

# Commencement Ceremony



**Georgia Institute  
of Technology**

*summer 2005*



*elcome to the 222nd 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 1,000 undergraduate and graduate students, today's ceremony recognizes their academic achievements at Georgia Tech and inaugurates a new era in their careers.*



*Summer Semester • August 5, 2005 • 9:00 A.M.*  
*Alexander Memorial Coliseum*

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PROCESSIONAL	<i>Georgia Tech Commencement Ensemble, coordinated by Dr. Frank Clark, Department of Music</i>
MASTER OF CEREMONIES	<i>Dr. G. Wayne Clough, President</i>
REFLECTION	<i>Steve Fazenbaker, Director and Campus Minister, Wesley Foundation at Georgia Tech</i>
NATIONAL ANTHEM	<i>Georgia Tech Commencement Ensemble</i>
COMMENCEMENT ADDRESS	<i>Dr. Thomas K. Gaylord, Julius Brown Chair and Regents' Professor of Electrical and Computer Engineering</i>
PRESENTATION OF DOCTORAL DEGREE CANDIDATES	<i>Dr. Charles Liotta, Vice Provost for Research and Dean of Graduate Studies</i>
CONFERRING OF DEGREES	<i>Dr. Clough</i>
PRESENTATION OF MASTER'S DEGREE CANDIDATES	<i>Dr. Liotta</i>
CONFERRING OF DEGREES	<i>Dr. Clough</i>
INTRODUCTION OF ACADEMIC DEANS	<i>Dr. Liotta</i>
PRESENTATION OF UNDERGRADUATE DEGREE CANDIDATES	<i>Assistant Dean Merrick Furst College of Computing Dean Sue V. Rosser Ivan Allen College of Liberal Arts Dean Thomas D. Galloway College of Architecture Dean Terry C. Blum College of Management Dean Gary B. Schuster College of Sciences Associate Dean J. Narl Davidson College of Engineering</i>

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CONFERRING  
OF DEGREES

*Dr. Clough*

INDUCTION INTO THE  
ALUMNI ASSOCIATION

*Mr. Joseph P. Erwin, Class of 1980  
President, Georgia Tech  
Alumni Association*

ALMA MATER\*

*Georgia Tech  
Commencement Ensemble*

FACULTY RECEPTIONAL

*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.*

*\*Please turn to page 32 for song lyrics.*



# Doctoral Degree Candidates

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## **Doctor of Philosophy Bioengineering**

*Sarah Melissa Cutler*

Thesis: "The Effect of Progesterone Withdrawal on Molecular and Behavioral Indices After Traumatic Brain Injury"  
Advisor: Dr. Donald G. Stein

*Hwa Liang Leo*

Thesis: "An In Vitro Investigation of the Flow of Fluids through Bileaflet and Polymeric Prosthetic Heart Valves"  
Advisor: Dr. Ajit Yoganathan

*Krishna Kumar Sarangapani*

Thesis: "Characterizing Selectin-Ligand Bonds Using Atomic Force Microscopy (AFM)"  
Advisor: Dr. Cheng Zhu

*Po-Yuan Tseng*

Thesis: "Thrombomodulin/Heparin Functionalized Membranemimetic Assemblies: Strategies for Generating an Actively Anti-thrombogenic Surface"  
Advisor: Dr. Elliot L. Chaikof

## **Doctor of Philosophy Biomedical Engineering**

*Mutsumi Yoshida*

Thesis: "Mechanism of Biomaterial Adjuvant Effect: Phenotype of Dendritic Cells upon Biomaterial Contact"  
Advisor: Dr. Julia E. Babensee

## **Doctor of Philosophy Algorithms, Combinatorics, and Optimizations**

*Evangelos Markakis*

Thesis: "Computational Aspects of Game Theory and Microeconomics"  
Advisor: Dr. Richard Lipton

*Aranyak Mehta*

Thesis: "Algorithmic Game Theory"  
Advisor: Dr. Richard Lipton

*Serguei Norine*

Thesis: "Matching Structure and Pfaffian Orientations of Graphs"  
Advisor: Dr. Robin Thomas

## **Doctor of Philosophy Computer Science**

*Joshua Bruce Fryman*

Thesis: "SoftCache Architecture"  
Advisor: Dr. Umakishore Ramachandran

*Qi He*

Thesis: "The Design and Evaluation of Advanced TCP-based Services over an Evolving Internet"  
Advisor: Dr. Mostafa H. Ammar

*Reginald Lionel Hobbs*

Thesis: "A Scenario-directed Computational Framework to Aid Decision Making and Systems Development"  
Advisor: Dr. Melody M. Moore

*Idris Hsueh-heng Hsi*

Thesis: "Analyzing the Conceptual Integrity of Computing Applications through Ontological Excavation and Analysis"  
Advisor: Dr. Colin Potts

*Vivek Kwatra*

Thesis: "Example-based Rendering of Textural Phenomena"  
Advisor: Dr. Aaron Bobick

*Ying Liu*

Thesis: "Text Mining Biomedical Literature for Genomic Knowledge Discovery"  
Advisor: Dr. Shamkant B. Navathe

*Kent Lyons*

Thesis: "Improving Support of Conversations by Enhancing Mobile Computer Input"  
Advisor: Dr. Thad E. Starner

*Shashidhar Merugu*

Thesis: "Network Design and Routing in Peer-to-Peer and Mobile Ad Hoc Networks"  
Advisor: Dr. Ellen Zegura

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*Xinzhou Qin*

Thesis: "A Probabilistic-based Framework for INFOSEC Alert Correlation"  
Advisor: Dr. Wenke Lee

*Michael Andrew Terry*

Thesis: "Set-based User Interaction"  
Advisor: Dr. Elizabeth D. Mynatt

*Khai Nhut Truong*

Thesis: "INCA: An Infrastructure for Capture and Access Supporting the Generation, Preservation, and Use of Memories from Everyday Life"  
Advisor: Dr. Gregory D. Abowd

*Patrick McCall Widener*

Thesis: "Dynamic Differential Data Protection for High-performance and Pervasive Applications"  
Advisor: Dr. Karsten Schwan

*Matthew David Wolenetz*

Thesis: "Characterizing Middleware Mechanisms for Future Sensor Networks"  
Advisor: Dr. Umakishore Ramachandran

### **Doctor of Philosophy Public Policy**

*Kamau Imara Bobb*

Thesis: "The Duality of Innovation: Liberation and Economic Competitiveness"  
Advisor: Dr. Susan E. Cozzens

### **Doctor of Philosophy Architecture**

*Hyeun Jun Moon*

Thesis: "Assessing Mold Risks in Buildings under Uncertainty"  
Advisor: Dr. Godfried L. Augenbroe

*Manu Prithvish Sobti*

Thesis: "Urban Metamorphosis and Change in Central Asian Cities after the Arab Invasions"  
Advisor: Dr. Ronald B. Lewcock

### **Doctor of Philosophy Management**

*Leslie Harris Vincent*

Thesis: "Marketing Strategy Formulation in the Commercialization of New Technologies"  
Advisor: Dr. Goutam N. Challagalla

### **Doctor of Philosophy Mathematics**

*Jian Chen*

Thesis: "Bifurcations, Normal Forms, and their Applications"  
Advisor: Dr. Yingfei Yi

*Marcio Fuzeto Gameiro*

Thesis: "Topological Analysis of Patterns"  
Advisor: Dr. Konstantin Mischaikow

*Todd K. Moeller*

Thesis: "Conley-Morse Chain Maps"  
Advisor: Dr. Konstantin Mischaikow

### **Doctor of Philosophy Psychology**

*Megan Lee Wilson*

Thesis: "An Investigation into the Factors that Affect Play Fighting Behavior in Giant Pandas"  
Advisor: Dr. Terry L. Maple

### **Doctor of Philosophy Physics**

*Kapilanjana Krishan*

Thesis: "Characterizations of Spatio-temporal Complex Systems"  
Advisor: Dr. Michael F. Schatz

*Aparna Prasad Shreenath*

Thesis: "Measuring Broadband, Ultraweak, Ultrashort Pulses"  
Advisor: Dr. Rick P. Trebino



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*Denis V. Tsygankov*

Thesis: "Spontaneous Synchronization of Josephson Junctions and Fiber Lasers"  
Advisor: Dr. Kurt A. Wiesenfeld

**Doctor of Philosophy  
Chemistry**

*Bahareh Azizi*

Thesis: "Chemical Complementation: a Genetic Selection System for Drug Discovery, Protein Engineering, and Deciphering Biosynthetic Pathways"  
Advisor: Dr. Donald F. Doyle

*Brian Carl Englert*

Thesis: "Jacketed and Functionalized Poly(paraphenyleneethynyls): Nonaggregating Conjugated Polymers and Materials Functionalized through Click Chemistry"  
Advisor: Dr. Uwe H. F. Bunz

*Akanksha Nagpal*

Thesis: "Crystal Structures of Nitroalkane Oxidase: Insights into the Structural Basis or Substrate Specificity and the Catalytic Mechanism"  
Advisor: Dr. Allen M. Orville

*Chad Michael Risko*

Thesis: "Theoretical Evaluations of Electron Transfer Processes in Organic Semiconductors"  
Advisor: Dr. Jean-Luc Bredas

*Lezah Willette Roberts*

Thesis: "The Effect of Netropsin on One-electron Oxidation of DNA"  
Advisor: Dr. Gary B. Schuster

*Lauren Jennifer Schwimmer*

Thesis: "Engineering Ligand-receptor Pairs for Small Molecule Control of Transcription"  
Advisor: Dr. Donald F. Doyle

*Igor Drasko Vilfan*

Thesis: "DNA Condensate Morphology — Examples from the Test Tube and Nature"  
Advisor: Dr. Nicholas V. Hud

*Liuchun Yang*

Thesis: "Design, Synthesis, and Evaluation of Fluorescent Sensors for Intracellular Imaging of Monovalent Copper"  
Advisor: Dr. Christoph J. Fahrni

**Doctor of Philosophy  
Materials Science and Engineering**

*Christopher Kawai Ma*

Thesis: "Systematic Investigation on the Growth of One-dimensional Wurtzite Nanostructures"  
Advisor: Dr. Zhong L. Wang

*Tsuyoshi Yamashita*

Thesis: "Unraveling Photonic Bands: Characterization of Self-collimation Effects in Two-dimensional Photonic Crystals"  
Advisor: Dr. Christopher Summers

**Doctor of Philosophy  
Textile Engineering**

*Hyunyoung Ok*

Thesis: "Particle-laden Drop Impingement on a Solid Surface"  
Advisor: Dr. Wallace W. Carr

*Kimberlee Fay Thompson*

Thesis: "Modification of Polymeric Substrates Using Surface-grafted Nanoscaffolds"  
Advisor: Dr. Stephen C. Michielsen

**Doctor of Philosophy  
Industrial Engineering**

*Yongpei Guan*

Thesis: "Pairing Inequalities and Stochastic Lot-sizing Problems: A Study in Integer Programming"  
Advisor: Dr. George L. Nemhauser

*Kai Huang*

Thesis: "Multi-stage Stochastic Programming Models in Production Planning"  
Advisor: Dr. Shabbir Ahmed

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*Matthew Ottis Jones*

Thesis: "Spatial Service Systems Modeled as Stochastic Integrals of Marked Point Processes"

Advisor: Dr. Richard Serfozo

*Virginia Kathlene Leonard*

Thesis: "Universal Access to Information Technology for Older Adults with Visual Impairments"

Advisor: Dr. Julie Jacko

*Brian Michael Lewis*

Thesis: "Inventory Control with Risk of Major Supply Chain Disruptions"

Advisor: Dr. Chelsea C. White

*Wuqin Lin*

Thesis: "Dynamic Control in Stochastic Processing Networks"

Advisor: Dr. Jiangang Dai

*Zhaosong Lu*

Thesis: "Algorithm Design and Analysis for Large-scale Semidefinite Programming and Nonlinear Programming"

Advisor: Dr. Renato D. Monteiro

*Abhyuday Mandal*

Thesis: "Some Contributions to Design Theory and Applications"

Advisor: Dr. Chien-Fu Jeff Wu

*Maciek Andrew Nowak*

Thesis: "The Pickup and Delivery Problem with Split Loads"

Advisor: Dr. Chelsea C. White

*Jerome Wade O'Neal*

Thesis: "The Use of Preconditioned Iterative Linear Solvers in Interior-point Methods and Related Topics"

Advisor: Dr. Renato D. Monteiro

*Christina Robinson Scherrer*

Thesis: "The Allocation of Scarce Resources in Public Health"

Advisor: Dr. Paul M. Griffin

*Kendra Cherie Taylor*

Thesis: "Sequential Auction Design and Participant Behavior"

Advisor: Dr. Joel S. Sokol

## **Doctor of Philosophy Aerospace Engineering**

*Gilles Eggenspieler*

Thesis: "Numerical Simulation of Pollutant Emission and Flame Extinction in Lean, Premixed Systems"

Advisor: Dr. Suresh Menon

*Sang Min Jeong*

Thesis: "Analysis of Vibration of Two-dimensional Periodic Cellular Structures"

Advisor: Dr. Massimo Ruzzene

*Sergey G. Nersesov*

Thesis: "Nonlinear Impulsive and Hybrid Dynamical Systems"

Advisor: Dr. Wassim M. Haddad

*Jinggen Zhao*

Thesis: "Dynamic Wake Distortion Model for Helicopter Maneuvering Flight"

Advisor: Dr. J. V. R. Prasad

## **Doctor of Philosophy Chemical Engineering**

*Shing-Yi Cheng*

Thesis: "Development of a Tissue-engineered Pancreatic Substitute Based on Genetically Engineered Cells"

Advisor: Dr. Athanassios Sambanis

*Rebecca S. Jones*

Thesis: "Carbon Dioxide as a Benign Solvent for Homogenous Catalyst Recovery and Recycle"

Advisor: Dr. Charles A. Eckert

*Young-soo Kim*

Thesis: "Crystallization and Solid-state Transformation of Pseudopolymorphic Forms of Sodium Naproxene"

Advisor: Dr. Ronald W. Rousseau

*Wijaya Martanto*

Thesis: "Microinjection into Skin Using Microneedles"

Advisor: Dr. Mark R. Prausnitz



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*Christopher Wayne Moore*

Thesis: "Microfabricated Fuel Cells to Power Integrated Circuits"  
Advisor: Dr. Paul A. Kohl

*Joe-Lahai Sormana*

Thesis: "Combinatorial Synthesis and High-throughput Characterization of Novel Polyurethaneurea Nanocomposites"  
Advisor: Dr. James C. Meredith

*Yanyan Tang*

Thesis: "Stereolithography Cure Process Modeling"  
Advisor: Dr. John D. Muzzy

*Ross Ritchie Weikel*

Thesis: "Using External Process Variables to Control Physical Properties for Greener Chemical Processes"  
Advisor: Dr. Charles A. Eckert

*Fangbin Zhou*

Thesis: "Novel Pervaporation for Separating Acetic Acid-Water Mixtures Using Hollow Fiber Membranes"  
Advisor: Dr. William J. Koros

### **Doctor of Philosophy Environmental Engineering**

*Robert James Greenwald*

Thesis: "Size-resolved Measurement of Water-insoluble Aerosol in Near Real Time: Instrumentation Development and Implementation"  
Advisor: Dr. Michael H. Bergin

*Do Hyong Kim*

Thesis: "Formation of Aromatic Compounds by Cyclopentadienyl Moieties in Combustion Processes"  
Advisor: Dr. James A. Mulholland

*Rosa Krajmalnik-Brown*

Thesis: "Genetic Identification of Reductive Dehalogenase Genes in Dehalococoides"  
Advisor: Dr. Frank E. Loeffler

*Youlboong Sung*

Thesis: "Isolation and Ecology of Bacterial Populations Involved in Reductive Dechlorination of Chlorinated Solvents"  
Advisor: Dr. Dimitrios N. Mavris

### **Doctor of Philosophy Civil Engineering**

*Amr Farouk Elhakim*

Thesis: "Evaluation of Shallow Foundation Displacements Using Small-strain Soil Stiffness"  
Advisor: Dr. Paul W. Mayne

*Gregory L. Hebel*

Thesis: "Multi-scale Behavior at Geomaterial Interfaces"  
Advisor: Dr. James D. Frost

*Hyun-ki Kim*

Thesis: "Spatial Variability in Soils: Stiffness and Strength"  
Advisor: Dr. Juan C. Santamarina

*Nahm Ho Lee*

Thesis: "Effect of Pressurization and Expulsion of Entrapped Air in Pipelines"  
Advisor: Dr. Charles S. Martin

*Tianfei Liao*

Thesis: "Post Processing of Cone Penetration Data for Assessing Seismic Ground Hazards, with Application to the New Madrid Seismic Zone"  
Advisor: Dr. Paul W. Mayne

*Benjamin John Mohr*

Thesis: "Durability of Pulp Fiber-Cement Composites"  
Advisor: Dr. Kimberly E. Kurtis

*Seungju Yoon*

Thesis: "A New Heavy-duty Vehicle Visual Classification and Activity Estimation Method for Regional Mobile Source Emissions Modeling"  
Advisor: Dr. Michael O. Rodgers

*Sungsoo Yoon*

Thesis: "Array-based Measurements of Surface Wave Dispersion and Attenuation Using Frequency-Wavenumber Analysis"  
Advisor: Dr. Glenn J. Rix

*Tae Sup Yun*

Thesis: "Mechanical and Thermal Study of Hydrate-bearing Sediments"  
Advisor: Dr. Juan C. Santamarina

**Doctor of Philosophy  
Electrical and Computer Engineering**

*Oguz Altun*

Thesis: "A 1.5V Multirate-Multibit Sigma Delta Modulator for GSM/WCDMA in a 90nm Digital CMOS Process"  
Advisor: Dr. Phillip E. Allen

*Brent Leland Bachim*

Thesis: "Characteristics, Applications, and Properties of Carbon-dioxide-laser-induced, Long-period Fiber Gratings"  
Advisor: Dr. Thomas K. Gaylord

*Soumendu Bhattacharya*

Thesis: "Alternate Testing of Analog and RF Systems Using Extracted Test Response Features"  
Advisor: Dr. Abhijit Chatterjee

*Alessandro Brawerman*

Thesis: "A Fraud-prevention Framework for Software Defined Radio Mobile Devices"  
Advisor: Dr. John A. Copeland

*Chao Chen*

Thesis: "Advanced Routing Protocols for Satellite and Space Networks"  
Advisor: Dr. Ian F. Akyildiz

*Yoonsu Choi*

Thesis: "A Three-dimensional Coupled Microelectrode and Microfluidic Array for Neuronal Interfacing"  
Advisor: Dr. Mark G. Allen

*Jianxuan Du*

Thesis: "Layered Space-Time Structure for MIMO-OFDM Systems"  
Advisor: Dr. Ye Li

*Wesley Albert Gee*

Thesis: "CMOS Integrated LC Q-enhanced RF Filters for Wireless Receivers"  
Advisor: Dr. Phillip E. Allen

*Vinu Govind*

Thesis: "Design of Baluns and Low-noise Amplifiers in Integrated Mixed-signal Organic Substrates"  
Advisor: Dr. Madhavan Swaminathan

*Arum Han*

Thesis: "Microfabricated Multi-analysis System for Electrophysiological Studies of Single Cells"  
Advisor: Dr. Albert B. Frazier

*Mohamed Mosaad Abd El Hamid Hilali*

Thesis: "Understanding and Development of Manufacturable Screen-printed Contacts on High Sheet-resistance Emitters for Low-cost Silicon Solar Cells"  
Advisor: Dr. Ajeet Rohatgi

*Paul Sung Hong*

Thesis: "Octave-band Directional Decompositions"  
Advisor: Dr. Russell M. Mersereau

*Gregory Robert Kilby*

Thesis: "Infrared Methods Applied to Photonic Crystal Device Development"  
Advisor: Dr. Thomas K. Gaylord

*Jae Hong Kim*

Thesis: "Wide-band and Scalable Equivalent Circuit Model for Multiple Quantum Well Laser Diodes"  
Advisor: Dr. Martin A. Brooke

*Shengyuan Li*

Thesis: "RF On-chip Filters Using Q-enhanced LC Filters"  
Advisor: Dr. Phillip E. Allen



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*Anthony Dac Lieu*

Thesis: "A New Architecture for Low-voltage, Low-phase, Noise-high-frequency CMOS LC Voltage-controlled Oscillator"  
Advisor: Dr. Phillip E. Allen

*Jun Cheol Park*

Thesis: "Sleepy Stack: A New Approach to Low-power VLSI Logic and Memory"  
Advisor: Dr. Vincent J. Mooney

*Allen John Petrin*

Thesis: "Maximizing the Utility of Radio Spectrum: Broadband Spectrum Measurements and Occupancy Model for Use by Cognitive Radio"  
Advisor: Dr. Paul G. Steffes

*Rana Jitendra Pratap*

Thesis: "Design and Optimization of Microwave Circuits and Systems Using Artificial Intelligence Techniques"  
Advisor: Dr. Gary S. May

*Hua Qian*

Thesis: "Power Efficiency Improvements for Wireless Transmissions"  
Advisor: Dr. Guotong Zhou

*David Lee Robie*

Thesis: "Error Correction and Concealment of Block-based, Motion-compensated Temporal Prediction, Transform Coded Video"  
Advisor: Dr. Russell M. Mersereau

*Martin Saint-Laurent*

Thesis: "Modeling and Analysis of High-frequency Microprocessor Clocking Networks"  
Advisor: Dr. Madhavan Swaminathan

*Peter Gene Sassone Jr.*

Thesis: "Characterization and Avoidance of Critical Pipeline Structures in Aggressive Superscalar Processors"  
Advisor: Dr. Donald S. Wills

*Jaemin Shin*

Thesis: "Rapid Predictive Modeling for High-frequency Interconnect on Low-cost Substrates"  
Advisor: Dr. Martin A. Brooke

*Guocong Song*

Thesis: "Cross-layer Resource Allocation and Scheduling in Wireless Multicarrier Networks"  
Advisor: Dr. Ye Li

*Roland Sperlich*

Thesis: "Adaptive Power Amplifier Linearization by Digital Predistortion with Narrowband Feedback using Genetic Algorithms"  
Advisor: Dr. James S. Kenney

*Guizhen Zheng*

Thesis: "Low-power Reconfigurable Microwave Circuits using RF MEMS Switches for Wireless Systems"  
Advisor: Dr. John Papapolymerou

**Doctor of Philosophy  
Nuclear and Radiological  
Engineering**

*Hasani Omar Wooten*

Thesis: "Time-dependent Neutron and Photon Dose Field Analysis"  
Advisor: Dr. Nolan E. Hertel

**Doctor of Philosophy  
Mechanical Engineering**

*Scott Edward Chesla*

Thesis: "Two-dimensional (Solid-phase) Kinetic Analysis of FC Gamma Receptor III (CD16) Interaction with IgG"  
Advisor: Dr. Cheng Zhu

*Stacy Marie Imler*

Thesis: "In Vitro Modulation of Menicus Biosynthesis: A Basis for Understanding Cellular Response to Physiologically Relevant Stimuli"  
Advisor: Dr. Marc E. Levenston

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*Akio Kita*

Thesis: "Measurement of Weld Penetration Depth Using Non-contact Ultrasound Methods"  
Advisor: Dr. Ifeanyi C. Ume

*Sakethraman Mahalingam*

Thesis: "Study of Interfacial Crack Propagation in Flip Chip Assemblies with Nano-filed Underfill Materials"  
Advisor: Dr. Suresh K. Sitaraman

*Michael Michaux*

Thesis: "Suppression of Friction-induced Oscillations through Use of High-frequency Dither Signals"  
Advisor: Dr. Kenneth A. Cunefare

*Biswajit Mitra*

Thesis: "Supercritical Gas Cooling and Condensation of Refrigerant R410A at Near-critical Pressures"  
Advisor: Dr. Srinivas Garimella

*Douglas Edward Spearot*

Thesis: "Atomistic Calculations of Nanoscale Interface Behavior in FCC Metals"  
Advisor: Dr. David L. McDowell

*JingYing Zhang*

Thesis: "Process Optimization for Machining of Hardened Steels"  
Advisor: Dr. Steven Y. Liang

*Haihong Zhu*

Thesis: "Practical Structural Design and Control for Digital Clay"  
Advisor: Dr. Wayne J. Book



# Master's Degree Candidates

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## Master of Science

*Takao Adachi*

Civil Engineering

*Tara Agarwal*

Electrical and Computer Engineering

*Sreechand Boppudi*

Electrical and Computer Engineering

*Ryan Brucks Brown*

Environmental Engineering

*Dean Alan Bucher*

Aerospace Engineering

*Shuo-Ju Chou*

Aerospace Engineering

*Don Michael Clark*

Aerospace Engineering

*Jonathan Austin Colby*

Aerospace Engineering

*Zhenting Dai*

Electrical and Computer Engineering

*Etienne J. Dufour*

Mechanical Engineering

*Chul Hwa Hong*

Aerospace Engineering

*Gang Huang*

Electrical and Computer Engineering

*Theresa Teh-Lan Fu*

Environmental Engineering

*Stefan Grubic*

Electrical and Computer Engineering

*Wen Jiang*

Electrical and Computer Engineering

*Dong Keon Kim*

Civil Engineering

*Kenneth Brian Kulig*

Electrical and Computer Engineering

*Haiying Liu*

Aerospace Engineering

*Jin Liu*

Electrical and Computer  
Engineering

*Sumit Subodhchandra Mishra*

Aerospace Engineering

*Symeon Nikolaou*

Electrical and Computer Engineering

*Richard Edward Otero*

Aerospace Engineering

*Kerry Edythe Preston*

Environmental Engineering

*Marius Dominik Richter*

Electrical and Computer Engineering

*Laura Elizabeth Rowe*

Electrical and Computer Engineering

*Denton Lee Schantz*

Environmental Engineering

*H. Keifsen Schleifer*

Architecture

*Susheel-Kumar Sekhar*

Aerospace Engineering

*Padmanava Sen*

Electrical and Computer Engineering

*Joseph E. Solomon*

Aerospace Engineering

*Andrew Paul Stone*

Electrical and Computer Engineering

*Michael Han-Wei Sun*

Electrical and Computer Engineering

*Tarang P. Taunk*

Architecture

*David Howard Thomas*

Electrical and Computer Engineering

*Nurkan Turkdogru*

Aerospace Engineering

*Vilas Viswanathan*

Aerospace Engineering

*Katherine Signs Wade*

Environmental Engineering

*Gewei Wang*

Economics

*Latrice Danette Watkins*

Architecture

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*Tobias Daniel Werth*  
Electrical and Computer Engineering

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

*Enrique Michel-Sanchez*  
*James Andrews Stockard*

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

*Edward Henry Chavis III*

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

*James Richard Clawson*

**Master of Science  
in Bioengineering**

*William Boatin*  
*Veerdhaval Vijay Mahajan*  
*Ramaldo S. Martin*  
*Timothy Matthew Patz*

**Master of Science  
in Statistics**

*Jie Chen*  
*Shuchun Wang*

**Master of Science  
in Information Security**

*Richard Thomas Brown*

**Master of Science  
in Computer Science**

*Fernando Alegre*  
*Preetesh Suhas Banthia*  
*Yang Chu*  
*Ryan Scott Collins*  
*Kenion Eugene Edwards IV*  
*Sujoy Gupta*  
*Michael Hagenau*  
*Ryan David Johnston*  
*Derrick Hushang Karimi*  
*Alexander Kipp*  
*Peter B. Krauthausen*

*Brian Michael Landry*  
*Sonja Michaela Maier*  
*Matthew Brendon Migh*  
*Ramprasad Ravichandran*  
*Shetu Navin Shah*  
*Rebecca Summerville Shillingburg*  
*Tazama Upendo St. Julien*  
*Sarah Tariq*  
*Prashant J. Thakare*  
*Aarjav Jyotindra Trivedi*  
*Andreas Von Hessling*  
*Jun Xiao*  
*Kemin Yang*

**Master of Science  
in International Affairs**

*Adam Stuart Mathis*  
*Nicholas Aaron Smythe*  
*Gurkan Uzunali*  
*Brandon Thomas Watkins*

**Master of Science  
in Information Design and  
Technology**

*Abhishek Kumar*

**Master of Science  
in Public Policy**

*Brecca Lorene Berman*  
*Victoria Claire Foster*  
*Euiseok Kim*  
*Heather Rae Whaler*  
*Allison Marie Yasitis*  
*Sara Elizabeth Zecher*

**Master of Industrial Design**

*Wade Frank Burch*  
*Jonathan Wesley McGee*

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

*Marcus Eaton Williamson*

**Master of Architecture**

*Alyssa Shank Durden*  
*Carlos J. Garcia*



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**Master of City and Regional Planning**

*Michael L. Fleming*

**Master of Science in Management  
of Technology**

*Karl D. Bryant  
Michael Claude Owens*

**Master of Business Administration**

*Derrick Bernard Callander*

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

*Sawyer Ross Gosnell  
Gabriel John Hebert  
Dana Marie Long  
Timothy James Nowak  
Andrea Elizabeth Thompson  
Violeta Eleonora Toma  
Yan Zhang*

**Master of Science in Psychology**

*Chia-Huei Emily Ko  
Elisabeth Nantana Lawler*

**Master of Science  
in Applied Biology**

*Shamika Chamell Danzy  
Russell Whitney Hanson  
Melissa Kathryn Hicks  
Esther P. Tennant  
Wenjing Zheng*

**Master of Science  
in Bioinformatics**

*Amin Altaf Momin*

**Master of Science in Mathematics**

*Abubakr Muhammad  
Ying Wang  
Jiang Xiao*

**Master of Science in Physics**

*Ying Fang  
Michael John Gibbons  
James Thomas Williams Jr.*

**Master of Science in Chemistry**

*Joanna Balsamo  
Charles M. Gumienny III  
Huijing Jiang  
Mehmet Nuri Kutukcu  
Douglas Alexander Rudolph  
Roel Sigifredo Sanchez-Carrera  
Ekaterina V. Sevostiyanova  
Chikaodili Umeweni*

**Master of Science in  
Biomedical Engineering**

*Beth Michelle Boulden*

**Master of Science in  
International Logistics**

*William Patrick Long Jr.  
Sarbani Bublu Thakur-Weigold*

**Master of Science in Medical Physics**

*Benjamin Amos Hanson  
Caleb Isaac Price  
Christopher John Williamson*

**Master of Science in Health Physics**

*Andrew G. Palmiotti*

**Master of Science in Health Systems**

*Wogene Girma  
Rehan Virani*

**Master of Science in  
Nuclear Engineering**

*Jesson D. Hutchinson  
Ryan A. Lorio  
James Warren Maddox*

---

**Master of Science in  
Operations Research**

*Erlhan Akbayrak  
Gorkem Bedir  
Ozgun Caliskan Demirag  
Jose Antonio Carbajal-Orozco  
Daniel Lee Cohen  
Jenny Diaz-Ramirez  
Reidar Hagtvedt  
Eric Bruno Maurice Silie  
Courtney Elizabeth Wright*

**Master of Science in  
Industrial Engineering**

*Soner Sitki Aksoy  
Ozgun Caliskan Demirag  
Carlo Cavassa  
Kangrim Choi  
Wilson Ken Clemons  
Al Harjati  
Tobias Hegmanns  
Randolph Henderson  
Urvi Sudhir Kapadia  
Zichao Li  
Runping Lin  
Luis Enrique Lucca  
Renee Teresa Martin  
Eric Jacento Orrington  
Ye Pan  
Abdelwadoud M. Hashem Rassas  
Sebastian Ruther  
Noah Henry Schellenberg  
Pranjal N. Shah  
Francisco A. Tamayo-Enriquez  
Mario Cesar Velez-Gallego  
Sascha Wohlgemuth  
Jiheng Zhang*

**Master of Science in  
Aerospace Engineering**

*Preetham .  
James B. Armor III  
Michael G. Balchanos  
Graham Wesley Clark  
Rebecca Jean Douglas  
Barry Mark Hellman  
Chiung-Hsia Hung  
Hernando Jimenez  
Matthew Benedict Konopa  
Adeel Mahfooz  
Meryem Magdalena Marcelet  
Venkateswarlu Narra  
Benjamin Hancock Poole  
Nicolas Portier*

*Richard Craig Reifsnyder  
Caroline Salvy  
Santosh Janardhan Shanbhogue  
Rong Song*

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

*Shawn Michael Allan  
Nitesh Kumbhat  
Michael Robert Middlemas  
Helene Sylvia Rick  
Abhishek Sai Sivapurapu*

**Master of Science in  
Chemical Engineering**

*Stephanie Cecile Barthe  
Michael Raymond Dance Jr.  
Ana Carmen Fernandez  
Christos Ioannis Fountoukis  
Shikha Jain  
Elizabeth Lynn Newton  
Krista Joy Pallay  
Padmini Rangamani  
Ryan Patrick Slopek  
Gregory D. Smith  
Beng Joo Reginald Thio  
Robyn Danielle Williams*

**Master of Science in  
Environmental Engineering**

*Christopher John Berry  
Richard Roy Elliott  
Edward Archibald McCallum  
Piti Piyachaturawat  
Urvi Dinesh Tulsiani*

**Master of Science in  
Civil Engineering**

*Evan A. Bennett  
Scott Robinson Canfield  
James Benjamin Deaton  
Eido Einav  
Joel Christopher Gordon  
Robert Anthony Haines  
Seung ho Hong  
Alen Horta  
Jong Wan Hu  
Thordur Ingimar Kristjansson  
Oliver Lopez  
Jason Paul McCormick  
Dashaun Montell Milling*



Myra Antoinette Monreal  
Genique Shantell Nicholson  
Bradley William Penar  
Elizabeth Maria Perez  
Katherine Denise Rasberry  
Veronica Rebata-Landa  
Kevin Jackson Smith  
Charles Allen Smithers  
Joel Bruce Wood Jr.

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

Adnan Ahmed  
Nadim Assem Alameddine  
Muhammed Salem Al-Sinawi  
Timothy Michael Andrews  
Ali Hasan Burney  
Kevin Chean  
Maxime Louis Darbois  
Daniel Anthony Davis  
Michelle Shervon Deal  
Renaud Delaplace  
Justin David Durfee  
Siddharth Sangam Easwar  
Guillaume Francois  
Francois Gallai  
Curtis Morrow Grens  
Joshua D. Griffin  
Ming Teng Han  
Michael Benjamin Healy  
Paul Hominal  
Garret Ryerson Jarvis  
Michael Justin Kroger  
Nihal Sanjay Ladivwala  
Xavier J. Le Faucheur  
Joseph Michael Lee  
Damien Hugues Jacques Leschevin  
De Prevoisin  
Florent Jean James Loiselay  
Marc Lukowiak  
Christine Kay McCollum  
Richard A. Meador  
Mathias Pierre Michalski  
Brian Patrick Milesosky  
Patrice Fabian Millecamps  
Bruce Edward Mitchell  
Jeffrey Scott Moynihan  
Mustayeen Billah Nayeem  
David Brackin Nicol  
Timothy J. Norwood  
Janak Jashbhai Patel  
Tyler Wade Pender  
William John Potscavage Jr.  
Hibah Rahmani  
George Marlon Roberts  
Achal Sanmukh Sakaria  
Julien Schneider

Mohanned Omar Sinnokrot  
Jonathan Page Siplon  
Gregory John Stanton  
Akil Khamisi Sutton  
Julien Traisnel  
Andrew Jay Tudor  
Hitesh Jagdish Upadhyay  
Christopher T. Yates II  
Mina Fahd Youssef

**Master of Science in  
Mechanical Engineering**

Mark Richard Abel  
Walid Maurice Abou-Jaoude  
Jamil O. Ahmad  
Ashante Chevaghna Allen  
Ryan A. Austin  
Jeffrey William Badertscher  
Theodore Joseph Baun  
Gerrit Becker  
Luca Bertagna  
Julie Lynn Boddington  
Iman Borazjani  
Jason L. Bowers  
Russell Conway Burkey  
Barton Patrick Carter  
Lorenzo Crosatti  
Gary Lynn Daves  
Jeffrey Steven Davies  
Jared Ashley Dervan  
Matthew Delos Determan  
Nguyen Ba Do  
Scott Crawford Driscoll  
Marietsa Louise Edje  
Zhiliang Fan  
Brandon David Fisher  
John Lyle Fouts  
Zachary Ryan Frady  
Darren Harold Franck  
Jason Dean Fuller  
William Wyly Gilfoil  
Giangiacomo Groppi  
Charles Clarence Hagadorn III  
Matthew Wesley Hammond  
Daniel George Hays  
Thomas Arthur Holst  
Michael C. Huang  
John Drew Ireton  
David Paul Johnson  
Kevin Michael Klein  
Nicholas Ives Krizan  
Boris Jean Stanislas Kujawa  
Martin Singgih Kurnadi  
Cyril Labidi  
Chao-Chieh Lan  
Allen Roger Lang  
Michail Lamprou Lazarakis

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Bong Jae Lee  
Kang Joon Lee  
Anne-Marie Albanese Lerner  
Daniel Bruce Lockhart  
Margaret Loraine Lowder  
Russell Kenneth Marzette Jr.  
Larry K. McCarthy  
Matthias Jan Wolfgang Messer  
Jonathan Michael Morris  
Meredith Leigh Murphy  
Glynn Newby  
Nurudeen Oladipupo Olayiwola  
Andres Osorno  
Daniel Osorno  
Maria Mercedes Otero  
Ivan Dario Parra  
Steven Craig Penn  
Steven Joseph Rekuc  
Nathan Wayne Rolander  
Chad Earl Cousteau Ryther  
Audric Saillard  
Temsiri Sapsaman  
Erich Hans Schlender  
Steven John Severtson  
Dmitry Shlyubsky  
Gerrett Charles Snediker  
David Randolph Spracher  
David M. Stobbe  
Siarhei Gennadievich Tsiareshka  
Robert Paul Wadell  
Kyle Grant Webber  
Jamal Omari Wilson  
Sebastien Jean Wolff  
Edward Wingtak Wong  
Michael Wesley Yarnold  
Inho Yoon



# Bachelor's Degree Recipients

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## College of Computing

### Bachelor of Science in Computer Science

#### Highest Honor

Wesley Grant Augur  
Lindsey D. Barlow  
Narasimha Rao Bayyana  
Dennis Antonio Delgado II  
Jacob Phillip Goulding  
Sabina Karkin  
David J. Loibl  
Jonathon Mark Mehlberg  
Thomas Adam Parry  
Nirmal Amritlal Thakker

#### High Honor

Anthony Francis Barone  
Nicholas Brian DePalma  
Kyle Alan George  
Scott Merin McRae

#### Honor

Jeffrey Alexander Bidzos  
Andrew Thomas Rowan  
Joseph W. Yeager

#### Shitij Agarwal

Matthew Robert Balaun  
Nick Black  
Harrison Benton Caudill  
Sungnim Chung  
Justin Dale Coffman  
Salil Das  
Andrew Winter Davenport  
Jarvis D'Shaun Greene  
Justin I. Kuo  
Shamsuddin Nasirudin Lakha  
Seth Weisfeld Levy  
Marco Lin  
Mark Luffel  
Colin Smith Minihan  
Jason R. Murad  
Matthew Bryan Ordonez  
Daniel Jack Peck  
Hoyt Summers Pittman III  
Justin Michael Richter Purdy  
Christopher William Rogers  
Khashayar Steven Sheibani  
Walter Andrew Stevens  
Joseph Saxon Unrue  
Wesley Proctor Wilson  
Jeffery William Yeary  
Danish Ahmed Zia

### Bachelor of Science in Computer Science Cooperative Plan

Janet Nicole Abdul-Karim  
Christopher John Donovan  
Jeremiah Zadok Drysdale  
Robert Scott Harlan  
Michael Benjamin Helman-Darley  
Michael Chase Peeler  
Steven Adam Scott  
Elisha Maureen Waugh

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## Irvin Allen College of Liberal Arts

### Bachelor of Science in Public Policy

#### High Honor

Donovan L. Newton

#### Honor

Alejandro D. Suarez

Brandon Dallas Latham

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

Lauren Ivy Moore

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

#### Highest Honor

Shelly Lynn Krueger  
Constance Maloof Mansour

#### Honor

Zachary Alan Keebaugh

Kellie Nicole Coffey  
Maxwell LaRonn Frazier  
Alan Joseph Milton

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

#### Highest Honor

Elizabeth Rena Askarinam  
Cameron Blake Davis

---

Meghan Elizabeth Skelly  
Michael Thomas Watson

**Bachelor of Science in  
International Affairs**

Highest Honor  
Brandon Michael Paladino

High Honor  
Nicholas Owen Kelley  
Whitney Caron Watts

Molly Kathleen Allen  
Mary Grace Han  
Jean Yeong Kim

**Bachelor of Science  
in Economics**

Honor  
Anne Catherine Dipiro

Wadala Patrice Jackson

---

*College of Architecture*

**Bachelor of Science**

Highest Honor  
Amber Elizabeth Howard

Honor  
Lauren Michelle Carey

Megan Elizabeth Murphy

**Bachelor of Science  
in Building Construction**

Honor  
Christopher John Moore  
Michael Aaron Shaw

**Bachelor of Science  
in Industrial Design**

Highest Honor  
Courtney Erin Pinyerd

Jamila Alem Hinds  
Bokum Lee  
Kelli Christine Lewis

Naomi Nakahara  
Charles Park  
Neil John Varlamoff  
Brent Andrew Wingfield

---

*College of Management*

**Bachelor of Science  
in Management**

Highest Honor  
Azba A. Habib  
Ashley Claressa Poppell  
Lauren Amanda Sauer  
Marcus B. Thomas  
Yi Yin

High Honor  
Adrienne Caroline Lacy  
Julie Nicole Mangham  
Yury Starobinets  
Heather Renee Thompson

Honor  
Andrew Land Chiles  
Lukas Kristoffer Fortunato  
Britney Ellen Keener  
Janet Stephanie Moody

Emily Beth Amyx  
Kyle Evan Bakker  
Elizabeth Leona Bartle  
Archna Bhatt  
Neil Christopher Bonser  
Emily F. Cavender  
Wai Bun Cheung  
Omar Khalid Clarke  
Travis William Coates  
Joseph Michael Cohn  
McDonald Austin Fawcett Jr.  
Jonathan Claxton Fountain  
Jetash Mukund Gangwal  
Jeffrey Ryan Holbrook  
Anthony Michael Hoover  
Jonathan Corey Jones  
Laura LaFleur Kuhn  
Samantha Kristen Kurtze  
Amaryllia Jane-Wen Liu  
Scott Killmon Macdonald  
Martha Ellen Marschalk  
Cheston Michael McAllister  
Steven Tyler Patterson  
Christopher Andrew Phillips  
Matthew Evan Ramsey  
Shaun M. Randall  
Joshua Allen Reid  
Robert Wilmot Roberds



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*Benjamin James Roberts  
Niraj S. Shetty  
Nathan George Smith  
Ameer Rashad Solomon  
William Paul Song  
Scott Andrew Springfield  
Lee Victor Sussman  
Ashlyn Sarah Wadley  
Christopher Wayne Warrick  
Eric Edward Webb  
Chirod Alexander Williams  
Brett Randall Wilson*

**Bachelor of Science  
in Management  
Cooperative Plan**

**High Honor**  
*Elizabeth Marie Stoner*

*Hailing Li*

---

*College of Sciences*

**Bachelor of Science  
in Applied Biology**

**Highest Honor**  
*Amanda Lynn Hook*

**Honor**  
*Jonathan Martin Longhitano*

*Nina Amir  
Jennie Elizabeth Burnham  
Helen Chang-Chien  
Martina Irene Minneci  
Patrick Warren Parkman  
Jane Seymour Woodrow*

**Bachelor of Science  
in Applied Biology  
Cooperative Plan**

*Michael Brett Fisher*

**Bachelor of Science  
in Applied Psychology**

**High Honor**  
*Antonette R. Geddis*

*Neil Christopher Bonser  
James Mathieu Fury Cobb  
Robert Michael Metger*

**Bachelor of Science  
in Applied Mathematics**

**Highest Honor**  
*Steven Paul Lansel*

*Jessica Ann Snyder*

**Bachelor of Science  
in Physics**

**Highest Honor**  
*Bradley Cole Wray*

*Christopher David Bentley  
Harrison Benton Caudill  
Michael Patrick Fick  
Joseph Paul Garbitelli*

**Bachelor of Science  
in Chemistry**

**Honor**  
*Shino Ohira*

*Alana Kourtney Moore*

---

*College of Engineering*

**Bachelor of Science  
in Biomedical Engineering**

**Highest Honor**  
*Ambika Bumb*

**High Honor**  
*Stephen Matthew Myers  
Andrew Lawrence Raines*

**Honor**  
*Briana A. Burgess  
Michelle Marie Wroblewski*

*Kimberly Ann Kulka  
Michael Verga*

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**Bachelor of Science  
in Computer Engineering**

**Highest Honor**

*Melissa Amoros  
Anita Natarajan  
Gaurav Tuteja  
Weijia Yang*

**High Honor**

*Redwan Kabir*

**Honor**

*Steven Wayne Campbell  
Mohit Jain  
Troy Omesh Latchman  
Ananta Raj Pandey*

*Gary Arthur Doney Jr.  
Michael Huang Ma  
Jonathan Scott Monteith  
Rebecca Frances Murray  
Saurabh R. Patel  
Peter Gregory Sahlstrom  
Hang Minh Vu*

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

**Highest Honor**

*Anthony Nelson Hylick*

*Lucas Alan Alford  
Wayward Hank Gay  
Waldemar Zygmunt Mlynarski Jr.  
Ryan Kenneth Myers*

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

*William John Murphy*

**Bachelor of Science  
in Industrial Engineering**

**Highest Honor**

*Carolina Ramos Borges  
Tian Pwv Kym Chang  
Lauren Ruth Thacker  
Weijia Yang*

**High Honor**

*Antonette R. Geddis  
Usman Manzoor Khalid*

**Honor**

*Brittany Summer Davis  
Phillip Sho Gillespie  
Asif A. Kazani  
Adam Stephen Rykowski*

*Tanvir Abbass Chouhan  
Jacob Yakov Cohen  
Inman Thomas Dubberly  
Cabe Trent Duncan  
Adrienne Jennifer Hairston  
Phu Du Lam  
Taeree Lee  
Jessica Wing-See Li  
Joon Soo Park  
David Paul Pressley  
Marcus Antuan Smith  
Nicole Renee Spencer  
Stephanie Marie Stanberry  
Zain Sultan  
Robinette LaShunn Virgil  
Raymond Shane-Wen Woo  
Raymond Y. Yu*

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

**High Honor**

*Joel Richard Gaddy*

*Henry Lee Adams  
Maria Chihane  
Daniel Michael Hater  
Micah David Hotchkiss  
Ryan Clark Johnson  
Theresa Elaine Larkins  
Thomas Fraser Livingston II  
Nimesh Natvar Patel  
Charles Thomas Tinsley IV*

**Bachelor of Science  
in Aerospace Engineering**

**Honor**

*Corey Luke Featherly  
Jason David Liles*

*Brett William Britten  
Natalie Nikole Long  
Lara Isabel Ogle  
Frank Henry Patterson IV  
Kristen Lori Reynolds  
Darren Joel Sabino  
Ryan Lee Solomon  
J. Mark Streeter Jr.  
Joseph Scott Wilson*



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

*Jonathan Evan Holder  
Matthew Kolman Miklos*

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

**Highest Honor**  
*Matthew Darrell Cain  
Stephen Scott Fisher  
Jason Thomas Schmaltz*

**Honor**  
*Byron Gladus Best III  
Travis Huston Dunlap  
Megan Jessica Lane  
Anuj Dinesh Mahajan  
Edgardo Santiago-Maldonado*

*Robert Greg Amerson Jr.  
Mudiagan Agbagbara Benard  
Louis Anthony Darrouzet  
Jeffrey J. Davis  
Michael McMahon Enos  
Aaron Tobias Jackson  
Zachary R. Kraus  
Kristle Lenise McBride  
Jennifer Denise McCurry  
James Franklin Parkinson IV  
Mikhail Valikhovskiy  
Amin Zargar*

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

*Lee Thomas Hill*

**Bachelor of Science in  
Textile Enterprise Management**

*Nicole La'Sha Benton*

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

*Marshal Allen Strobel*

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

**Highest Honor**  
*Elza Bystrom*

*Derek Chase Brantley  
Leslie Paul Kelley  
Daniel Benjamin Manny  
Jason Howard Perry*

**Bachelor of Science  
in Civil Engineering**

**Highest Honor**  
*Robert Samuel Hurt  
Dustin Thomas Reed*

**High Honor**  
*Michael Douglas Woelfl*

**Honor**  
*Christopher Paul Arjona  
Kathleen Rosemarie Duffy  
Lauren Elizabeth McCormick  
Joseph Russell Ross Jr.  
Amy Elizabeth Sceviour  
Russell Chambers Smith*

*Caitlin Carrington Crum  
Rees Edward Culpepper  
John Ata Fard  
Mariel Dalmi Friberg  
David Clinton Hannon  
Marcus D. Holmes  
Timothy Alan Lamutt  
Philip H. Manavi  
Stephen Walter Moore  
Catherine Allyse Prince  
Ujala Qadir  
Kurt Stephen Rowland  
Nguyen Vu Doan Vo  
Alana Amber Watson  
Reese Allen Williams  
Jessica Louise Winston  
Xiyan Zhang*

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

*James Louis Mitchell  
Samuel William Simpson III*

---

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

Highest Honor  
*Bert Everett Moore*

*Courtney Gail Pennington*  
*Deshad Tramayne Werts*

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

*William Henry Gibson*

**Bachelor of Science  
in Electrical Engineering**

Highest Honor  
*Joseph William Bennett*  
*Adam Eisenman*  
*Jacob Phillip Goulding*  
*David Michael Grace*  
*Steven Paul Linsel*  
*Omar Mustafa*  
*Sergio Pieiga III*  
*Patryk S. Prus*  
*Abhay Saboo*  
*Tianyu Tom Wang*

High Honor  
*Sriram Narasimhan*

Honor  
*Jonathan David Epps*  
*Mark Richard Gallacher*  
*Anubhav Srivastava*

*Emmanuel C. Azih*  
*Brett Raymond Berens*  
*Richard Lawrence Bourgault*  
*Rashaan Edward Campbell*  
*Jonathan Raymond Clark*  
*Asaf Cohen*  
*Nia Rahsheeda Cook*  
*Kinh Cong Dinh*  
*Jonathan Edward Epstein*  
*Jenny Feng*  
*Derek Lynzie Garrett*  
*Jonathan William Goldin*  
*Freddy Ho*  
*Aaron Zachariah Kurian*  
*Jea Ryung Lee*  
*Todd Lawrence Lyon*  
*Erica Lavette Manley*

*Jeffrey Alan Manning*  
*Stephen Michael Moon*  
*Jaimini Sunjeen Panini*  
*Michael Ashton Parker*  
*Akshar R. Patel*  
*Ian Findly Sharpe*  
*Yin-Chun Eugene Wang*  
*Endrias Abiy Woldegiorgis*  
*Zachary Daniel Wyatt*  
*Rosa Younessi*

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

Highest Honor  
*Bryan Scott Fitzgerald*  
*Gregory Thomas Heim*

Honor  
*Rohit Ogra*  
*Biren Chandrakant Patel*  
*Rushi J. Vyas*

*Michael Joseph Connell*  
*Herschel Regan Haneline*  
*Matthew Robert Kuhlke*  
*Stephen E. Santilian*  
*David Aaron Ziskind*

**Bachelor of Science  
in Mechanical Engineering**

Highest Honor  
*Nicolai Carl Jones*  
*Pete Manglogiannis*  
*Thang Van Nguyen*

High Honor  
*Katherine Ann Adams*  
*Lindsey Michelle Heine*

Honor  
*Charles Hudson DeLee*  
*Frank Nguyen Tran*  
*Emilie Arrington Tullis*

*Scott Michael Baker*  
*Andre Bass*  
*Bizuayehu Gebregiorgis Bekele*  
*Christopher David Bentley*  
*Brian Matthew Bonner*  
*Jonathan Turnbull Chihoski*  
*Daniel Lee Denney*  
*Joshua Andrew Emrich*  
*Joseph Corry Fulton*  
*Jeffrey Scott Huntebrinker*



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*Christine Susan Jacob*  
*Robert William Jaeger*  
*Michael William Kaar*  
*Benjamin Keith Kingsley*  
*Michael E. Levins II*  
*Holly Kay Lewis*  
*Lee Sheldon Macke*  
*Jodie Ann Nettles*  
*Thai Huu Nguyen*  
*Min H. Noh*  
*John Pendley*  
*Yoni Guy Pollak*  
*Michael Garrett Reno*  
*Dapinder Singh Sandhu*  
*Christopher Gifford Siegel*  
*Philip Stuart Smith*  
*Yura Vinitsky*  
*Michael Anthony Walliser*  
*Mert Zorlu*

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

**Highest Honor**  
*Avi Melech Robbins*

**High Honor**  
*James Stewart Nelson*  
*Nicholas Alfredo Treadwell*  
*Christopher Bradley Vale*

**Honor**  
*Justin Mathew Edwards*  
*Christopher W. Houston*  
*Justin Scott Jackson*

*Jason Kyle Bowlin*  
*Elizabeth Gray Carter*  
*Perry Charles Haman*  
*James Warren Hill Jr.*  
*Adam Ross Jones*  
*Corey Ray Pope*  
*William Calbraith Pryse Jr.*  
*Nicholas Alan Sabogal*  
*Jillian Ashley Walter*  
*Phillip Daniel Warren*

# President G. Wayne Clough, Ph.D. Georgia Institute of Technology

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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 in 1996. He received the George Westinghouse Award from the American Society of Engineering Education in 1986 for outstanding teaching and research. Elected to the National Academy of Engineering (NAE) in 1990, 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; member, 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*  
*Thomas K. Gaylord, Ph.D.*

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For more than thirty years, Dr. Thomas K. Gaylord has made significant contributions to the curriculum and programs at Georgia Tech. He was instrumental in the founding and development of the optics educational and research programs in the School of Electrical and Computer Engineering—including the development of courses in optical engineering; integrated optics; modulation; diffractive and crystal optics; and materials, processes, and devices in optoelectronics, as well as the development of optics research programs and research and instructional laboratory facilities.

Dr. Gaylord is the Julius Brown Chair and Regents' Professor of Electrical and Computer Engineering. He received a B.S. in physics and an M.S. in electrical engineering from the University of Missouri-Rolla and a Ph.D. in electrical engineering from Rice University.

He is the author of 350 technical publications and twenty-five patents in the areas of diffractive optics, optical interconnects, optoelectronics, and semiconductor devices. He is co-developer of the Rigorous Coupled-Wave Analysis (RCWA) for the exact analysis of grating diffraction. He has developed exact analogies between electromagnetic optics in dielectrics and electron wave optics in semiconductors. He has also contributed to the development of holographic data storage, fiber gratings, semiconductor quantum optoelectronic devices, birefringence measurements, photonic crystals, and chip-level optical interconnects.

Dr. Gaylord is the recipient of the Curtis W. McGraw Research Award from the American Society for Engineering Education (ASEE), the Institute of Electrical and Electronics Engineers (IEEE) Graduate Teaching Award, and the Georgia Tech Distinguished Professor Award. He is a fellow of the Optical Society of America, the IEEE, and the American Association for the Advancement of Science.

## The Mace

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In academic ceremonies, the mace is an ornamental staff carried as a symbol of authority. The office of the mace bearer,

though purely ornamental, dates back to medieval England when special occasions required the use of a bodyguard. In colonial America, the mace became a symbol of office when it was used in conjunction with academic regalia.

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

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

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



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



# *Academics, Research, and Athletics*

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## *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

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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;



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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*

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## *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.



## Traditions

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### *Academic Regalia*

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

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

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

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

### *The Alma Mater*

*Music by Frank Roman  
Words by I. H. Granath*

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

### *The Ramblin' Wreck*

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

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

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

# Commencement Committee

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## Announcer

*Dr. William Johnson*

## Campus Police

*Police Chief Teresa Crocker  
and staff*

## Graduate Studies

*Maureen Kilroy and  
Tatianna Matthews*

## Institute Communications and Public Affairs

*Aimee Anderson and staff*

## Music Department

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

## Plant Operations

*Brandon Ford and Staging staff*

## Registrar's Office

*Candy Carson, Ann Laros,  
Reta Pikoowsky, April Pope,  
Deanna Sterns, 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.*

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