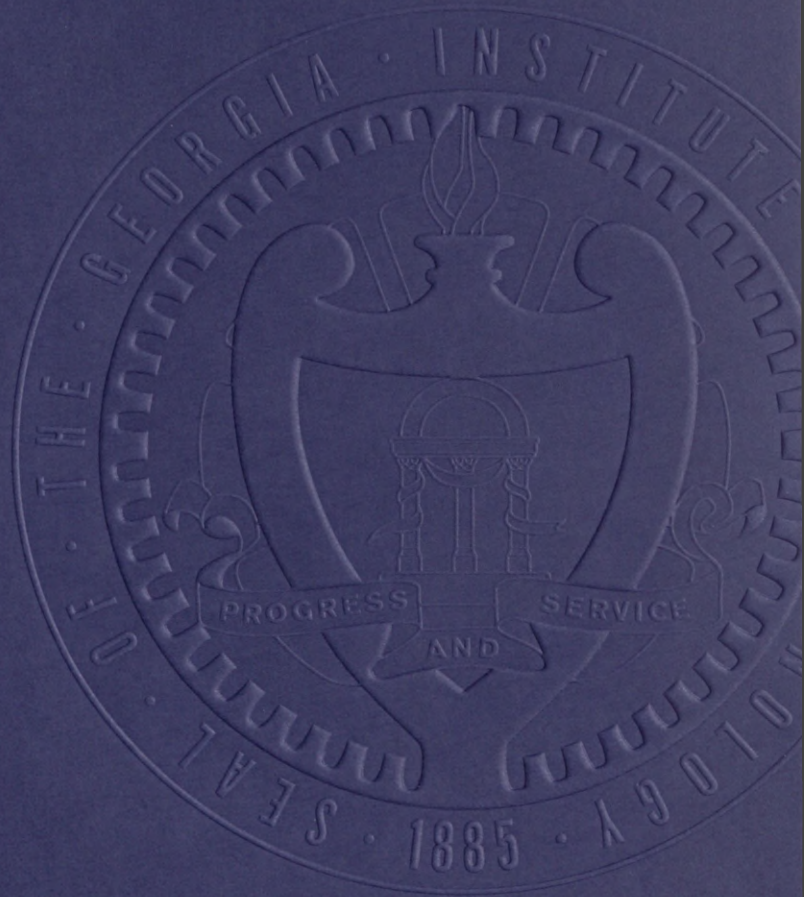




Georgia Institute  
of Technology



*Commencement  
Ceremony*

◀ SPRING 2005 ▶

MEYER



*elcome to the 221st 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 2,400 undergraduate and  
graduate students, today's ceremony recognizes  
their academic achievements at Georgia Tech  
and inaugurates a new era in their careers.*



*S*pring Semester  
May 7, 2005 • 9:00 A.M.  
Georgia Dome

PROCESSIONAL	Georgia Tech Commencement Ensemble, coordinated by Dr. Frank Clark, Department of Music
MASTER OF CEREMONIES	Dr. Wayne Clough, President
REFLECTION	Steve Fazenbaker, Director and Campus Minister, Wesley Foundation at Georgia Tech
NATIONAL ANTHEM	Georgia Tech Commencement Ensemble
COMMENCEMENT ADDRESS	The Honorable Samuel W. Bodman U.S. Secretary of Energy
PRESENTATION OF DOCTORAL DEGREE CANDIDATES	Dr. Charles Liotta, Vice Provost for Research and Dean of Graduate Studies
CONFERRING OF DEGREES	Dr. Clough
PRESENTATION OF MASTER'S DEGREE CANDIDATES	Dr. Liotta
CONFERRING OF DEGREES	Dr. Clough
INTRODUCTION OF ACADEMIC DEANS	Dr. Jean-Lou Chameau, Provost and Vice President, Academic Affairs
PRESENTATION OF UNDERGRADUATE DEGREE CANDIDATES	College of Computing Associate Dean Maureen Biggers Ivan Allen College of Liberal Arts Dean Sue V. Rosser College of Architecture Dean Thomas D. Galloway College of Management Dean Terry C. Blum College of Sciences Dean Gary B. Schuster College of Engineering Associate Dean Jane C. Ammons



CONFERRING OF DEGREES	Dr. Clough
COMMISSION RECOGNITION CEREMONY	LTC Alfred Scott Jr. Army ROTC
INDUCTION INTO THE ALUMNI ASSOCIATION	Mr. Carey Brown, Class of 1969 President, Georgia Tech Alumni Association
ALMA MATER	Georgia Tech Commencement Ensemble
FACULTY RECESSIONAL	Georgia Tech Commencement Ensemble
"RAMBLIN' WRECK"	Graduates and Audience

*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.*





# Doctoral Degree Candidates

## **Doctor of Philosophy Bioengineering**

Natasha D. Case

Thesis: "Oscillatory Compressive Loading Effects on Mesenchymal Progenitor Cells Undergoing Chondrogenic Differentiation in Hydrogel Suspension"  
Advisor: Dr. Robert E. Guldberg

Matheau A. Julien

Thesis: "Mechanical Strain-mediated Syndecan Regulation and its Effects on Adhesion of Vascular Smooth Muscle Cells"  
Advisor: Dr. Elliot L. Chaikof

Natalia Landazuri

Thesis: "Effects of Flocculation on Retrovirus Processing, Delivery, and Transduction"  
Advisor: Dr. Joseph LeDoux

Puneet Sharma

Thesis: "Comparison of Delayed Contrast-enhanced Magnetic Resonance Imaging of Myocardial Viability at 1.5 and 3 Tesla"  
Advisor: Dr. John N. Oshinski

Michael Elliott Sorensen

Thesis: "Functional Consequences of Model Complexity in Hybrid Neural-microelectronic Circuits"  
Advisor: Dr. Stephen P. DeWeerth

Jin Suo

Thesis: "Investigation of Blood Flow Patterns and Hemodynamics in the Human Ascending Aorta and Major Trunks of Right and Left Coronary Arteries Using Magnetic Resonance Imaging and Computational Fluid Dynamics"  
Advisor: Dr. Don P. Giddens

Yun Xing

Thesis: "Effects of Mechanical Forces on the Biological Properties of Porcine Aortic Valve Leaflets"  
Advisor: Dr. Ajit Yoganathan

## **Doctor of Philosophy Computer Science**

Yuan Chen

Thesis: "Opportunistic Overlays: Efficient Content in Mobile Environments"  
Advisor: Dr. Karsten Schwan

Yaxin Liu

Thesis: "Decision-theoretic Planning Under Risk-sensitive Planning Objectives"  
Advisor: Dr. Sven Koenig

Arnab Paul

Thesis: "Designing Secure and Robust Distributed and Pervasive Systems with Error-correcting Codes"  
Advisor: Dr. Umakishore Ramachandran

Heather Anne Richter

Thesis: "Designing and Evaluating Meeting Capture and Access Services"  
Advisor: Dr. Gregory D. Abowd

Ivan Tatic

Thesis: "Efficient Synchronized Data Distribution Management in Distributed Simulations"  
Advisor: Dr. Richard M. Fujimoto

Joseph Carl Tullio

Thesis: "Exploring the Design and Use of Forecasting Groupware Applications With an Augmented Shared Calendar"  
Advisor: Dr. Elizabeth D. Mynatt

## **Doctor of Philosophy Public Policy**

Eliesh O'Neil Lane

Thesis: "Decision Making in the Human Subjects Review System"  
Advisor: Dr. Richard P. Barke

## **Doctor of Philosophy Architecture**

Weiling He

Thesis: "Flatness Transformed and Otherness Embodied: A Study of John Hejduk's Diamond Museum and Wall House 2 Across the Media of Painting, Poetry, Architectural Drawing, and Architectural Space"  
Advisor: Dr. John Peponis



Sugie Lee

Thesis: "Metropolitan Growth Patterns' Impact on Intra-regional Spatial Differentiation and Inner-Ring Suburban Decline: Insights for Smart Growth"  
Advisor: Dr. Steven P. French

Debajyoti Pati

Thesis: "Maximizing the Benefits of Courtroom POEs in Design Decision Support and Academic Inquiry Through a Unified Conceptual Model"  
Advisor: Dr. Craig M. Zimring

**Doctor of Philosophy  
Management**

Can Usley

Thesis: "The Role of Pricing Strategy in Market Defense"  
Advisor: Dr. Naresh K. Malhotra

**Doctor of Philosophy  
Earth and Atmospheric  
Sciences**

Susan Anne Elston

Thesis: "Secondary Circulation in a Sinuous Coastal Plain Estuary"  
Advisor: Dr. Jackson O. Blanton

Yan Huang

Thesis: "Assessments of the Direct and Indirect Effects of Anthropogenic Aerosols on Regional Precipitation over East Asia Using a Coupled Regional Climate-Chemistry-Aerosol Model"  
Advisor: Dr. William L. Chameides

Brent Adam McDaniel

Thesis: "Intraseasonal Dynamical Evolution of the Northern Annular Mode"  
Advisor: Dr. Robert X. Black

Raymond Derrell Mooring

Thesis: "On Using Empirical Techniques to Optimize the Shortwave Parameterization Scheme of the Community Atmospheric Model Version Two Global Climate Model"  
Advisor: Dr. Robert Dickinson

**Doctor of Philosophy  
Applied Biology**

Christopher David Banna

Thesis: "Characterization of DAP1/YPL170W: the Saccharomyces Cerevisiae Membrane Associated Progesterone Receptor (MAPR) Homologue"  
Advisor: Dr. Jung H. Choi

Kavita C. Gokhale

Thesis: "Interactions Between Endogenous Prions, Chaperones, and Poly-glutamine Proteins in the Yeast Model"  
Advisor: Dr. Yury O. Chernoff

Mandi Michelle Murph

Thesis: "A Characterization of the Human G Protein-coupled Receptor, Lysophosphatidic Acid 1: Its Intracellular Trafficking and Signaling Consequences on the Tumor Suppressor, P53"  
Advisor: Dr. Harish Radhakrishna

**Doctor of Philosophy  
Mathematics**

Marcus David Sammer

Thesis: "Aspects of Mass Transportation in Discrete Concentration Inequalities"  
Advisor: Dr. Prasad Tetali

Jose Luis Sanchez

Thesis: "A Study of Dynamics of Coupled Nonlinear Circuits"  
Advisor: Dr. Shui-Nee Chow

Luis Hernandez Urena

Thesis: "Pricing of Game Options in a Market with Stochastic Interest Rates"  
Advisor: Dr. Robert P. Kertz

**Doctor of Philosophy  
Psychology**

Tracy Michelle Kantrowitz

Thesis: "Development and Construct Validation of a Measure of Soft Skills Performance"  
Advisor: Dr. Ruth Kanfer

**Doctor of Philosophy  
Physics**

Selcuk Akturk

Thesis: "Extending Ultrashort-Laser-Pulse Measurement Techniques to New Dimensions, Time Scales, and Frequencies"  
Advisor: Dr. Rick P. Trebino

Armando Alonso Anaya

Thesis: "Spin Valve Effect in Ferromagnet-Superconductor-Ferromagnet Single Electron Transistor"  
Advisor: Dr. Dragomir Davidovic



Asmerom Yemane Ogbazghi  
Thesis: "Conductance Through Nanometer-scale Metal-to-Graphite Contacts"  
Advisor: Dr. Phillip N. First

Ziyang Wang  
Thesis: "Next-generation Ultrashort-pulse Retrieval Algorithm for Frequency-resolved Optical Gating: The Inclusion of Random (Noise) and Non-random (Spatio-temporal Pulse Distortions) Error"  
Advisor: Dr. Rick P. Trebino

***Doctor of Philosophy  
Chemistry***

Micah Lowell Abrams  
Thesis: "General-order Single and Multireference Methods in Quantum Chemistry"  
Advisor: Dr. C. David Sherrill

Huachuan Cao  
Thesis: "Probe Oxidative Damage in DNA Charge Transfer Process"  
Advisor: Dr. Gary B. Schuster

Jeffrey R. Capadona  
Thesis: "Surface-directed Assembly of Fibrillar Extracellular Matrices"  
Advisor: Dr. David M. Collard

Janine Elizabeth Captain  
Thesis: "Non-thermal Interactions on Low-temperature Ice and Aqueous Interfaces"  
Advisor: Dr. Thomas Orlando

Amy Meyers  
Thesis: "The Design and Synthesis of Metal-functionalized Poly(norbornenes) for Potential Use in Light-emitting Diodes"  
Advisor: Dr. Marcus Weck

Radha Narayanan  
Thesis: "Shape-dependent Nanocatalysis and the Effect of Catalysis on the Shape and Size of Colloidal Metal Nanoparticles"  
Advisor: Dr. Mostafa A. El-Sayed

Satish Prakash Nayak  
Thesis: "Design, Synthesis, and Characterization of Multiresponsive Microgels"  
Advisor: Dr. L. Andrew Lyon

Christine Marie Nolan  
Thesis: "Microgel-based Materials for Controlled Macromolecule Delivery"  
Advisor: Dr. L. Andrew Lyon

Joshua S. Sasine  
Thesis: "Nanocapsules: Calix[4]arene Derivatives that Self-assemble Through Ionic Interactions in Polar Solvents"  
Advisor: Dr. Suzanne B. Shuker

Tamas Varga  
Thesis: "Synthesis and Characterization of Some Low and Negative Thermal Expansion Materials"  
Advisor: Dr. Angus P. Wilkinson

Jie Zheng  
Thesis: "Fluorescent Noble Metal Nanoclusters"  
Advisor: Dr. Robert M. Dickson

***Doctor of Philosophy  
Materials Science and  
Engineering***

Monique Sandra McIntosh  
Thesis: "Mechanisms and Factors Affecting Chromium Oxide Particle Reduction in Iron-Chromium Honeycombs"  
Advisor: Dr. Thomas H. Sanders

***Doctor of Philosophy  
Textile Engineering***

Lulu Song  
Thesis: "Study of Ordered Macroporous Polymer Films by Templating Breath Figures"  
Advisor: Dr. Mohan Srinivasarao

Walter Philip Watson  
Thesis: "Hybrid Macrocycles for Supramolecular Assemblies"  
Advisor: Dr. Haskell W. Beckham

***Doctor of Philosophy  
Industrial Engineering***

Na An  
Thesis: "Resource Modeling and Allocation in Competitive Systems"  
Advisor: Dr. Wedad J. Elmaghraby

Claudia F. Antonini  
Thesis: "Folded Variance Estimators for Stationary Time Series"  
Advisor: Dr. David Goldsman

Li Wei Daniel Bai  
Thesis: "Inventory Control and Demand Distribution Characterization"  
Advisor: Dr. Kwok-Leung Tsui



Karin Boonlertvanich  
Thesis: "Extended-CON-  
WIP-Kenban System:  
Control and Performance  
Analysis"  
Advisor: Dr. Chen Zhou

Myun-Seok Cheon  
Thesis: "Global  
Optimization of  
Monotonic Programs:  
Applications in  
Polynomial and  
Stochastic  
Programming"  
Advisor: Dr. Faiz  
A. Al-Khayyal

Maurice Avrum Garfinkel  
Thesis: "Minimizing  
Multi-zone Orders in  
the Correlated Storage  
Assignment Problem"  
Advisor: Dr. Gunter  
P. Sharp

Seung-June Hwang  
Thesis: "Inventory  
Constrained Maritime  
Routing and Scheduling  
for Multi-commodity  
Liquid Bulk"  
Advisor: Dr. Faiz  
A. Al-Khayyal

Seoung Bum Kim  
Thesis: "Data Mining  
in Tree-based Models  
and Large-scale  
Contingency Tables"  
Advisor: Dr. Kwok-  
Leung Tsui

Yun Fong Lim  
Thesis: "Some  
Generalizations of Bucket  
Brigade Assembly Lines"  
Advisor: Dr. John  
J. Bartholdi

Yongro Park  
Thesis: "A Statistical  
Process Control  
Approach for Network  
Intrusion Detection"  
Advisor: Dr. Kwok-  
Leung Tsui

Bin Shi  
Thesis: "Multiscale  
Statistical Analysis of  
Self-similar  
Processes with  
Applications in  
Geophysics and  
Health Informatics"  
Advisor: Dr. Branislav  
Vidakovic

Hee Jung Sim  
Thesis: "Strategic  
Capacity Investment  
with Partial Reversibility  
under Uncertain  
Economic Condition  
and Oligopolistic  
Competition"  
Advisor: Dr. Shijie Deng

Brian K. Sperling  
Thesis: "Information  
Distribution in Complex  
Systems to Improve  
Team Performance"  
Advisor: Dr. Amy  
R. Pritchett

***Doctor of Philosophy  
Aerospace Engineering***

Hongmei Chen  
Thesis: "A Multi-scale  
Forecasting Methodology  
for Power Plant Fleet  
Management"  
Advisor: Dr. Dimitrios  
N. Mavris

Gregory A. Dukeman  
Thesis: "Closed-loop  
Nominal and Abort  
Atmospheric Ascent  
Guidance for Rocket-  
powered Launch  
Vehicles"  
Advisor: Dr. Anthony  
J. Calise

Robert Rudolph Erickson  
Thesis: "A Numerical  
Investigation on the  
Influence of Engine  
Shape and Mixing  
Processes on Wave  
Engine Performance"  
Advisor: Dr. Ben T. Zinn

Andrew P. Frits  
Thesis: "Formulation  
of an Integrated Robust  
Design and Tactics  
Optimization Process  
for Undersea Weapon  
Systems"  
Advisor: Dr. Dimitrios  
N. Mavris

Jung-Ho Lewe  
Thesis: "An Integrated  
Decision-making Frame-  
work for Transportation  
Architectures: Application  
to Aviation Systems  
Design"  
Advisor: Dr. Daniel  
P. Schrage

Sriram K. Rallabhandi  
Thesis: "Sonic Boom  
Minimization through  
Vehicle Shape  
Optimization and  
Probabilistic Acoustic  
Propagation"  
Advisor: Dr. Dimitrios  
N. Mavris

Shuyi Xu  
Thesis: "Turbulent Mixing  
of Passive Scalars at High  
Schmidt Number"  
Advisor: Dr. Pui-Kuen  
Yeung

Yongjun Zhao  
Thesis: "An Integrated  
Framework for Gas  
Turbine-based Power  
Plant Operational  
Modeling and  
Optimization"  
Advisor: Dr. Dimitrios  
N. Mavris

***Doctor of Philosophy  
Chemical Engineering***

Luis Felipe Aguilar  
Thesis: "Development of  
Sulfur Tolerant Materials  
for the Hydrogen Sulfide  
Solid Oxide Fuel Cell"  
Advisor: Dr. Jack  
Winnick



Matthew L. Brown  
Thesis: "Dynamics of Rigid Fibers in a Planar Converging Channel"  
Advisor: Dr. Cyrus K. Aidun

Gregory Michael Fike  
Thesis: "Determination of Polymer Film Development through Surface Characterization Studies"  
Advisor: Dr. Sujit Banerjee

Gary Dean Gray Jr.  
Thesis: "Design, Modeling, and Testing of High-performance RF Bistable Magnetic Actuators"  
Advisor: Dr. Paul A. Kohl

Niket S. Kaisare  
Thesis: "Modeling, Analysis, and Control of Nonlinear Switching Systems"  
Advisor: Dr. Jay H. Lee

Hollie Anne Kelleher  
Thesis: "Air Gaps via Thermally Decomposable Polymers and Their Application to Compliant Wafer-level Packaging (CWLP)"  
Advisor: Dr. Paul A. Kohl

Michael Wayne McKittrick  
Thesis: "Single-site Olefin Polymerization Catalysts via the Molecular Design of Porous Silica"  
Advisor: Dr. Christopher W. Jones

Joseph Vu Nguyen  
Thesis: "Design, Synthesis, and Optimization of Recoverable and Recyclable Silica-immobilized Atom Transfer Radical Polymerization Catalysts"  
Advisor: Dr. Christopher W. Jones

Christopher Lee Timmons  
Thesis: "Fluorocarbon Post-etch Residue Removal Using Radical Anion Chemistry"  
Advisor: Dr. Dennis W. Hess

Sudeep Vaswani  
Thesis: "Surface Modification of Paper and Cellulose Using Plasma-enhanced Chemical Vapor Deposition Employing Fluorocarbon Precursors"  
Advisor: Dr. Dennis W. Hess

***Doctor of Philosophy  
Civil Engineering***

Malek Moh'd Abu-Rumman  
Thesis: "Conjunctive Management of Surface Water and Groundwater Resources"  
Advisor: Dr. Aris P. Georgakakos

Bassem Onsi Andrawes  
Thesis: "Siesmic Response and Analysis of Multiple Frame Bridges Using Superelastic Shape Memory Alloys"  
Advisor: Dr. Reginald DesRoches

Anne Elizabeth Dunning  
Thesis: "Transit for National Parks and Gateway Communities: Impacts and Guidance"  
Advisor: Dr. Michael D. Meyer

Ozgur Kurc  
Thesis: "A Substructure-based Parallel Solution Framework for Solving Linear Structural Systems with Multiple Loading Conditions"  
Advisor: Dr. Kenneth M. Will

Jennifer Harper Ogle  
Thesis: "Quantitative Assessment of Driver Speed Behavior Using Instrumented Vehicles"  
Advisor: Dr. Karen K. Dixon

Zeynep Bade Sozer  
Thesis: "Two-dimensional Characterization of Topographies of Geomaterial Particles and Surfaces"  
Advisor: Dr. James D. Frost

Maria Patricia Thaesler-Garibaldi  
Thesis: "A Methodology to Develop an Integrated Engineering System to Estimate Quantities for Bridge Repairs at the Pre-design Stage"  
Advisor: Dr. Rita A. Oberle

***Doctor of Philosophy  
Electrical and Computer Engineering***

Christopher Vincent Alvino  
Thesis: "Multiscale Active Control Methods in Computer Vision with Applications in Tomography"  
Advisor: Dr. Anthony Yezzi

Volkan Cevher  
Thesis: "A Bayesian Framework for Target Tracking Using Acoustic and Image Measurements"  
Advisor: Dr. James H. McClellan

Ravi Chawla  
Thesis: "Power Efficient Analog Systems to Perform Signal Processing using Floating-gate MOS Device for Portable Applications"  
Advisor: Dr. Paul E. Hasler



- Elizabeth Chesnutt  
Thesis: "Novel Turbo Equalization Methods for the Magnetic Recording Channel"  
Advisor: Dr. John R. Barry
- Yuvraj Singh Dhillon  
Thesis: "Hierarchical Optimization of Digital CMOS Circuits for Power, Performance, and Reliability"  
Advisor: Dr. Abhijit Chatterjee
- Abdulkadir Utku Diril  
Thesis: "Circuit-level Techniques for Power and Reliability Optimization of CMOS Logic"  
Advisor: Dr. Abhijit Chatterjee
- Thayne Lowell Edwards  
Thesis: "Microfabricated Acoustic and Thermal Field-flow Fractionation Systems"  
Advisor: Dr. Albert B. Frazier
- Majid Fozunbal  
Thesis: "Coding and Information Theoretic Aspects of Multiple Antenna Communication Systems"  
Advisor: Dr. Ronald W. Schafer
- Ana Elisa P. Goulart  
Thesis: "Signaling Architectures for the Interaction of the Session Initiation Protocol and Quality of Service for Internet Multimedia Applications"  
Advisor: Dr. Randal T. Abler
- Mark S. Hooper  
Thesis: "Submicron CMOS Programmable Analog Floating-gate Circuits and Arrays Using DC-DC Converters"  
Advisor: Dr. Paul E. Hasler
- Xianghui Huang  
Thesis: "Diagnostics of Air Gap Eccentricity in Closed-loop Drive-connected Induction Motors"  
Advisor: Dr. Thomas G. Habetler
- Jongmyon Kim  
Thesis: "Architectural Enhancements for Color Image and Video Processing on Embedded Systems"  
Advisor: Dr. Donald S. Wills
- Taehyun Kim  
Thesis: "Scalable Video Streaming over the Internet"  
Advisor: Dr. Mostafa H. Ammar
- Venkatesh Krishnan  
Thesis: "A Framework for Low Bit-rate Speech Coding in Noisy Environment"  
Advisor: Dr. David V. Anderson
- Matthew Edmund Lee  
Thesis: "Acoustic Models for the Analysis and Synthesis of the Singing Voice"  
Advisor: Dr. Mark A. Clements
- Qingqing Liang  
Thesis: "Systematic Analysis and Optimization of Broadband Noise and Linearity in Silicon Germanium Heterojunction Bipolar Transistors"  
Advisor: Dr. John D. Cressler
- Moonkyun Maeng  
Thesis: "Combined Digital/Wireless Link over the Multi-mode Fiber with VCSEL Using CMOS-based Feedforward Equalizer"  
Advisor: Dr. Joy Laskar
- Priscilla Naseem  
Mohammed  
Thesis: "Laboratory Measurements of the Millimeter Wavelength Opacity of Phosphine (PH<sub>3</sub>) and Ammonia (NH<sub>3</sub>) under Simulated Conditions for the Cassini-Saturn Encounter"  
Advisor: Dr. Paul G. Steffes
- Carole Claudette Montarou  
Thesis: "Low-level Birefringence Measurement Methods Applied to the Characterization of Optical Fibers and Interconnects"  
Advisor: Dr. Thomas K. Gaylord
- Steven Paul Nugent  
Thesis: "A Second-generation Generic Systems Simulator (GENESYS) for a Gigascale System-on-a-Chip (SoC)"  
Advisor: Dr. James D. Meindl



Kaveh Shakeri  
Thesis: "Power  
Distribution in Gigascale  
Integration (GSI)"  
Advisor: Dr. James  
D. Meindl

Nuttapong Srirattana  
Thesis: "High-efficiency  
Linear RF Power  
Amplifiers Development"  
Advisor: Dr. Phillip  
E. Allen

Yudong Tan  
Thesis: "Cache Design  
and Timing Analysis  
for Preemptive Multi-  
tasking Real-time  
Uniprocessor Systems"  
Advisor: Dr. Vincent  
J. Mooney

Wangmyong Woo  
Thesis: "Hybrid  
Digital/RF Envelope  
Predistortion  
Linearization for High-  
power Amplifiers in  
Wireless  
Communication  
Systems"  
Advisor: Dr. James  
S. Kenney

HeeJong Yoo  
Thesis: "Low-power  
Audio Input  
Enhancements for  
Portable Devices"  
Advisor: Dr. David  
V. Anderson

Guangfan Zhang  
Thesis: "Optimum  
Sensor Localization/  
Selection in a  
Diagnostic/Prognostic  
Architecture"  
Advisor: Dr. George  
Vachtsevanos

Yingchuan Zhang  
Thesis: "Product Quality  
Modeling and Control  
Based on Vision  
Inspection with an  
Application to Baking  
Processes"  
Advisor: Dr. Bonnie  
S. Heck

***Doctor of Philosophy  
Nuclear and Radiological  
Engineering***

Dingkang Zhang  
Thesis: "Neutral Particle  
Transport in Plasma  
Edge Using  
Transmission/Escape  
Probability (TEP)  
Method"  
Advisor: Dr. Weston  
M. Stacey

***Doctor of Philosophy  
Mechanical Engineering***

Matthew Scott Allen  
Thesis: "Global and  
Multi-input-Multi-  
output Extensions to the  
Algorithm of Mode  
Isolation"  
Advisor: Dr. Jerry  
H. Ginsberg

Erika A. Ooten Biediger  
Thesis: "Vibration  
Reduction Using  
Command Generation  
in Formation Flying  
Satellites"  
Advisor: Dr. William  
E. Singhose

Jian Ding  
Thesis: "Fast Boundary  
Element Method  
Solutions for Three-  
dimensional, Large-scale  
Problems"  
Advisor: Dr. Wenjing Ye

Samuel Glen Durbin II  
Thesis: "Dynamics and  
Free-surface Geometry  
of Turbulent Liquid  
Sheets"  
Advisor: Dr. Minami Yoda

Tracie L. Durbin  
Thesis: "Modeling  
Dissolution in  
Aluminum Alloys"  
Advisor: Dr. G. P. Neitzel

Dathan Shane Erdahl  
Thesis: "Microelectronic  
Device Inspection  
System Implementation  
and Modeling for Flip  
Chips and Multi-layer  
Ceramic Capacitors"  
Advisor: Dr. Ifeanyi  
C. Ume

Mark Horner Holdhusen  
Thesis: "The State-  
switched Absorber  
Used for Vibration  
Control of Continuous  
Systems"  
Advisor: Dr. Kenneth  
A. Cunefare

Ryan William Johnson  
Thesis: "Process  
Development for the  
Manufacture of an  
Integrated Dispenser  
Cathode Assembly  
Using Laser Chemical  
Vapor Deposition"  
Advisor: Dr. W. J. Lackey

Nathaniel Ray Morgan  
Thesis: "A New Liquid-  
Vapor Phase Transition  
Technique for the Level  
Set Method"  
Advisor: Dr. Marc  
K. Smith

Gregorio Roberto Murtagian  
Thesis: "Surface Integrity  
on Grinding of Gamma  
Titanium Aluminum  
Intermetallic  
Compounds"  
Advisor: Dr. Steven  
Danyluk



Sum Huan Ng

Thesis: "Measurement  
and Modeling of Fluid  
Pressures in Chemical  
Mechanical Polishing"

Advisor: Dr. Steven  
Danyluk

Michael James Robertson

Thesis: "Command  
Generation for Tethered  
Satellite Systems"

Advisor: Dr. William  
E. Singhose

Philippe Sucusky

Thesis: "Flow  
Characterization and  
Modeling of Cartilage  
Development in a  
Spinner-flask Bioreactor"

Advisor: Dr. G. P. Neitzel

Lawrence Joseph Tognetti

Thesis: "Improved  
Design and Performance  
of Haptic Two-port  
Networks"

Advisor: Dr. Wayne  
J. Book



# *Master's Degree Recipients*

## Master of Science

Mohamed Abdelfattah  
Ismael Abdelhafez  
*Electrical and Computer  
Engineering*

Sena Ameko Apewokin  
*Mechanical Engineering*

John Eric Atwood  
*Environmental Engineering*

David Paul Aucoin Jr.  
*Civil Engineering*

Benjamin D. Bellows  
*Aerospace Engineering*

Demet Bezmez  
*Management*

Joy Danielle Brathwaite  
*Economics*

Evan Charles Caylor  
*Management*

Edwin C. Centeno-Jimenez  
*Environmental Engineering*

Uttam Kumar Chakravarty  
*Aerospace Engineering*

Paul-Antoine Maurice  
Chartrain  
*Management*

Chorng-Yow Chen  
*Aerospace Engineering*

Zesheng Chen  
*Electrical and Computer  
Engineering*

Jeffrey John Cissell  
*Aerospace Engineering*

Christelle Marie Cuenin  
*Management*

David Alexander D'Onofrio  
*Earth and Atmospheric  
Sciences*

Etienne Jean Dufour  
*Mechanical Engineering*

Sean Wesley Fankhauser  
*Earth and Atmospheric  
Sciences*

Jonathan Thomas Fornuff  
*Aerospace Engineering*

Marcio Fuzeto Gameiro  
*Electrical and Computer  
Engineering*

Nicolas Pierre Giel  
*Management*

Tomohiro Higaki  
*Aerospace Engineering*

Carissa Dawn Howard  
*Earth and Atmospheric  
Sciences*

Mark Richard Hunkele  
*Aerospace Engineering*

Swati Jain  
*Electrical and Computer  
Engineering*

Ole Christian Jakobsen  
*Aerospace Engineering*

Jun Jian  
*Earth and Atmospheric  
Sciences*

Chandra Mohan Kankanala  
*Aerospace Engineering*

Ikroop Kaur  
*Civil Engineering*

Kristin Maureen Kelly  
*Aerospace Engineering*

Dong Keon Kim  
*Civil Engineering*

Benjamin J. King  
*Materials Science  
and Engineering*

Yongjae Lee  
*Architecture*

Ana Isabel Martin  
*Civil Engineering*

Julien Metz  
*Management*

Michael Michaux  
*Economics*

Abhilasha Mittal  
*Electrical and Computer  
Engineering*

Amit Mohan  
*Electrical and Computer  
Engineering*

Gwangseok Na  
*Civil Engineering*

Nisarga Niranjana Naik  
*Electrical and Computer  
Engineering*

Kenta Nakayashiki  
*Electrical and Computer  
Engineering*

John Dewey Nelson  
*Environmental Engineering*

Richard Edward Otero  
*Aerospace Engineering*

Bevin George Perumana  
*Electrical and Computer  
Engineering*

Arup Polley  
*Electrical and Computer  
Engineering*

Ragini Potluri  
*Aerospace Engineering*

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*Aerospace Engineering*

Mina Raieszadeh  
*Electrical and Computer  
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*Environmental Engineering*

Saikat Sarkar  
*Electrical and Computer  
Engineering*

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*Architecture*

Michael Patrick Schoenfeld  
*Aerospace Engineering*

Thomas Martin Schweizer  
*Electrical and Computer  
Engineering*

John Vinod Sebastian  
*Aerospace Engineering*

Deepak Chandra Sekar  
*Electrical and Computer  
Engineering*

Rosa Sohn  
*Environmental Engineering*

Agnivesh Tomar  
*Mechanical Engineering*

Becky Sue Upchurch  
*Electrical and Computer  
Engineering*

Aravind Velayutham  
*Electrical and Computer  
Engineering*

Badri N. Vellambi-Ravisankar  
*Electrical and Computer  
Engineering*

Katherine Signs Wade  
*Environmental Engineering*

Latrice Danette Watkins  
*Architecture*

James Matthew White  
*Electrical and Computer  
Engineering*

Daniel Reff Zentner  
*Aerospace Engineering*

***Master of Science in Paper  
Science Engineering***

Ryan J. Coda  
Enrique Michel-Sanchez

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

Rohan Kevin D'sa  
Yi He  
Seyhmus Inci  
Raj Ramesh Makhija  
Andres Hernan Sercovich  
Haibin Sun  
Hongbiao Sun  
Matthew Scott Whitmore  
Jiansheng Wu  
Yanwu Yin

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

Parth Pradip Bhawalkar  
Gina Marie Calcaterra  
Casey Lynn Fiesler  
Punit Kumar Gupta  
Robert J. Hamburger  
Jennifer Nicole Harris  
Tzu-Wei J. Hsu  
Lee Inman-Farabaugh  
Rachel Lee Knickmeyer  
Jae Min Lee  
SeungYon Lee  
David William McColgin  
Marcela Christina Musgrove  
Amanda Jane Nance  
Hemanshu Narsana  
Marleigh I. Norton  
Olufemi Olumoko  
Violeta Ostojic  
Kevin Demshok Stamper

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in Bioengineering***

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Weimin Feng  
Crystal Marie Gilpin  
Shevon Elizabeth Johnson  
Veerdhaval Vijay Mahajan  
Mamta Jashvantlal Patel  
Dennis Dam Soerensen  
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Information Security***

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Duc Quang Ngo  
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Alan S. Tu  
Ryan Andrew Wakeham  
Fan Yang

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Computer Science***

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Gavin M. Bell  
Xuehai Bian  
Victor Bigio  
Zhongtang Cai  
Gaurav Chanda  
Subramanyam B. Chitti  
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Ryan Scott Collins  
Jagrut Durdant Dave  
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Eric Russell Dodson  
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Ram Kumar Gandhapuneni  
Lamar Michael Gardere  
Christina Marie Gardner  
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John William Hable  
Abrar Ul Haque  
Seyed Hamed Hashemi  
David Byron Hilley  
Chad Marcus Huneycutt  
Byungmoon Kim  
Dong-Shin Kim  
Mohamed Kone  
Christopher Verton Lenfest  
Feng Li  
Zhao Li  
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Collin Jethro Lobb  
Steven Witter Marlowe  
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Gaurav Sharma  
 Jesse Shieh  
 Sowmya Shriraghavan  
 Christopher Evan Skeels  
 Cody Uriah Spencer  
 Jie Sun  
 Srikanth Sundaragopalan  
 Aarjav Jyotindra Trivedi  
 R. Brooks Van Horn III  
 Tracy Lee Westeyn  
 Jason Maurice Williams  
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 Yi Zhang  
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 in International Affairs***

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 Paige Bonaventure DePetro  
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 Brooks Alan Keene  
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 Omer M. Khan  
 Gouk Tae Kim  
 Nikhil Vasant Kulkarni  
 Ryan Allen Ricks  
 Robert G. Rolling  
 Sanaz Sayfi  
 Atal Jason Sharif  
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***Master of Science  
 in Information Design  
 and Technology***

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 Banaszewski  
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 Engin Erdogan  
 Lakshmi Elizabeth  
 Jayapalan

Abhishek Kumar  
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 Nathanael Hsien-Ern Ng  
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 Alcides A. Velasquez  
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***Master of Science  
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 in Public Policy***

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 Lemuella Chuku-Nwellun  
 Logan  
 Sandra Michelle  
 Shackelford  
 Anupit Supnithadnaporn  
 Shameekia Dion  
 Towles-Carroll  
 Allison Marie Yasitis

***Master of Industrial Design***

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 Taro Astor Walcott

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 Grant John Cameron  
 Bryan Hale Cates  
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 Robert Alexander Frankson  
 Renee Lynn Hartley  
 Christopher Charles Hauck  
 Kelly Aileen Henry  
 Stacy Renee Hohimer  
 Sarah Elizabeth Hoke  
 Amy Wei-Yu Hsu  
 Zhya David Jacobs  
 Asa Taylor Martin  
 Madelaine Rose Mayer  
 Erika Leigh Morgan  
 Marco Anthony Nicotera  
 Amanda Bauer Orr  
 Alan Maxwell Overton  
 Michael Newton Phillips  
 Rajiv Anil Pinto  
 Huzefa Saifuddin Rangwala  
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 Brock Landon Rossel  
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 Asheley Cecille Scott  
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 Nandita Vyas

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 Yeojin Choi  
 Won Jai Chung  
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 Colin Michael Cortes  
 Todd Browning Delk  
 Wendy Elizabeth Dyson  
 Adembesa Gusa  
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Ikroop Kaur  
Jonathan David Kearley  
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Holly Katherine Shiver  
Betts Simmons Slingluff III  
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Margaret Helen Stallings  
Daniel Jerry Studdard  
Leigh Ann Valletti  
Nancy Johnson Walsh  
Patrick Carrick Wolfe  
Megha Deshpande Young

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Nargiza Asanbaeva  
Nicholas Jay Ayres  
Edward Baiden  
Brian I. Barnett  
Tracey Lynne Barton  
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Julian David Beck  
Lisa Janet Black  
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Nathan Maxie Burns  
Safiya Najah Cathey  
Manjula Chakrapani  
Anup Mysore  
Chandrakeerthi  
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Carrie Louise Coker  
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Pierre Louis Gerard DeBois  
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Martins  
Daniel Roland Dyke  
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Stephen Andrew Hinman  
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Jeffrey Richard Smith  
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Justin Tzu-Tin Tsai  
. Vivek  
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Ying Wang  
John Robert Madison  
Warren  
Samuel Aaron Weisz  
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**Master of Science  
in Prosthetics and Orthotics**

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Arthur Joseph Koblasz  
Sarah Ruth Parsons  
Andrew Blair Sawers  
Richard Ira Welling Jr.

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

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Gabriel John Hebert  
Kimberly Elizabeth Kubera  
Dana Marie Long  
Yan Zhang

**Master of Science  
in Psychology**

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Nathan Allen Parks  
Stacey Draisin Wolman  
Jesse S. Zolna

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in Bioinformatics**

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Pushkar Shrikant Mukewar  
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Berglund  
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Erica Beth Kohr  
Patricia Cecilia Pichardo  
Hernandez  
Rong Song  
Jiang Xiao  
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**Master of Science in Physics**

Sanjay Kumar Bidasaria  
Serkan Dursun  
Shau-Yu Lan  
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Kristan Tiana McGresham  
Tyson Robert Shepherd  
Evangelos Siminos  
Yaguang Wei

**Master of Science  
in Chemistry**

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Thomas Roland Caulfield  
Prashant K. Jain  
Huijing Jiang  
Kelly Viretta Lancaster  
Alexis Theresa Robinson  
Ekaterina Viktorovna  
Sevostyanova  
Francis Benjamin Swain

**Master of Science  
in Biomedical Engineering**

Beth Michelle Boulden  
Lola A. Brown

**Master of Science  
in International Logistics**

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Kelly Joseph Blair  
Timothy Ray Blevins  
Matthew Mark Casbolt  
Heidi Angela Cerrud  
Rick Delapaz  
Todd Richard Ericksrud

Roger Allen Finney  
Joaquin A. Gil Del Real  
Omar Gonzalez-Pardo  
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Clarence A. Ingram  
Eric L. Johnson  
Esteban T. Luengo  
John R. Mabe  
Edmond Elisha Marsh  
Daryl Edward Mickley  
Patricia Morgan  
Tony L. Newell  
Joshua Matthew Owen  
Keith D. Radcliff  
Sherry Lynn Teague  
Sarbani Bublun  
Thakur-Weigold  
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James Christopher Williams  
Andrew Richard Zysk

**Master of Science  
in Health Systems**

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Brathwaite  
Jennifer Brooke Classen  
Shamsuddin Jiwani

**Master of Science  
in Operations Research**

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Yi He  
Sebastien Pierre Joly  
Jung-Kyung Kim  
Bon Seok Koo  
Min Gyu Lee  
David Paul Lewis  
Alan Jason Michaels  
Jason Augustus Miseli  
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Scott Daniel Ostrowski  
Patricia Cecilia Pichardo-  
Hernandez  
Jose Miguel Quesada-Perez  
Jin Shi  
Heather Anne Stevenson  
Ramakrishna Thiruveedhi

**Master of Science in  
Industrial Engineering**

Marcia E. Archibald  
Niranjan Vivek Aroskar  
Cristian Enrique Avendano  
Christopher Lawrence  
Ballard  
Meenakshi Sundram  
Chokkalingam  
Wilson Ken Clemons  
Nupur Ravindra Dave  
Juliana Andrea Davila-  
Suarez  
Matthew John Drake  
Oscar Escobedo Franco  
Neha Jitendra Gandhi  
Luis Enrique Herrera  
David Michael Hood  
Sebastian Kleinau  
Sung-Jun Kong  
Jin Lai  
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Melike Meterelliyo  
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Michele Lane Parker  
Pelin Pekgun  
Sheng-Chang Peng  
Margarita Protopappa  
Shengli Qiu  
Francisco E. Querol-  
Martinez  
Morton Judson Savelle IV  
Martin Christopher Smith  
Puneet Taneja  
Jessica Lynn Walden

**Master of Science in  
Aerospace Engineering**

Kristina Alemany  
Thomas Bradley Apker  
Kaushik Balakrishnan  
Michael Ale Baldwin  
Adam Michael Belles  
Mohan Krishna Bobba  
Cesar A. Carrillo  
Radu Cazan  
Matthew Lawrence Cheplak  
Jeronimo Jose Andres  
Chiecchio  
Luke Stalder Colby  
Bjorn Forstrom Cole  
Manuj Dhingra  
Jonathan David Dingman  
Danail Tzetzov Douchkin  
Augustin Dudas



Atri Dutta  
 Mikhail Dvilyanski  
 Stefano Gonella  
 Jaecheol Kim  
 Devin Matthew Kipp  
 Adrian Alois Koller  
 Vicente Ven Bond Lai  
 Sang Il Lee  
 Kriangsiri Malasri  
 James Michael Matthews  
 Arvind Nagarajan  
 Ravi Prakash  
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 Ricordeau  
 Luca Riviello  
 John Charles Robichaux Jr.  
 Michael Benjamin Simpson  
 Yalcin Faik Sumer  
 Ho-Joon Sung  
 Joseph F. Sweger  
 Kohei Taya  
 Bryan Douglas Tisinger  
 Julide Julie Topsakal  
 Thao Thi Tran  
 Yoko Watanabe  
 James Jay Young

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

Udita Satish Adurkar  
 Abhiruchi Agarwal  
 Krishna Satyasree Rama  
 Cherukuri  
 Rupak Das  
 Teag Richard Haughan  
 Joy Melissa Justice  
 Nitesh Kumbhat  
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 David Craig Maybury  
 Michael Robert Middlemas  
 Helene Sylvia Rick  
 John Henry Riley  
 Laura Tegethoff Schoenbeck  
 Abhishek Sai Sivapurapu  
 Michael Solimando  
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***Master of Science in  
 Chemical Engineering***

Akua Asabea Asa-Awuku  
 Matthew L. Brown  
 James Richard Carleton

Karla Ann Dennis  
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 Fountoukis  
 Shikha Jain  
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 Ryan Patrick Slopek  
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***Master of Science in  
 Environmental Engineering***

Christopher John Berry  
 Jason Kenneth Check  
 Charley Ramsey Johnson  
 Saurabh Marda  
 Edward Archibald  
 McCallum  
 Grant Thomas Michalski  
 Jeremy Shawn Noonan  
 Piti Piyachaturawat  
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 Ambarish Vaidyanathan  
 HanBae Yang

***Master of Science  
 in Civil Engineering***

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 Evan A. Bennett  
 Scott Robinson Canfield  
 Jennifer Ann Cooper  
 James Benjamin Deaton  
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 Joel Christopher Gordon  
 Robert Anthony Haines  
 Christopher M. Hines  
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 Timothy Marshall  
 Montgomery  
 Giovanna Elizabeth Morris  
 Martin Neyer  
 Cristina C. Pastore  
 Bradley William Penar  
 Alyssa Summer Phaneuf  
 Craig Nicholas Ramsey  
 Joshua Lee Robinson  
 Kellie Susanne Sak

Kevin Jackson Smith  
 Laura Marie Spencer  
 Sheng-Te Tsai

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 in Electrical and  
 Computer Engineering***

Nicolas Adrian  
 Ishwar Agarwal  
 Adnan Ahmed  
 Nicolas Aldegheri  
 Ragad Amin Al-Huq  
 Daniel Jackson Allred  
 Kettina Ang  
 Jean-Baptiste Artaud  
 Laetitia Astolfi  
 Qaiser Shehzad Awan  
 Shilo Ayalon  
 Paul Henri Charles Baize  
 Robert John Baxley  
 Joseph Thomas Benin  
 Milind Anil Borkar  
 Alexandre Bosselin  
 Yannick Boye  
 Vincent Raymond Braley  
 Thomas Paul Callis  
 Alexander Gilman Carver  
 Jean-Francois Chargois  
 Irene Dershin Chow  
 Robert Joseph Cole  
 Arthur Denis Paul Cottrel  
 Alaric Rionne Craig  
 Francois Crollet  
 Alice Cumont  
 Samir Kumar Das  
 Guillaume de La Gorce  
 Arnaud Defrance  
 Nicolas Defrance  
 Gerald Reuben DeJean  
 Arnaud Deloumeau  
 Jason Herbert Dixon  
 Guillaume Djololian  
 Cyril du Bois de Maquille  
 Laurent Duflo  
 Christopher J. Durkin  
 Arnaud Dybiak  
 Daniel Roland Dyke  
 Chirag Nitin Gandhi  
 Christele Garlandezec  
 Benoit Gouin  
 Jeffrey Scott Gribshaw  
 Joshua David Griffin  
 Rutchanee Gullayanon  
 Shalini Gupta  
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 Jean-Chafic Hays  
 Raphael Herve  
 John Anthony Himmelein  
 Charles Thomas Hume  
 Yoann Jacquet  
 Aarron D. Johansen  
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 Akshay Vijay Kerkar  
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 Heather Elizabeth Luman  
 Ashraf Muhammad Majid  
 Nathan Gardner Massey  
 Dhairya Rajesh Mehta  
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 Mustansir Moiz  
     Pratagarhwala  
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 Mahboob Ahsan Quadri  
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 Jeremy Thomas Reed  
 Frederic Rene  
 Ryan Wayne Robucci  
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 Michael Patrick Rowland  
 Ravikrishna V. Ruddaraju  
 Antoine Schweitzer-Chaput  
 Orman Geoffrey Shofner  
 Olivia Signoret  
 Raghav Ranjit Singh  
 Jonathan Page Siplon  
 Michael Charles Slama  
 Kartik Sundar  
 Nafeez Bin Taher  
 Landry Sa Shina Tientcheu  
 Gabriel Vaisbrot  
 Rafael Olivier Vinit  
 Adrien Raphael Vuillerme  
 Christopher Alex Wiczorek  
 Ranit Windlass  
 David Thomas Wooden

**Master of Science  
in Mechanical Engineering**

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 Jeffrey William Badertscher  
 David Cartier Beaulieu  
 Francois Black  
 Jacob Michael Brand  
 Lyle Eric Breaux  
 Brian D. Carmichael  
 Joel Grant Cassell  
 Adam Paul Christensen  
 Daniel Justin Cox  
 Amit Mohanlal Dalsania  
 Jeffrey Steven Davies  
 Matthew Delos Determan  
 Nguyen Ba Do  
 Christopher Paul Domingos  
 Scott Crawford Driscoll  
 Timothy Craig Ernst  
 Tina Marie Famighetti  
 Paul Martin Fathauer  
 Luc Felden  
 Conor James Flannery  
 Mark Daniel Gertrudes  
 William Wyly Gilfoil  
 Jason C. Gilliam  
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 Andrew Paul Greif  
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 Ian Spencer Harrison  
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 Scott Lucas Herdic  
 Thomas Arthur Holst  
 Supat Ieamsupapong  
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 Junhyck Kim  
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 Rakesh Suresh Kulkarni  
 Martin S. Kurnadi  
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 Robbie Don Ludlow  
 Richard J. Malak Jr.  
 Lehel Anthony Marozsan  
 Russell Kenneth Marzette Jr.  
 Larry K. McCarthy  
 Jeffrey James Mitch  
 Felipe Roman Morales  
 Jonathan Michael Morris

Michael Christopher Muir  
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 Christopher Robert Newlin  
 Chee Keong Ng  
 Nurudeen Oladipupo  
     Olayiwola  
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 Andres Osorno  
 Daniel Osorno  
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 Paul Octavio Rios  
 Audric Saillard  
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     Salamone III  
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 Erich Hans Schlender  
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 Jeffrey Richard Smith  
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 Di Song  
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 David Randolph Spracher  
 Brian Keith Stewart  
 David M. Stobbe  
 Stephen John Terrell  
 Sten-Ove Tullberg  
 Kyle Grant Webber  
 Carrell Elizabeth Weeks  
 Wesley Bryant Williams  
 Scott E. Wilson  
 Tanya Lynn Wright  
 Inho Yoon





# Bachelor's Degree Recipients

## College of Computing

### *Bachelor of Science in Computer Science*

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Jeffrey Streetman Boyles  
Benjamin Bernhard Collins  
Neil Brandon Cutshaw  
Dustin Scott Embrey  
Rebecca L. Fink  
Jason Tucker Fletcher  
Gregory Christopher Garrett  
Prashant Gulati  
Soe Sann Htet  
Priyanka Karan  
Kristopher James Kemper  
Erik Alan Kline  
Alexander Fei Tak Knowles  
Neeraj Kumar  
Kyle William Mahan  
Nishant Ajay Mehta  
Michael Natkovich  
Dung Quang Nguyen  
Nirmal J. Patel  
Sulabh Dilip Patel  
Martin J. Robinson  
Salil Sethi  
Branden Nathaniel Smith  
Nguyen Le Truong  
Aris Vlasakakis  
Matthew James Wren  
Ye Yan

#### *High Honor*

Ji Han Bae  
Peter Lloyd Balderston  
Sujoy Banerjee  
Clinton Patrick Carnahan  
Michael Shiken Chen  
Daniel Charles Duke  
Kayre Michelle Hylton  
Keith Ka Makani Manning  
Jason Dilip Parekh  
Andrew Thomas Pilsch  
Bryan Shaun Rink  
Naomi Ann Roberts  
Alexander James Rudnick  
Spence Wesley Tyner  
Christopher Michael Vincent  
Mark Addison Winham

#### *Honor*

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Zachary Thomas Crowell  
Kyle S. Goodwin  
Anne Rouse Gurley  
Hyuk Myung Ji  
Christopher Lee Limbacher  
John Louis Lyon  
Michael Laurence Meisner  
Nathan J. Owens  
Jeffrey Michael Shaffer  
Szymon Swistun  
Taylor Chamberlin Woll

Brian Douglas Adle  
Arnond Anantachai  
Ali Reza Bahmanyar  
Bryan Clayton Billings  
Nick Black  
Andrew Robert Campbell  
Brad Alan Carroll  
Adam Anthony Chamely  
Vincent Philip Chan  
George Chang  
William Key Clarke  
Jeremy R. Clements  
James David Courtoy  
Ryan Albert Cramer  
William Thomas Culpepper  
Robert William Davis  
Brandon Robert Dement  
Timothy Paul Dorr  
Caleb Alexandre Drake  
Brett Alan Flury  
Brian Michael Gorby  
Boris Goykhman  
Robert Brian Graham  
Paul Michael Guidice  
Michael John Gurley  
Raymond Christopher  
Hamilton  
Matthew Hayes Higgins  
William Matthew Hoffman  
Justin Scott Holzer  
Joey Chaoyu Hwang  
Kevin Anderson Juang  
Leslie-Anne Kubilius  
Daniel S. Lee  
Matthew Price Lindsey  
Erich James Luedtke  
Trevor Jarrod Mann  
Angel Rafael Marrero  
Bryan Richard Massey  
Jordan Irving McKible

Luigi Montanez  
Christopher Daniel Navo  
Ronald K. Ning  
Nathan Edward Padgett  
Noah Christopher Rawlins  
Kirk Edward Roberts  
Jeffrey Walter Rosellen  
Byron Cagle Salazar  
Eric Wayne Savage  
Akash Deepak Shah  
Darrell Landon Sparks  
Brandon Stoneham Stepler  
Joseph Adam Streeky  
James Edward Stremick II  
Kelly Marie Tabler  
Takehiro Takahashi  
Trenton Alan Taylor  
Chelsea Anne Thompson  
Jeremy Caleb Townsend  
Sunil K. Venkataram  
William Daniel Walls  
Charles Joseph Whittington  
Dan McClintic Williams  
Darren Bryant Wilson  
In Jae Yi

### *Bachelor of Science in Computer Science Cooperative Plan*

#### *Highest Honor*

Phillip Hong Chow  
Jerry Del Gaudio  
Michael Grosse  
Huelsewiesche  
Hemal Hemant Shah  
Puja Rani Verma  
Amanda Marie Zielonka

#### *High Honor*

Zaheer Zulfiqar Hooda  
Ankeet Patel  
Troy Council Riberon III  
David Reed Wharton Jr.

#### *Honor*

Irfan Abdul Kassam  
Alexander C. Peterson  
Ian McLarty Turner

Nebo Jacob Abraham  
Samuel Worth Charles  
Timothy Jerome Hardcastle



Jason Michael Hurley  
Michael James Maisano  
Joel Aaron Miller  
John William Scaduto  
Travis Lee Thatcher  
Edward Leoncito Villanueva

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## Ivan Allen College

### *Bachelor of Science in Public Policy*

#### *Highest Honor*

Emily Rice Atkinson  
Katherine Ann Graybeal  
Arthur Burton Seavey  
Allison Marie Yasitis

#### *High Honor*

Lauren M. Walker

#### *Honor*

Sara Elizabeth Deskins  
Michael Lee Handelman  
Jessica Ann Schoepflin

Timothy Lee Atkins  
Alexander Crowley Brunk  
Aaron Edward Rader  
David Daniel Rottmann

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

#### *Highest Honor*

Sarah Rebecca Edwards  
Catherine Mary Hammer

#### *Honor*

Ashley Martin Smith

Erin Lynne Donohoe  
Peter W. Janoe  
Benjamin L. Messer  
Kunal Ashok Patel  
Sean D. Scheideler  
Daniel Wang

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

#### *Highest Honor*

Justin Christopher Kennon  
Nnenna Lynn Okeke  
Benjamin John Tomassetti

#### *High Honor*

Whitney Nicole Hagan  
Andrew Thomas Pilsch  
Nicole Lorren Rateau

#### *Honor*

Christopher Lee Langston

Linnea Alice Knoespel  
Megan Marie Morris  
Kalani Elisabeth Reel  
Kevin Carl Ryan  
John Lee Saddington  
Jessica L. Smith  
Jon Michael Stephens  
M. Brandon Talley  
Courtney Renee Wilson

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

Cooperative Plan

William McCoy Wright

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

#### *Highest Honor*

Elizabeth Askarinam  
Rebecca H. Cocos  
Jesse David Dukes  
Sabrina Hassanali  
Jonathan Mark Laing  
Jennifer Marie Tucker  
Jennifer Tin-Yan Wu

#### *High Honor*

Derrick Todd Hanson  
Kristen Lee Harrison  
Megan M. Salomone  
Miki Anne Tornabene

#### *Honor*

Emily Claire Bushey  
Teresa Jo Richards  
Brittany A. Selden  
Kelsey Keiser Smith  
Ashley Elizabeth Wood

Stephen Matthew Carter  
Becky A. Fernandez  
Sheena Singh  
Jennifer Caroline Steele  
William Samuel Welch

### *Bachelor of Science in International Affairs*

#### *Highest Honor*

Daniel Carroll Amick  
Maria Eleanor Pabalan  
Baccay  
Yevgeny Germanovich  
Kathryn Leigh Grant  
Joseph Parker Huntemann  
Behrouz Kianian  
Su Kim  
Ryan McClanahan  
Noah Vaughn Randolph  
Frances Victoria Ruskin

#### *High Honor*

Meaghan Sarah Bayer  
Lisa Diane Cutting  
Seeta Lakshmi Surapu  
Melissa Joy Wallace

#### *Honor*

I-Chen E. Lin  
Amy Hang-Nguyet Phuong  
William Robinson

Tarun Chaudhary  
Bob Hung-Wei Cheng  
Timothy Patrick Croke  
Matthew Glover Gray  
Nida Hasan  
Shabih Zehra Hasnain  
Jason Wayne Heasley  
Jimmy Eduardo Hernandez  
Jasmina Pacariz  
Eric Brandon Parker  
Peter Samuel Riddett  
Carlos Daniel Roque  
Bryan M. Shaw  
Tracie Diane Watts  
Kevin Wayne Wooster



Ivan Allen College  
Continued

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**Bachelor of Science  
in International Affairs**  
Cooperative Plan

*Highest Honor*  
Kyle Alan Patten

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

Dore Marcelle Madere

**Bachelor of Science  
in Economics**

*Highest Honor*  
Christopher Ian Dobbins  
Therese Christine Fernald

*Honor*  
Micha Chaim Ghertner  
Michael Lee Handelman  
Radhika Nataraj  
Priya Palvia

Jeorry Scolman Balasabas  
Lucas James Doroshenko  
Stephen Anthony James  
Chris Theodore Lafakis  
William George Pop III

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**College of  
Architecture**

**Bachelor of Science**

*Highest Honor*  
Megan Clare Duttonhofer  
Maria Gabriela Semeco  
Jihan Patrice Stanford  
Maria Aphrodite Tiliakos

*High Honor*  
Sirna Prodanova Dimova  
Carol Elizabeth Ford  
Winford Vernon Lindsay III  
C. Jason Mabry  
Armando Villegas Mata  
Rolando Rodriguez  
Joel Abram Rose

*Honor*  
Randall Carter Butts Jr.  
Matthew Zachary Leach  
Justin O'Neal Miller  
Kevin Ray Murphy  
Elizabeth Jean Pedersen  
Stuart John Rees  
Imelda Rose Turner  
Insun Yu

Catherine A. Fitzgerald  
Stella Fleshler  
Mariapilar Gonzalez  
Alissa Corinne  
Hammontree  
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Kacey Joy Huntington  
Alyson Anne Laura  
Evan Patrick Levelle  
Timothy Dennis Maher  
David John Moody  
Sean Patrick Murphy  
Sarah Elizabeth Roland  
John Brandon Sieg  
Rebecca Leigh Underwood  
Vivian Vakili

**Bachelor of Science  
in Building Construction**

*Highest Honor*  
Jon Wesley Buchanan  
Katherine Nell Davis  
Erik Wayne Kandler  
Stephen George Stephenson  
Tahirah Wilson

*High Honor*  
Ira Clay Benoy IV  
Jeffery Mitchell Gardner  
John Wei Liu  
Wei-Lin Sun

*Honor*  
Khalil Umer Abubeker  
Alexandros C. Demestihos  
Benjamin Patrick Gootee  
Krista Ann Hollingsworth  
Bradley Louis Kramer  
Charles Edward Justin  
McKinney  
Brian Alexander Newhouse

Stephanie Marie Brunone  
Olivia Kay Evans  
Erik Nicholas Johnson  
Jacynth Ashley King  
Matthew Michael McHale  
Jennifer Bayless Moore

Arthur Francis Moretti  
Ryan Lee Overall  
Robert Shaw Overstreet  
Adam Hisao Wilson

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

*Highest Honor*  
Craig Phillip Bracken

**Bachelor of Science  
in Industrial Design**

*Highest Honor*  
Scott Thomas Kingston  
Ashbaugh  
Amanda Marie Bumgarner  
Megan Patricia Cahill  
Clay Martin Gienger  
Holly Leigh Huff  
Angela Joy Muhlberger  
Julia Elizabeth Page  
Katherine Ann Stanchak  
Rachel Anne Winderweedle

*High Honor*  
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Micah Justin McLain  
Melanie Leigh Murray  
Kurt Russell Rampton  
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Kandis Melinda Barnett  
Amber Katrina Charles  
Phuoc Dinh Dang  
John Patrick Maley  
Laurel Elaine Manross  
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Amanda-Jane Delise  
Baptiste  
Jennifer Marie Baum  
Katie Christine Brinkworth  
Kathryn Frances Bryant  
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AnnElla Guthrie Gordon  
Gray Gunter  
Stephen Raymond Harris III  
Jamila Alem Hinds  
ShiuKai Simon Li  
Erik Duncan Nelson



Christina Kim Anh Nguyen  
Catherine Lucille Normoyle  
Joshua Dyal Schwab  
Neil John Varlamoff  
Scott Joseph Wojda

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## College of Management

### *Bachelor of Science in Management*

#### *Highest Honor*

Katherine Anne Allen  
Maria Cristina Pabalan  
Baccay  
Ann Meredith Battle  
Lauren Johannah Catchpole  
Sarah Chitsaz  
Carrie Lynn Collins  
Chelsea Quinton Cooper  
Catherine Gibbon  
Covington  
Jordan Charles Crews  
Anne Elizabeth Giessner  
Suzannah Wynn Gill  
Laura Marie Grosch  
Tara Katherine Hayden  
Elizabeth Ellen Keen  
Nathaniel Trevor Lemoine  
Christopher Cody Meeks  
Jimmy Chuan Ouyang  
Zebulon Russell Sion  
Jonathan Ryan Spillman  
Jessica Lynn Vaughn  
Moeko Wallis  
Julia Renee Walters  
Stephanie Anne Weitzel  
Amelia Christina Cipolla  
Welden  
Lauren Melissa Wickline

#### *High Honor*

Jalencia Dionne Adams  
Juveria Aafreen Ali  
Mary Melissa Bailey  
Jonathan Edward Buck  
Evan Carter  
Carter Eugene Coe  
Tatum Lee Connor  
Jennifer Lee Crews  
Elizabeth Kennedy  
Gignilliat  
Lisa O'Neill Hancock  
William Rodgers Hardy  
Jaclyn Marie Keys  
Gary Anderson Mann Jr.

Kathryn Ewing McKie  
Jay Vijendra Patel  
Sarah Elizabeth Pritchard  
Benjamin Louis Riddick  
Kristen Heather Schierle  
Chan Song  
Bruce Benjamin Tsai

#### *Honor*

Ryan James Alishio  
Ian Kenneth Brewer  
Sarah Spence Cooksey  
Stephan Constantine  
Economos  
Charles Patrick Flanary  
Jacob Teh-Sing Fu  
Micha Chaim Ghertner  
Kelly Raye Gower  
Luke Elliott Gurley  
Susan Marie Holloman  
LaTonya Zenobia Jackson  
Michelle Fortier Maguire  
Nadia Anwar Mahmoud  
Mary Gwendolyn  
Massengale  
Erin Marie McLean  
Julie Diane Munoz  
Jaclyn Elaine Roth  
Shanta Nakeisha Smith  
Nicholas David Thompson  
Robert Daniel Williams

Mash-hood Ahmed  
Elizabeth Ann Arnett  
Hoda May Ataei  
James Edgar Bagwell  
Michelle Laine Bahr  
Laura Paige Barnes  
John Barry Bettis  
Stephanie Amanda Birge  
Rebecca Lynn Bond  
Gerris Vernard Bowers-  
Wilkinson  
John Laurston Bradner  
Shawn Matthew Brech  
Ashley Alice Brodin  
Cullen Thomas Bryenton  
Kim Bucciero  
Cuong Phu Bui  
Sabrina Victoria Carr  
Jen Cherng Cheng  
Arthur William  
Christianson  
Cuyler Elizabeth Clegg  
Jonathan Lane Cochran  
Amber Nichole Cox  
Craig Jordan Davis  
Jonathan Franklin Dechko  
Ryan Scott Dendinger  
Jimmy Dixon III

Katherine Alanna Donovan  
Christopher Robert Dover  
Will James Dunivan  
Cameron Marie Ericson  
Spencer Thornton Floyd  
Brooke Engrid Gladden  
Dorian Eric Grant  
Irene Gung  
Jacob Michael Hall  
Katheleen M. Hall  
Tayeba Nilufer Haq  
Robert Loyd Hendley Jr.  
Catherine Rebekah Henry  
James Jacob Hess  
Alex Conlon Hornbake  
Paul Christopher Horton  
Cameron Blaine Hostetter  
Kenechukwu Ikechukwu  
Ibeto  
Rubina Kiran Javaid  
Coit Tucker Jefferies  
Justin Cale Jennings  
Kevin Lane Kasarda  
Mona El-Husseini Kashlan  
Kirin Sood Kumar  
Cameron Ross Lane  
Daniel D. Lee  
Marisa Gold Leeds  
Chang Ching Lin  
Elizabeth Lindsey Littlefield  
Mark Anthony Logan Jr.  
Zachary Tyson Long  
Christopher Alan MacDougall  
Justin Graham Markham  
Karl Victor Mattson  
Neil Charles McDonagh  
Jessica Conaway Merriman  
Jennifer Anne Michael  
Joseph Michael Miller  
William Allen Newkirk  
Chinh Cong Ngo  
David Hudson O'Neal  
Nathaniel Burton Owens  
Kelly Madison Pappas  
Kevin Donald Patrick  
LaQuanta Moneke Person  
Montrell Deonta Person  
Frantz Pierre Jr.  
Jason Pieters  
Stephanie Marie Pippin  
Bryan Nathan Prince  
Andrew M. Putz  
Kyle Alexander Rabbitt  
Christopher Barnes Reinig  
Loera Maria Rendon-Pope  
Thomas Dennis Ryan  
Anna-Marie Cecile Saum  
Sarah Kiley Schwegman  
Christopher Edward Shaver  
Christina Patricia Shirley



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Continued*

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Jennifer Christine Smith  
Arjun Subramanian  
Felineth Ilen Que Tan  
Gavin Cleveland Tarquinio  
Mayson Anne Thornton  
Lana Suzanne Tibbetts  
Michael Reid Trapani  
Frederick Sylvester Tyson  
Ross Andrew Wallach  
Umair Ahmed Warsi  
Majid Anwar Wayne  
Matthew Thomas Wesseling  
Lynn Hugh Whatley Jr.  
Darius Lenard Williams  
Michael David Williams  
John C. Wilson  
Brian T. Wojick  
Kyle Eric Yencer  
Jared Michael Young  
Kyong Joon Yu  
Luke Alexander Zeigler  
Brett David Zudekoff

**Bachelor of Science  
in Management**  
Cooperative Plan

*Highest Honor*  
Michael Patrick Francis  
McKeon  
Melissa Sherise Oellerich  
Shawn Matthew Yeager

Derek O. Lukaschus  
Jonathan Lawrence Schroer  
James Wesley Sobeck

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**College of  
Sciences**

**Bachelor of Science  
in Discrete Mathematics**

Matthew Alexander Powell

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

*Highest Honor*  
Daniel Paul Fessler  
Matthew Johnson Widlansky

*High Honor*  
James Robert Elsenbeck II  
Richard Hunter Oates Jr.

James Marlon Mooney  
Carson J. Olsheski  
Stephen Adam Rieck  
Jonathan David Seelig  
Asuka Suzuki  
Shelly Jackson Tyre  
Cindy Lee Young

**Bachelor of Science  
in Applied Biology**

*Highest Honor*  
Matthew Lewis Figh  
Lyndsay Walters Fry  
Louise Helen Jones  
Tracy Joon Lee  
Akit Punam Patel  
Jesse Christopher Patterson  
Audra Blair Payne  
Shubin Widad Shahab  
Brienne Kearsten Thorusen  
Kristin Ashley Tuttle

*High Honor*  
Stephanie Dianna Carter  
Arina Alexander Ghaffari  
O'Nisha Shanette Lawrence  
Hevil Nikesh Shah

*Honor*  
Wesley Alex Angel  
James Paul Cellini  
Margaret Jones Hall  
Anuradha R. Koppikar  
Regina K. Lee  
Rachel Jane McNeill  
Jacqueline Diane Stewart

Nina Amir  
Kimberly Beth Bartlett  
Kaysi Shawn Benefield  
Justin Lee Burns  
Nathan Isaac Burton  
Helen Chang-Chien  
Reyhaan Ali Chaudhri  
Chen Chen  
John David Dooley  
Evan M. Haskins  
Andrew Nelson Holt  
Jessica Ariel Jopek  
Kelly Leigh Livingston  
Jonathan Matin Longhitano  
Richard Clay McClure  
Gregory Clyde Mitchell  
Wendy Marie Munera

Almaas-Qamar Ateeq-  
Ahmed Patel  
Alison Elizabeth Smith  
Jessica Anne Smith  
Kevin Joseph Struzzieri  
Jason Valladares

**Bachelor of Science  
in Applied Psychology**

*Highest Honor*  
Sunni Morrow Haag

*High Honor*  
Ailis Leigh Burpee  
Amber Denise Ferrell  
Jayme Nichole Gergen  
Michelle Elizabeth Grant  
Jeb Stuart Jones  
Yoko Nakano  
Jessica Erin Parsons  
Darshan Achokkumar Patel  
Rachael Elisabeth Stewart

*Honor*  
Mary Ellen Lambo  
Christina Justine  
Macdonald  
Megan Elizabeth O'Grady  
Helen Hadi Saputra  
Ted Yuan

Danielle Wendy Bradley  
John Andrew Bragelman  
Lillian Elizabeth  
Crommelin  
Anita Renee Culler  
Joshua Wesley Holt  
Christina Elaine Leslein  
Nathan Michael  
Mansperger  
Melanie Lynn Marshall  
Tara Nicole Neff  
Daniel Christopher Rice  
Daniel Cheng-Yu Yeh

**Bachelor of Science  
in Applied Mathematics**

*Highest Honor*  
Matthew Stephen Block  
Thomas Shields Callaghan  
Emily Price Kennedy  
Robert Andrew Pruvencok  
Edwin Miles Stoudenmire



*High Honor*  
Caroline Lafayette Seabrook

Stephanie Marsha Bent  
Saad Ullah Khan  
Samuel H. Smith

***Bachelor of Science  
in Physics***

*Highest Honor*  
Matthew Stephen Block  
Gregory Arthur Christian  
Steven James Douglass  
James Otey Hardin IV  
Bradley Adam Kaiser  
Brian Gordon Swingle

*Honor*  
Justin Mark Allman  
Owen Theodore Brown  
Christina Patterson  
LoBracco

Joshua Paul LeRoy Bietz  
Michael H. Chen  
Joel Stephen Gearhart  
Logan Michael Grizzel  
Amanda Louise Jacob  
Louis Lucian Ligon IV  
Matthew Sloan Morris

***Bachelor of Science  
in Physics***  
Cooperative Plan

*Honor*  
Timothy Nikolas Descher

***Bachelor of Science  
in Chemistry***

*Highest Honor*  
Jeffrey Streetman Boyles  
Laura Christine Manno  
Michael Jason Pampalon  
Michael Thomas Yeager

*High Honor*  
George C. Cyriac  
Rachel Anne Giese  
Hevil Nikesh Shah

*Honor*  
Madhura Chandrashekar  
Adiga  
Eileen I-Ling Chang  
Robert Brett Fields

Rachel Marie Aston  
William Rowston Carroll  
Christine Michelle  
Fennessey  
Jacob Pippin Mauldin  
Benjamin Ari Nathan  
William Paul Rowland  
Bae Kyung Sang  
Dale Clark Stapler Jr.

***Bachelor of Science  
in Chemistry***  
Cooperative Plan

*Highest Honor*  
Vladimir Sofiyev

Carolyn Elizabeth Perry

---

## College of Engineering

***Bachelor of Science  
in Biomedical Engineering***

*Highest Honor*  
Bilal M. Ali  
Elyse Jeannette Baum  
Angela Lee Chu  
Lynn Ashley Dudash  
Nicholas George Flieg  
Tammie Katrina Heller  
Augustin Luna  
Jillian Erin Martell  
Ashlee Hope McQueen  
Jessica Marie O'Neal  
Michael Keath Paxten  
Gregory Thomas Trifilo  
Jenny Wang

*High Honor*  
Rebekah Anne Neal  
Vijay Ganesh Sekaran

*Honor*  
Ken Kai Cheng  
Amy Townsend Cox  
Ryan Caruthers Davis  
Won Shup Hong  
Amanda Marie Jackson

Joshua Daryl Deanon  
Lannu  
Christopher Michael  
McNeill  
Erin Elizabeth Miles  
Gregory Andrew Themelis

Enoch One Chang  
Charmi Jani  
Christina Rose Lurie  
Jonathan Roy Martinez  
Christal Denise Moore  
Joy Pravinkumar Patel  
Brent Stephen Phillips

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

Kristen Elizabeth Heffernan

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

*Highest Honor*  
Glenn Robert Garrett  
Hua Hu  
Mark Stephen Oliver  
Chris Hoke Rockett

*Honor*  
Charles Michael Dellinger  
Erik Charles Nelson

Ajanta Bhattacharjee  
Chanda Ashley Glover  
Kathryn Teresa Hammond  
Jonathan Daniel Peak

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

*Honor*  
Jason Robert Fodstad

James Patrick Coughlin  
Melanie Christine Gast



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

Gabriel Isaac Betsill  
Samuel Bradley Britt  
James Albert Fountain

**Bachelor of Science  
in Computer Engineering**

*Highest Honor*  
Daisuke Arase  
Andrei Bersatti  
Shane Richard Grenville  
Carleton  
Eric Chang  
Peng Cheng  
Wook-Jin Chung  
David Droogleever  
Frederick Nicholas  
Genthner  
Brandon Hall Goode  
James Michael Holland  
Shawn Michael Lankton  
Geoffrey Chua Loy  
Christopher Phan Luu  
Quocthanh Minh Thuy  
Somaskanda Thyagaraja  
Ryan Sloan Westafer

*High Honor*  
Nitasha Chopra  
Chirag Jayesh Gandhi  
James Calvin Hudson IV  
Neil C. Joshi  
John David Madrid  
Gaben Keith Scobey Moore  
Ifanyi Obioha Okpareke  
Patrick Thomas Phelan  
Avinash Ravi  
Stuart Duerson Truax II

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Evan Kyle Anderson  
Jeffrey J. Chow  
Juhun Chung  
Sean Coleman Justice  
Redwan Kabir  
Victor S. Kovalev  
Eric William Massey  
Beimnet Tadele

Lee Anderson Adcock  
Ankit M. Amin  
Thomas Erwin Anderson

Erik Harrison Beinart  
David Andrew Benson  
John Sells Blevins  
Anand Harakhachand  
Dedhia  
John Paul Erdelt  
William Harry Feaster II  
Cody Merrell Garvin  
Babak Robert Ghazi  
Gregory James Gunn  
Dale Kyung Han  
Nicholas Lee Hembree  
David Walter Hutcherson II  
Craig Alan Hyde  
Yoon Jae Jung  
Andrew Robert Katan  
Jonathan Scott Monteith  
Uchenna Ralukeke Obi  
Jimmy J. Patel  
Pritesh Kishor Patel  
Shantanu Reddy Pesaru  
Philipp Helmut  
Pfeiffenberger  
Bharath Raj  
Christopher A. Rankine III  
John William Simmons  
Kevin Andrew Wright

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

*Highest Honor*  
Benjamin Alexander Johnson  
Michael Robert Joyce

*High Honor*  
Sai Naygye Thwin

Paul Gabriel Erwin  
Brandon Paul Harrington  
Shaun Christopher Thamer  
Stephen Burch Virant

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

*Highest Honor*  
Brian James Kern

*High Honor*  
Christopher Joseph Fong

Eric Anthony Burgett  
Samuel Wren Fowler  
Javid Lee Kelley  
David Burnette Lassiter  
William John Murphy

Jeffrey Robert Preston

**Bachelor of Science  
in Industrial Engineering**

*Highest Honor*  
Neil Dilip Amin  
Wanny Wibowo Bong  
Stanley L. Chia  
Jennifer Lauren Christenson  
Sean Clinton Davis  
Sarah J. Dodge  
Bradley Ryan Gammill  
Elizabeth Ann Gifford  
Harrison Boyd Goodno  
Eoin Patrick Grosch  
Lauren Susanne Hale  
Gakushuu Hasegawa  
Adam James Hedstrom  
Wiljeana G. Jackson  
Jonathan Grant Keen  
Kunal Khosla  
Frances Pang Ma  
Christopher D. Mardis  
Daniel Francis Might  
Robert Greer Morris Jr.  
Charles James Norwood  
Sumir Suresh Patel  
Ginna E. Rodriguez  
David Rajeev Sibal  
Pharaon Siraj  
Casey Leigh Taylor  
Shani Marie Tutt  
Melissa Ann Vanderwood  
Toan Truong Vo

*High Honor*  
Christopher Leland Airhart  
Lindsay Cole Averett  
Audra Marie Bowcutt  
John L. Cole  
Lei Deng  
Benjamin Patton Elder  
Bela Naomi Jacobson  
Joo-Young Kim  
Marc F. Maier  
Prashant Mathur  
Poonam D. Patel  
Jordan Thomas Patton  
Puja P. Shah

*Honor*  
Wesley Alex Angel  
Karen Elizabeth Behrle  
Justin Allen Chin  
Tanner Coughlin Cordell  
Todd Anthony Glenski  
Tanisha Beatrice Green  
Mrinalini Radhakrishnan  
Kinsey Erin Wade  
Amanda Joan Walters



Melissa Kathleen Wright  
Nathan Anthony Zick

Menna Bizuneh  
Filippo Bastiano Borroni  
Emily Louise Brighton  
John William Brochu  
Phillip Aaron Oscar  
Campbell  
Chad Brian Conley  
Jean Pierre Coymat  
Ashley Marie Cunningham  
Jyothsna Singh Dara  
Miguel Andres Diaz  
John Michael Doyle  
Mark Robert Dugger  
Alaa Mustapha El-Yamak  
Charles Aaron Fleisig  
Dmitriy B. Fleshler  
Brett Alan Flury  
Parul Hemanth Gupta  
Daniel Newman Haelsig  
Christine Camille Hall  
Travis Flynn Higgins  
Dail Tim Hur  
Daniel Joseph Hutchison  
Faith Collins Hyman  
Michael McCaleb Johnston  
Craig Warren Jones  
Amanda Reynolds Kasilus  
April Marie Kilgore  
Erin Nicole Kinzel  
Danu Peter Kriengsiri  
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George Lin  
Dayon Chades Mack  
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Benjamin Davis Maloch  
Michael Edward Massey  
Cristobal Mendez  
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Matthew David Modlin  
Lloyd Gerald Nelson II  
Saipriya Neti  
Hye Min Park  
Jose Maria Quintero  
Sarah Reilly Ramsey  
Priscilla Reed  
Neal Navin Shah  
Jorge Arturo Simmonds  
Jennifer Melynn Smith  
Joseph Anthony Smith  
Miya Ashanti Smith  
John Anthony Stauter III  
Jena Lana Svoren  
Gabiell Latrell Washington  
Adam Herbert Weintraub  
Allie Janifer Williams

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

*Highest Honor*  
Lauren Elizabeth Ashman  
Andrew James Coppolino  
Chad Gray Herring  
Daniel Aaron Sack

*High Honor*  
Sarah Elizabeth Clark  
Lee Gravely Frankstone  
Deepak A. Hemnani  
Don Michael Lambing Jr.  
Oke Sabeni

*Honor*  
Otto Chiang  
Erin Michelle Holtz  
Matthew Eli Ridley  
Jennifer Kathryn Smith  
  
Tawatt Daniel Burapavong  
Evelyn Lindsey Craft  
Justin Henry Quinton  
Finke  
Andrew Lee Hagenbush  
Kimberly Jan Hembree  
Jesse Carlile Holbrook  
Christopher Steven Junius  
Jonathan Michael Kaye  
Adam Wayne Licker  
Felix Chukwuma Osanu  
Ernesto Antonio Perez Jr.  
Will Scott Randall II  
Ana Luisa Remy  
Adam Alan Slide  
Jonathan Lawrence Staab

**Bachelor of Science  
in Aerospace Engineering**

*Highest Honor*  
Elise Karen Beisecker  
Graham Lee Bryant  
Matthew John Daskilewicz  
Elizabeth Carolina Deems  
Rebecca L. Fink  
Allan Payne Guess  
Neeraj Kumar  
Jennifer Susan Lentz  
Juan Carlos Leon  
Emily Grace Matthews  
Darius Darayes Mobed  
Ha Xuan Nguyen  
Jonathan David Olinger  
Heinrich Karl Mariano  
Souza  
Christopher Lee Tanner

Richard Ernest Uhlman III  
Shae Eachus Williams

*High Honor*  
Joseph Andrew Dant  
Kevin Chase Diggs  
Tanner Joe Holloway  
Marcin Kolesinski  
Jonathan Adam Mitchell  
Gwendolyn Alyce Sisto  
Frank James Vargo

*Honor*  
Stacie Marie Dawson  
Anna Elizabeth Ivester  
Jason David Liles  
Eugene Dana Martin III  
Sean Christopher  
Underwood

Oladele Adedjoja Adedeji  
Heidi Margaret Anderson  
Justin Cumbo Baskerville  
Tanya Marlaine Blackwell  
Cayce McPheron Boone  
David Alan Bruce  
David Little Carter  
William Henry Copeland III  
Ry Logan Doolittle  
Russell Joseph Gagnon  
Stras Orion Gofton  
Lydia Akosua Nyarko  
Kwateng  
Daniel Stevens Laszewski  
Seung Jae Lee  
Michael-Ryan McCabe  
Mazen A. Mehio  
Harold William Moore IV  
Bradley Alan Ochs  
Matthew Jackson Price  
Aaron Douglas Rozmus  
Dominic Joel Rupnarine  
Darren Joel Sabino  
Charles Edward Schaffer III  
Udbhav Sharma  
Jonathan David Skolrood  
Ryan Lee Solomon  
J. Mark Streeter Jr.  
Dustin Russell Thames  
Michael Joseph Thomas  
Payman Seyed Touliat  
John Alexander Welsh  
Kristen Oteka Wilhelm  
Dan McClintic Williams  
Joseph Scott Wilson  
Jason Edward Wright



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

*Highest Honor*  
Kyle Arthur Brewer  
John Allen Christian III  
Jason Douglas Gilgenbach  
Nathan Wells Graybeal

*High Honor*  
Edmond Fabila Arnaldo  
John Howard Hamil  
Roger Bei Lee  
Jason Dwayne Rawson

*Honor*  
Erik Marshall Kabo  
Jonathan Daniel Lowe  
Jeffrey Thomas Roig Jr.  
Stephen Nicolas Varner

Jonathan W. Curtis  
Michael Jacob Gerstner  
Jonathan Evan Holder  
Francois-David Xavier  
Hugon

**Bachelor of Science  
in Chemical Engineering**

*Highest Honor*  
John Carlton Alexander Jr.  
Nathan Lee Bower  
David Christopher Bryson  
Robert John Casey  
Kamber Lynn Christensen  
Anthony Christopher  
DeCinque  
Robert Fort Eads  
Justin Thomas Ford  
Sean Nicolas Holton  
Salley Mijin Hong  
Stephen Richard Marek  
Ryan Frederick Morrison  
Brandon Aubrey Rowlett  
Steven Anthony Schneider  
Matthew William Swisher

*High Honor*  
John L. Cole  
Travis Huston Dunlap  
Bradley Sverre Rostad

*Honor*  
Brandon Jamaal Friloux  
Nina Alfonsina Paoella  
Annie Hyunjoo Park  
Nazanin Sabine Ruppender

Donell Harold Banks  
Marc Evan Baumgardner  
Mudiagan Agbagbara Benard  
Carolyn Ruth Blaylock  
Greg Anthony Dann  
Ahmad Cistrunk  
Dromgoole  
Roderick Noel Galan  
Khundakar R. Haq  
Christina Marie Hofius  
Haley Ann Hudson  
Rosalie Ivy Kelly  
Russell Lamar Kelly  
Zachary R. Kraus  
Kim Phuong Thi Ly  
Abigail New  
Charles Andrew Ouzts  
Holly Carol Paskow  
Denisa Peshkatari  
Clay Stephen Plavcan  
William Edward Rhodes  
Matthew Francis Taylor  
Amin Zargar

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

*Highest Honor*  
Adam Robert Dean  
Joshua Charles Keller  
Timothy John Langlais  
Steven Michael Slack

*High Honor*  
Scott Alexander Sample

*Honor*  
Cheng Han Chang

Sara Elizabeth Garlington  
Joshua Douglas Johnson  
Hugh Moss Comer Train III

**Bachelor of Science  
in Polymer and Textile  
Chemistry**

Shalonda Andrea Hall

**Bachelor of Science  
in Polymer and Fiber  
Engineering**

*Highest Honor*  
Bobbi Jo Bourland  
James Otey Hardin IV  
*High Honor*

Melody Lea Rouse

*Honor*  
Holly Elizabeth Harris  
Ramona Signe McClain  
David Alan Spires

Stephen Wendell Bowers  
Abigail Lane Gentile  
Joshua Allen Norton  
Cera Dione Ridley  
David Kenneth Smith  
John James Trace

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

*Highest Honor*  
Brandon James Welch

*High Honor*  
Matthew Jay Griffith

*Honor*  
Ross McGaugh White

Christopher Joel Chance Jr.  
Daniel M. Chicola  
Marcus Adron Day  
Matthew Anson Morris  
Derek Thomas Stancil  
Ian J. Watson  
Ryan Samuel Willoughby

**Bachelor of Science  
in Civil Engineering**

*Highest Honor*  
Lacy J. Bell  
Amanda Lauren Bezold  
Bedford Lee Burgher  
Charles Kennan Crane  
Geoffrey Vernon Davies  
Shane Miguel Johnson  
Holle Erin Jones  
Lindsey Katherine Kerns  
Kevin Patrick LaHatte

*High Honor*  
Michael Brian Cobb  
Leigh Alden Farr  
Susannah Carol Halweg  
George Albert Kaufman IV  
Joshua Lee Shoemaker  
Cesar Augusto Taba-Gomez



*Honor*

John Leland Catoe  
Jeffrey Brian Smith

Jesse Ward Addison  
Benjamin Scott Beckham  
Gregory Lloyd Bowers  
Christian Vaughn Braneon  
John C. Bunyasanand  
Joel William Chalmers  
Javier Alejandro Du Quesne  
Brent L. Fulghum  
Tiffany Sherrell Grant  
David Michael Horwath Jr.  
Donald Patrick Jehle Jr.  
Bradley Stephen Jones  
Renee Michelle Kell  
Ruth Milian  
Brian Charles Mraz  
Wai Min Ng  
Robinson Prince Nicol  
Clifton Wernet Pearce  
William Andrew Rankin  
John Bernard Rhodes Jr.  
Robert Zachary Sartin  
Matthew Long Sellers  
William Bartholomew Seritt  
Brian Thomas Smyth  
Thomas Benjamin Snyder  
Joseph Paul Stansbury  
Alana Elizabeth Stuart  
Erik Gordon Sweet  
Robert Loren Sykes  
Iana Joy Tassada  
Jared Daniel Tharp  
Michael Cody Tharpe  
Marcela Alejandra Tunon  
James Christopher Turner  
Andrew Rodney Vanpelt  
Peter Andrew Vick  
Aaron Frankl Weil  
David Collins Westcott  
Matthew Steven Williamson  
James Clay Zielinski

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

*Highest Honor*

Lisa Marie Bolton  
Nicholas George Hasara

*High Honor*

Anne Elizabeth Gillespie

*Honor*

Erica Michele Schuler

Matthew Andre Chang  
Emma Shaul Durie  
Brent Joel Hutchinson  
Jamie Nicole Hutchinson  
Kindel Julianna Kaelke  
Michael C. Murphy  
Aaron Michael Taulbee  
Vincent Paul Tomaine

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

*Honor*

Nicholas R. Duncan  
Jesse Alan Knight  
Allen Murray Mosley

Eli Johnathan Duval  
Michael L. Echols  
Jonathan Andrew Paulis  
Dan Russell Popham Jr.  
William Michael Torrance  
Deshad Tramayne Werts

***Bachelor of Science  
in Electrical Engineering***

*Highest Honor*

Mohamed-Amine Alami-  
Fettouhi

Joon Ho Baek  
David Fitzhugh Brown  
Nicholas George Miles  
Brown

Cameron D. Carlsen  
Vivien Pei Wen Chua  
Douglas Vincent Dimola  
Mark Thomas Godfrey  
Sarah Ashley Hancock  
Jennifer Ming-Fay Lee  
Jeremy Kyle Miller  
Sidhant Nagrani  
Vu Duy Nguyen  
Akshai Parthasarathy  
Chetan S. Patel  
Nam Hoang Pham  
Ryan Jesse Pirkel  
Gael Christian Pirlot  
Almoatasm Beallah  
Mohamed Ramli

Anil Rohatgi  
Akshat Sharma  
Sreenivas Vedantam  
Dane P. Wagner  
Zhong-Ju Zhang

*High Honor*

Prasad Komma  
Kil-Hoon Lee  
Brian Thomas Liu  
Allison Victoria Lyon  
Shuhan Shams Majid  
Zubin M. Master  
Joel Thomas Prothro  
Masoud Salekian  
Jose Ricardo Ventura  
David Ping Wang  
Cody B. Wortham  
Qing Xu

*Honor*

Natasha Marie DeLong  
Balaji Kamakoti  
Anisha Lalani  
Yenpao Lu  
Stephen Gerald Moore  
Bao-Cuong Phan Nguyen  
Leonid Y. Nisanov  
Hardik Yogesh Patel  
Ethan Brantley Trewhitt  
Faraz Abdul Majid Velani  
Isaac Calloway Webster III  
Kevin Micheal Williams  
Terence Wu

Netseraab Andehaimanot  
Abbay

David Wayne Abner  
Antonio Guillermo  
Acosta III  
Se Joon Ahn  
Emmanuel C. Azih  
Stephen Andrew Barnes  
Daphne Michelle Berdley  
Neera Bhat  
Matthew Lindsey Black  
Richard Lawrence  
Bourgault  
Jeffery James Bowens  
Benjamin Anthony Julius  
Bruckner  
Harlow Scott Cameron  
James Benjamin Carlson  
Samiran Roy Chaudhury  
Nirmalya Choudhury  
Brian Francis Claveria  
Marilyn Elizabeth Corn  
Matthew Joseph DiPiro  
Jenny Feng  
Derek Lynzie Garrett  
Matthew Philip Guarneri  
Parul Hemanth Gupta  
Paul Michael Hagan  
Brian Christopher Harris  
David Richard Heinig  
Michael Hsu



Pei-Chieh Huang  
 Crystal LaToyah Jones  
 Scott Edward Kim  
 Kelvin C. Lau  
 Cameron Brooks Lee  
 Jea Ryung Lee  
 Wai Ying Lo  
 Nassrolla Ali Madison  
 Paul Eric Mandeltort  
 Ahmad Mazhar  
 Allen Lathorn McClinton II  
 Christopher Stephen Meyer  
 James Joseph Montante  
 Stephen Michael Moon  
 Deepak Ajith Nair  
 Darlington Kodili  
   Nwankwo  
 Wole O. Oluayemi  
 Hideki Jerry Omori  
 Alexey Vladimirovich Orkin  
 Alexander Paul Ott  
 Michael Timothy Lee Palmer  
 Noman A. Paracha  
 Manan Ramesh Patel  
 Sarjubhai Chhaganbhai Patel  
 Tapan N. Patel  
 Tiago Barreto Goes Perez  
 William Campbell Pfister Jr.  
 Elliott Eugene Potter  
 Namratha Prasad  
 Michael Donbeck Roberts  
 Abdoulaye Djibril Sow  
 James Alexander Spettel  
 Alan Vernon Stansfield Jr.  
 Stephen Tan  
 Jeremy Wesley Tarver  
 Mashruba Tasneem  
 Sanja Veledar  
 Huan Hoang Vo  
 Jeffrey Louis Waters  
 Daren Michael Whitlock  
 Marquis Deshaun Windless  
 Bryan Omar Worley

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

*Highest Honor*  
 Matthew Richard Leidy  
 Paul Albert McKellar  
*High Honor*  
 Scott Michael Burkart

*Honor*  
 Austin Assavavallo  
 Vishesh Vinod Choudhary  
 Stephanie Anne Knight  
 Michael Thomas Morlock  
 Christopher Raymond  
   Riviere  
 Daniel Anthony Boland  
 Cyrus Matthew Loper  
 Justin Christopher Sellers  
 Jason Alan Shook

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

*Highest Honor*  
 Kristopher Wade Carter  
 Corey Madison Hendrix  
 Jeremy Charles Mikulecky

**Bachelor of Science  
 in Mechanical Engineering**

*Highest Honor*  
 Stephen Andrew Brown  
 Nicholas Brian Giglio  
 Stephen Marshall Miles  
   Hawkins  
 Elizabeth Wilson Kooymans  
 Pranav Kothari  
 Katherine Chelsea Larkin  
 Andrew Scott Martinez  
 Hannah Wynn Muchnick  
 Ha Xuan Nguyen  
 Justin Willis Potts  
 Konrad Rykaczewski  
 Byron E. Van Gorp  
 Stephen Michael Von  
   Broembsen  
 Chad Eric Ware  
 Brent William West

*High Honor*  
 Paul James Carman  
 Jennifer Cho  
 David Boyd Cox  
 Norman William Facas  
 Elliott V. Jernigan  
 Bryan Webb Kauffman  
 Timothy Li  
 Jennifer Joyce Schur

*Honor*  
 Carlos Andres Alzate  
 Natasha Cvetkova  
 Ryan Christopher Duncan  
 David Jacob Fannon Jr.  
 Daniel Richard Genovese  
 Michael Alan Himmelein  
 Wei Jiang  
 Song Han Park  
 John Jacob Stanley

Luqman E. Abdur-Rahman  
 Jill Whitney Adams  
 Jason William Atwood  
 Dung Le Banh  
 Michael Alexander Buff  
 Andrew HyunJin Chun  
 Kendra Latoya Clarke  
 Richard T. Clubb  
 James William Craven  
 Brian Wade Dorton  
 Patrick Donovan Esler  
 Barrett Wesley Evans  
 Matthew Falkenberg  
 Belinda Maria Frieri  
 Wojciech Jack Garbino  
 Erin Ethelyn Reed Handy  
 Ansley Michelle Heard  
 Andrea Jenell Hogue  
 Timothy Michael Hollman  
 Pimjai Hoontrakul  
 Abigail J. Hung  
 Taylor Grant Jimenez  
 Brent Thomas Johnson  
 Nicole Marie Kieliszak  
 Nathan R. Kirby  
 Puneeth Kumar  
 Ryan Charles Lafevre  
 Holly Kay Lewis  
 Hugh David Josef Malkin  
 Joshua Dale Mathieson  
 Joseph Paul McMillion  
 Rodney Rashard Miller  
 Daniel John Muxie  
 Minhyun Noh  
 Erik Marshall Norrell  
 Ekene Uzoma Okpareke  
 Divesh Patel  
 William Craig Pope  
 Robert James Pyle  
 Jonathan Gerald Rehbein  
 Michael Garrett Reno  
 Amandi Jendayi Rhett  
 Patrice Ashley  
   Robinson-Davis  
 Tammeca Samantha  
   Rochester  
 Mell Tex Sammons  
 Theo Martin Sanchez  
 Phillip Lane Sheppard



Tyler Andrew Smith  
Scott David Spencer  
J. T. Stukes  
Robert David Swafford Jr.  
Joshua Aaron Tarbutton  
Jack Robert Vasko  
Angelyn Brooke Waddell  
Andrea Lartrice Warren  
Byron Lekeith Williams  
Eric David Williamson  
Christopher Paul  
    Wooldridge  
Amanda Lyn Word  
Kevin Matthew Zich  
Adam Joseph Zurawski

Cleveland Lewis Fann  
Brad Allen Lawrence  
Derrick Hokhim Ma  
Kimberly Marie Pemberton  
Bennett J. D. Peterson  
Corresha Nicole Thomas

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

*Highest Honor*

Stephanie Jean Campbell  
Michael Damianakis  
Brian Jacob Fatkin  
Mark Elliott Jackson  
Johanna Chuang-meiyu  
    Kauffman  
Ryan Andrew Lacy  
Michael Patrick Francis  
    McKeon  
Adam Brian Reich  
Andrew Benjamin Scott  
Varun Sharma  
Alice Egan Snedeker  
Benjamin James Spivey

*High Honor*

Jessica Sheri Hailperin  
Michael Kirk Huffines  
Kyle Patrick Moore  
Megan Anne Preble

*Honor*

Kelvin Chiu-hun Chow  
Peter Joseph Johnson  
Joshua Eric League  
Thomas Andrew Padgett Jr.  
Charles Allan Quaife  
Theresa Melba Sheldon  
Jacob Thomas Townson  
Aaron Patrick Turcott

Amanda Cheryl Askew  
Thomas Roger Busbee  
Brannen Clark Butts  
John Daniel Cassidy Jr.  
Leandro Rafael de la  
    Torriente  
Kip Christopher Drexler





## resident G. Wayne Clough, Ph.D. 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. Dr. Clough received his B.S. and M.S. degrees in civil engineering from Georgia Tech in 1964 and 1965, respectively, and a Ph.D. 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, Dr. 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 increased from \$212 million to \$370 million, a required computer initiative for all students was implemented, and enrollment has increased from 13,000 to 16,500. More than \$1 billion in private gifts have been secured, and the statewide Georgia Tech Regional Engineering Program has been implemented. A building program of more than \$900 million has been completed, with another \$300 million in planning or design.

Dr. Clough has received eight 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 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, Dr. Clough was awarded the 2001 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 Dr. 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. He is a member of the Markle Foundation Task Force on National Security in the Information Age. Other

current service activities include: chair, Governor's Telecommunication Task Force; university co-vice chairman, Executive Committee of the U.S. Council on Competitiveness (co-chair of the National Innovation Initiative); and member, NAE (chair of the Engineer of 2020 Project). Dr. 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 Directors of TSYS of Columbus, Georgia. He serves as a special consultant to the San Francisco Bay Area Rapid Transit System for ongoing major seismic retrofit operations. For seven years *Georgia Trend* magazine has listed him among the 100 Most Influential People in Georgia.

Dr. 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 120 papers and reports and six book chapters.



# Commencement Speaker Secretary of Energy Samuel W. Bodman

Samuel Wright Bodman was sworn in as the eleventh secretary of energy on February 1, 2005, after the United States Senate unanimously confirmed him. He leads the Department of Energy with a budget in excess of \$23 billion and more than 100,000 federal and contract employees.

Previously, Secretary Bodman served as deputy secretary of the Treasury beginning in February 2004. He also served the Bush Administration as the deputy secretary of the Department of Commerce beginning in 2001. A financier and executive by trade, with three decades of experience in the private sector, Bodman was well suited to manage the day-to-day operations of both of these cabinet agencies.

Born in 1938 in Chicago, he graduated in 1961 with a Bachelor of Science in chemical engineering from Cornell University. In 1965, he completed his doctorate at the Massachusetts Institute of Technology (MIT). For the next six years, he served as an associate professor of chemical engineering at MIT and began his work in the financial sector as technical director of the American Research and Development Corporation, a pioneer venture capital firm.



He and his colleagues provided financial and managerial support to scores of new business enterprises located throughout the United States.

From there, Bodman went to Fidelity Venture Associates, a division of Fidelity Investments. In 1983, he was named president and chief operating officer of Fidelity Investments and a director of the Fidelity Group of Mutual Funds. In 1987, he joined Cabot Corporation, a Boston-based Fortune 300 company with global business activities in specialty chemicals and materials, where he served as chairman, CEO, and a director. Over the years, he has been a director of many other publicly owned corporations.

Bodman has also been active in public service. He is former director of MIT's School of Engineering Practice and a former member of the MIT Commission on Education. He also served as a member of the Executive and Investment Committees at MIT, a member of the American Academy of Arts and Sciences, and a Trustee of the Isabella Stewart Gardner Museum and the New England Aquarium.

Bodman is married to M. Diane Bodman. They have three children, two stepchildren, and eight grandchildren.



# The Mace

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.



# Georgia Tech's Colleges and Traditions

## *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 College also has four interdisciplinary research centers: Georgia Tech's Information Security Center (GTISC); the Graphics, Visualization and Usability Center (GVU); Center for Experimental Research in Computer Systems (CERCS); and the Modeling and Simulation Research and Education Center (MSREC).

More than 1,500 students are enrolled in the college, including approximately 1,100 undergraduates and 476 graduate students. Prominent alumni of the College include Craig Mundie (1971, 1972), senior vice president and CTO, Advanced Strategies and Policy, Microsoft; Jim Allchin (1983), platform group vice president, Microsoft; Timothy Saponas (1981), worldwide higher education manager, Intel; James Folsom (1970, 1972), strategic advisor and CEO, Motorola; Edith M. Martin (1976, 1980), chief financial officer, Eastman Kodak; and Githesh Ramamurthy, (1983), president, CCC Information Services.

## *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 are designed to explore the crucial union of science, technology, the humanities, and the social sciences. The six schools within the College include Economics; History, Technology, and Society; the Sam Nunn School of International Affairs; Literature, Communication, and Culture; Modern Languages; and Public Policy. The College enrolled 715 undergraduates and 248 graduate students in the fall of 2004.

The College has been an innovative leader in such fields as information and

game design, educational technologies, Internet governance, international economics, international security, and the advancement of women in science and engineering, among other areas. In addition to promoting interdisciplinary research in a wide range of areas, the Ivan Allen College has earned a reputation for excellence in teaching, both at the Institute and national levels. One of the College's ongoing initiatives is the increasing application of computers and use of state-of-the-art audiovisual equipment in the classroom. Many Ivan Allen College graduates have become respected professional and national leaders.

## *College of Architecture*

The School of Architecture became the College of Architecture in 1975. In the fall of 2004, 736 undergraduate and 352 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. Although the College presently offers only a minor in music, approximately 1,140 students, representing all colleges at Georgia Tech, enrolled in music courses each semester in 2004-2005.

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 CNN Center 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 of Architecture 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 1,122 undergraduates, 256 graduate students, and 32 executive master's students in fall 2003, 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, M.B.A., executive master's, and Ph.D. 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 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 2004, the College enrolled 974 undergraduate students and 750 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 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 ten degree-granting units with a 2003 total enrollment of 9,843 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; C. Garry Betty, (1979), CEO, EarthLink; Mario Canahuati, (1977), Honduran ambassador to the United States; former President Jimmy Carter (1946); Michael T. Duke, (1971), president and CEO, Wal-Mart USA; Thomas L. Gossage, (1957), former chairman, president, and CEO, Hercules Inc.; Major Gen. Ronald Johnson (1985), U.S. Army Corps of Engineers; James R. Jolly Jr. (1964), chairman and CEO, Johnson and Johnson Industries Inc.; Sandra H. Mangus, (1996), astronaut, NASA Shuttle Atlantis; Robert B. Ormsby (1945), president, Lockheed Corporation-Aeronautical Systems Group; David A. Perdue, (1972, 1976), chairman and CEO, Dollar General; Agustin A. "Gus" Ramirez, (1968, 1969), chairman, president, and CEO, Husco International Inc.; and Malcolm T. Stamper (1946), vice chairman of the Board, Boeing Company.

### *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 Kevin Brown; 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 groundbreaking research, educational programs, and economic development initiatives that advance the global competitiveness and security of Georgia, the region, and the nation.

The GTRI team includes many of the nation's leading researchers, who spend each day helping make the world a better, safer place.

GTRI's approximately 1,200 employees perform or support more than \$130 million in research yearly for clients in federal, state, local, and international government agencies, industrial firms, academic institutions, and private organizations.

Research areas include aerospace, transportation, advanced systems, electronics systems, electro-optics, environmental science, materials characterization, information technology and telecommunications, sensors, electromagnetic applications, and signatures technology, among others.

GTRI's work promotes Georgia's industrial and economic development; encourages development of Georgia's natural resources; and supports national programs of science, technology, emergency preparedness, national defense, and homeland security.

### *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.

The Georgia Tech Electronic Library offers a variety of databases to students and faculty for research, class assignments, and personal information.

### *Academic Degrees*

#### *The Bachelor's Degree*

The bachelor's degree is the oldest academic degree used by institutions of higher education in America. This degree, which represents completion of a four-year course of study at the college level, was first awarded in 1642 to the graduating class of Harvard College.

#### *The Master's Degree*

The master's degree represents the successful completion of one or two years of study beyond the baccalaureate degree. This academic honor, which dates back to the establishment of the oldest universities in Europe, 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. It was first used as an academic title at the University of Bologna in Italy.



## 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.

Masters 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*

#### *Announcers*

Dr. William Johnson, Dr. Frank Pilipp, and  
Dr. David Shook

#### *Graduate Studies*

Maureen Kilroy

#### *Institute Communications and Public Affairs*

Aimee Anderson and staff

#### *Music Department*

Frank Clark, Christine Marks, Ron Mendola,  
and Jerry Ulrich

#### *Plant Operations*

Staging staff

#### *Registrar's Office*

Candy Carson, Ann Laros, Jo McIver, April Pope,  
Deanna Stearns, Debbie Williamson, 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.*

