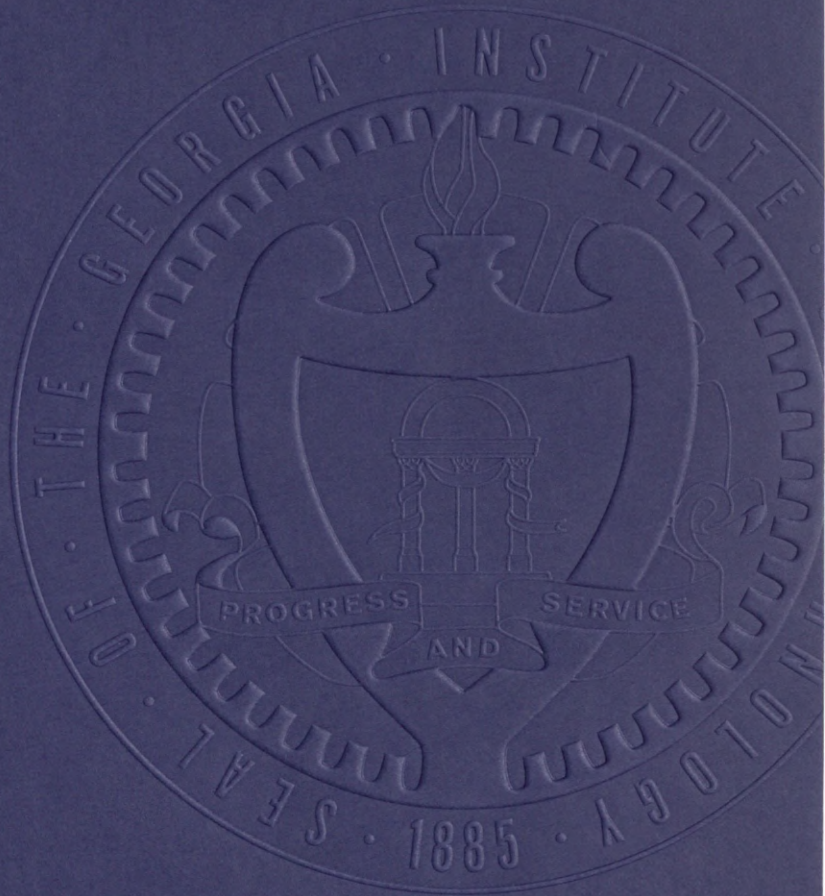




Georgia Institute  
of Technology



*Commencement  
Ceremony*

SUMMER 2004



*elcome to the 219th 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 • July 30, 2004 • 9:00 A.M.*  
*Alexander Memorial Coliseum*

PROCESSIONAL	Georgia Tech Commencement Ensemble, coordinated by Dr. Frank Clark, Department of Music
MASTER OF CEREMONIES	Dr. Jean-Lou Chameau, Provost and Vice President, Academic Affairs
REFLECTION	Pastor Mary Armstrong-Reiner, Campus Ministries
NATIONAL ANTHEM	Georgia Tech Commencement Ensemble
COMMENCEMENT ADDRESS	C. P. Wong, Regents' Professor Materials Science and Engineering
PRESENTATION OF DOCTORAL DEGREE CANDIDATES	Dr. Charles Liotta, Vice Provost for Research and Dean of Graduate Studies
CONFERRING OF DEGREES	Dr. Chameau
PRESENTATION OF MASTER'S DEGREE CANDIDATES	Dr. Liotta
CONFERRING OF DEGREES	Dr. Chameau
INTRODUCTION OF ACADEMIC DEANS	Dr. Chameau
PRESENTATION OF UNDERGRADUATE DEGREE CANDIDATES	College of Computing Assistant Dean Maureen Biggers Ivan Allen College of Liberal Arts Dean Sue V. Rosser College of Architecture Dean Thomas D. Galloway College of Management Associate Dean Gene Comiskey College of Sciences Associate Dean Anderson Smith College of Engineering Dean Don P. Giddens



CONFERRING OF DEGREES	Dr. Chameau
INDUCTION INTO THE ALUMNI ASSOCIATION	Mr. Carey Brown, Class of 1969 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 sixty 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*

Paul Anthony Garcia  
Thesis: "Modeling the Intersegmental Coordination of Heart Motor Neurous in the Medicinal Leech"  
Advisor: Dr. Robert John Butera

Gustavo Rotelli Prado  
Thesis: "Neuronal Plasma Membrane Disruption in Traumatic Brain Injury"  
Advisor: Dr. Michelle C. LaPlaca

Hak-Joon Sung  
Thesis: "Matrix Metalloproteinase 9 (MMP-9) and Biodegradable Polymers in the Engineering of a Vascular Construct"  
Advisor: Dr. Raymond P. Vito

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

Amin Saberi  
Thesis: "Algorithmic Aspects of the Internet"  
Advisor: Dr. Vijay V. Vazirani

Zixia Song  
Thesis: "The Extremal Function for  $K_9$  Minors"  
Advisor: Dr. Robin Thomas

Nisheet K. Vishnoi  
Thesis: "Theoretical Aspects of Randomization in Computation"  
Advisor: Dr. Richard Lipton

## *Doctor of Philosophy Computer Science*

Darrin Charles Bentivegna  
Thesis: "Learning from Observation Using Primitives"  
Advisor: Dr. Christopher Atkeson

Ada Gavrilovska  
Thesis: "SPLITS Stream Handlers: Deploying Application-level Services to Attached Network Processors"  
Advisor: Dr. Karsten Schwan

Zachary Alan Kurmas  
Thesis: "Generating and Analyzing Synthetic Workloads Using Iterative Distillation"  
Advisor: Dr. Umakishore Ramachandran

Brian Matthew McNamara  
Thesis: "Multiparadigm Programming: Novel Devices for Implementing Functional and Logic Programming Constructs in C++"  
Advisor: Dr. Ioannis Smaragdakis

Eugene Zhang  
Thesis: "Surface Topological Analysis for Image Synthesis"  
Advisor: Dr. Greg Turk

## *Doctor of Philosophy Public Policy*

Asim Zia  
Thesis: "Cooperative and Non-cooperative Decision Behaviors in Response to the Inspection and Maintenance Program in the Atlanta Airshed, 1997-2001"  
Advisor: Dr. Bryan G. Norton

## *Doctor of Philosophy Public Policy/Joint Program*

Craig S. Gordon  
Thesis: "Mediating and Moderating the Agenda-setting Process: Three Studies of the Air Quality Issue"  
Advisor: Dr. Ann Bostrom

## *Doctor of Philosophy History and Sociology of Technology and Science*

Hannes Simo Iisakki Toivanen  
Thesis: "Learning and Corporate Strategy: The Dynamic Evolution of the North American Pulp and Paper Industry, 1860-1960"  
Advisor: Dr. Steven W. Usselman



*Doctor of Philosophy  
Management*

Steven D. Caldwell  
Thesis: "Viewing  
Person-Environment Fit  
through the Lenses of  
Organizational Change:  
A Cross-level Study"  
Advisor: Dr. David  
M. Herold

Che Ping Su  
Thesis: "Evaluation of  
Supply Chain Strategies  
for Mass Customization"  
Advisor: Dr. Yih-Long  
Chang

*Doctor of Philosophy  
Earth and Atmospheric  
Sciences*

Muhammed Zohir  
Chowdhury  
Thesis: "Characterization  
of Fine-particle Air  
Pollution in the Indian  
Subcontinent"  
Advisor: Dr. Armistead  
G. Russell

*Doctor of Philosophy  
Applied Biology*

Cindy Chepngeno Korir  
Thesis: "Biochemical and  
Genetic Characterization  
of *Streptococcus pneumo-*  
*niae* Strains with  
Emphasis on Mechanisms  
of Resistance to Beta-  
Lactam Antibiotics"  
Advisor: Dr. Paul  
Edmonds

Heath Jordan Mills  
Thesis: "Microbial  
Diversity in Sediments  
and Hydrates Associated  
with Cold Seeps in the  
Gulf of Mexico"  
Advisor: Dr. Patricia  
A. Sobecky

*Doctor of Philosophy  
Psychology*

Julian Craig Wallace  
Thesis: "A Multilevel  
Examination of  
Occupational Safety:  
Regulatory Focus as an  
Explanatory Link  
between Climate,  
Conscientiousness Facets,  
and Performance"  
Advisor: Dr. Gilad Chen

*Doctor of Philosophy  
Physics*

Xun Gu  
Thesis: "Measuring  
Ultracomplex  
Supercontinuum Pulses  
and Spatio-temporal  
Distortions"  
Advisor: Dr. Rick  
P. Trebino

Andreas Handel  
Thesis: "Limits of  
Localized Control in  
Extended Nonlinear  
Systems"  
Advisor: Dr. Roman  
O. Grigoriev

Mohsen Shiri-Garakani  
Thesis: "Finite Quantum  
Theory of the Harmonic  
Oscillator"  
Advisor: Dr. Ronald  
F. Fox

Yan Yi  
Thesis: "Ballistic  
Conduction in Multi-  
walled Carbon  
Nanotubes"  
Advisor: Dr. Walter  
A. DeHeer

*Doctor of Philosophy  
Chemistry*

Lynn Anne Capadona  
Thesis: "Photoactivated  
Fluorescence of Small  
Silver Nanoclusters and  
Their Application to  
Raman Spectroscopy"  
Advisor: Dr. Robert  
M. Dickson

Elizabeth Deibler Gadsby  
Thesis: "Drug/DNA  
Interactions and  
Condensation  
Investigated with Atomic  
Force Microscopy"  
Advisor: Dr. Lawrence  
A. Bottomley

Bryan Edward Herger  
Thesis: "Kinetic Analysis  
of Mutants of HTLV-I  
Protease"  
Advisor: Dr. Suzanne  
B. Shuker

Manfred Karlowatz  
Thesis: "I. From the Lab  
to the Field: Recent  
Developments in  
Polymer-coated ATR  
Sensing for the  
Determination of Volatile  
Organic Compounds.  
II. Investigating IR  
Signatures for Remote  
Sensing Applications"  
Advisor: Dr. Boris  
Mizaikoff

Ling Li  
Thesis: "Novel  
Conducting Polymeric  
Materials: 1.  
Fluoralkylated  
Polythiophenes. 2.  
Stacked Oligothiophenes  
as Models for the  
Interchain Charge  
Transfer in Conducting  
Polymers"  
Advisor: Dr. David  
M. Collard



Susanna Moore

Thesis: "Synthesis and Pharmacology of Potential Site-specific Therapeutic Agents for Cocaine Abuse"

Advisor: Dr. Howard M. Deutsch

Mutaseem Omar Sinnokrot

Thesis: "Theoretical Investigations of pi-pi Interactions and Their Role in Molecular Recognition"

Advisor: Dr. Charles D. Sherrill

Bruce Thomas Thompson

Thesis: "Fourier Transform Infrared Spectroscopic Measurement of Carbon Monoxide and Nitric Oxide in Sidestream Cigarette Smoke in Real Time Using a Hollow Glass Waveguide and Non-imaging Optics"

Advisor: Dr. Boris Mizaikoff

*Doctor of Philosophy  
Textile Engineering*

Swati Singla

Thesis: "Topological Effects on Properties of Multi-component Polymer Systems"

Advisor: Dr. Haskell W. Beckham

Jianming Zeng

Thesis: "Constrained Crystallization and Depletion in a Polymer Medium in a Transdermal Drug Delivery System"

Advisor: Dr. Karl I. Jacob

*Doctor of Philosophy  
Industrial Engineering*

Pairote Balun

Thesis: "The Stochastic Vendor-managed Inventory Problem and its Variations"

Advisor: Dr. Chelsea C. White

Kirk Courtney Benson

Thesis: "Adaptive Control of Large-scale Simulations"

Advisor: Dr. Amy R. Pritchett

Jihong Chen

Thesis: "Sparse Modeling in Classification, Compression, and Detection"

Advisor: Dr. Xiaoming Huo

Jin Young Choi

Thesis: "Performance Modeling, Analysis, and Control of Capacitated Re-entrant Lines"

Advisor: Dr. Spiridon A. Reveliotis

Uk Jung

Thesis: "Wavelet-based Data Reduction and Mining for Multiple Functional Data"

Advisor: Dr. Jye-Chyi Lu

Eda Kemahlioglu-Ziya

Thesis: "Formal Methods of Value Sharing in Supply Chains"

Advisor: Dr. John J. Bartholdi

Steven James Landry

Thesis: "Supporting Pilot Procedure Following in Nominal and Off-nominal Situations through the Use of Displays of Procedure Context"

Advisor: Dr. Julie Jacko

SugJe Sohn

Thesis: "Modeling and Analysis of Production and Capacity Planning Considering Profits, Throughputs, Cycle Times, and Investment"

Advisor: Dr. Chen Zhou

Jin-Hwa Song

Thesis: "Inventory Routing Investigations"

Advisor: Dr. Mathieu W. Savelsbergh

*Doctor of Philosophy  
Aerospace Engineering*

Seungmook Chae

Thesis: "Effect of Follower Forces on Aeroelastic Stabilities of Flexible Structures"

Advisor: Dr. Dewey H. Hodges

Brian A. McDonald

Thesis: "The Development of an Erosive Burning Model for Solid Rocket Motors Using Direct Numerical Simulation"

Advisor: Dr. Suresh Menon

*Doctor of Philosophy  
Chemical Engineering*

David J. Desrocher

Thesis: "Membranes for the Recovery of a Homogeneous Catalyst"

Advisor: Dr. Mary E. Rezac

Roy Jeffrey Furbank

Thesis: "Droplet Formulation from Particulate Suspensions"

Advisor: Dr. Jeffrey E. Morris



- Augustin Jeyakumar  
Thesis: "Development of Inorganic Resists for Electron Beam Lithography: Novel Materials and Simulations"  
Advisor: Dr. Clifford L. Henderson
- Izumi Kurosawa  
Thesis: "Solid-Liquid Equilibrium in Multi-solute Systems"  
Advisor: Dr. Ronald W. Rousseau
- Shutaro Kurosawa  
Thesis: "Supercritical Processing of Electrically Conducting Polymers"  
Advisor: Dr. Aryn S. Teja
- Michael John Lazzaroni  
Thesis: "Optimizing Solvent Selection for Separation and Reaction"  
Advisor: Dr. Charles A. Eckert
- Jong Min Lee  
Thesis: "A Study on Architecture, Algorithms, and Applications of Approximate Dynamic Programming-based Approach to Optimal Control"  
Advisor: Dr. Jay H. Lee
- Ibrahim Ali Ozkan  
Thesis: "Thermodynamic Model for Associating Polymer Solutions"  
Advisor: Dr. Aryn S. Teja
- Jing Wei  
Thesis: "Systematic Design of Bulk Recycling Systems under Uncertainty"  
Advisor: Dr. Matthew J. Realff
- Doctor of Philosophy  
Environmental Engineering*
- Lingjun Kong  
Thesis: "Characterization of Mineral Oil, Coal Tar, and Soil Properties and Investigation of Mechanisms that Affect Coal Tar Entrapment and Removal from Porous Media"  
Advisor: Dr. Kurt D. Pennell
- Huichun Zhang  
Thesis: "Metal Oxide-facilitated Oxidation of Antibacterial Agents"  
Advisor: Dr. Ching-Hua Huang
- Doctor of Philosophy  
Civil Engineering*
- Barbara Maria Brouckaert  
Thesis: "Hydrodynamic Detachment of Deposited Particles in Fluidized Bed Filter Backwashing"  
Advisor: Dr. Appiah Amirtharajah
- Angshuman Guin  
Thesis: "An Incident-detection Algorithm Based on a Discrete-state Propagation Model of Traffic Flow"  
Advisor: Dr. Karen K. Dixon
- Stephen Patrick Mulva  
Thesis: "ARIES-A Theoretical Framework for Evaluating Aspects of Enterprise Sustainability"  
Advisor: Dr. Jorge A. Vanegas
- Sebnem Seker-Elci  
Thesis: "Modeling of Hydrodynamic Circulation and Cohesive Sediment Transport and Prediction of Shoreline Erosion in Hartwell Lake, South Carolina/Georgia"  
Advisor: Dr. Paul Work
- Doctor of Philosophy  
Electrical and Computer Engineering*
- Amer Hani Atrash  
Thesis: "Data Bus Deskewing Systems in Digital CMOS Technology"  
Advisor: Dr. David R. Hertling
- Joshua Isaac Bergman  
Thesis: "Development of Indium Arsenide Quantum Well Electronic Circuits"  
Advisor: Dr. Joy Laskar
- Santithorn Bunchua  
Thesis: "Fully Distributed Register Files for Heterogeneous Clustered Microarchitectures"  
Advisor: Dr. Donald S. Wills
- Fatma Caliskan  
Thesis: "Electromagnetic Analysis of Planar Layered Structures"  
Advisor: Dr. Andrew F. Peterson
- Jose Gerardo Gonzalez-Rosiles  
Thesis: "Image and Texture Analysis with Angular Biorthogonal Filter Banks"  
Advisor: Dr. Glenn S. Smith



Luis Benigno Gutierrez-Zea  
Thesis: "Adaptive Made Transition Control Architecture with an Application to Unmanned Aerial Vehicles"  
Advisor: Dr. George Vachtsevanos

Tyson Stuart Hall  
Thesis: "Field-programmable Analog Arrays: A Floating-gate Approach"  
Advisor: Dr. David V. Anderson

Hung-Yun Hsieh  
Thesis: "Addressing Network Heterogeneity and Bandwidth Scarcity in Future Wireless Data Networks"  
Advisor: Dr. Raghupathy Sivakumar

Jeng-Shiann Jiang  
Thesis: "Measurement, Modeling, and Performance of Indoor MIMO Channels"  
Advisor: Dr. Mary Ann Ingram

Shantanu Kangude  
Thesis: "CSMA with Implicit Scheduling through State-keeping: A Distributed MAC Framework for QoS in Broadcast LANs"  
Advisor: Dr. John A. Copeland

Woopoung Kim  
Thesis: "Development of Measurement-based Time-Domain and Its Application to Water Level Packaging"  
Advisor: Dr. Madhavan Swaminathan

Sven Krasser  
Thesis: "Adaptive Measurement-based Traffic Engineering in Packet-switched Radio Access Networks"  
Advisor: Dr. Henry W. L. Owen

Nancy Brown List  
Thesis: "Low-complexity Interleaver Design for Turbo Codes"  
Advisor: Dr. Douglas B. Williams

Aravind Ratnakar Nayak  
Thesis: "Iterative Timing Recovery for Magnetic Recording Channels with Low Signal-to-Noise Ratio"  
Advisor: Dr. John R. Barry

Seung-Jong Park  
Thesis: "Energy-aware Topology Control and Data Delivery in Wireless Sensor Networks"  
Advisor: Dr. Raghupathy Sivakumar

Youngcheol Park  
Thesis: "Adaptive Digital Pre-distortion Linearization of Frequency Multipliers for Dual-band Transmission Systems"  
Advisor: Dr. James S. Kenney

Kyeong Keol Ryu  
Thesis: "Automated Bus Generation for Multiprocessor SoC Design"  
Advisor: Dr. Vincent J. Mooney

Susanta Sengupta  
Thesis: "Technology-independent CMOS OP AMP in Minimum Channel Length"  
Advisor: Dr. Phillip E. Allen

JoonHyun Sung  
Thesis: "Transmitter Strategies for Closed-loop MIMO Communication"  
Advisor: Dr. John R. Barry

Badrinarayanan Varadarajan  
Thesis: "The Design of Linear Space-time Codes for Quasi-static Fading Channels"  
Advisor: Dr. John R. Barry

Jaikrishna Venkatesan  
Thesis: "Investigation of the Double-Y Balun for Feeding Pulsed Antennas"  
Advisor: Dr. Waymond R. Scott

Ricardo A. Villalaz  
Thesis: "Volume Grating Couplers for Optical Interconnects: Analysis, Design, Fabrication, and Testing"  
Advisor: Dr. Thomas K. Gaylord

Zhijie Xiong  
Thesis: "Radio Frequency Low Noise and High Q Integrated Filters in Digital CMOS Processes"  
Advisor: Dr. Phillip E. Allen

Yeo-Sun Yoon  
Thesis: "Direction-of-Arrival Estimation for Wideband Sources Using Sensor Arrays"  
Advisor: Dr. James H. McClellan



*Doctor of Philosophy  
Nuclear and Radiological  
Engineering*

Scott William Mosher  
Thesis: "A Variational  
Transport Theory  
Method for Two-dimen-  
sional Reactor Core  
Calculations"  
Advisor: Dr. Farzad  
Rahnema

*Doctor of Philosophy  
Mechanical Engineering*

Adam S. Coutee  
Thesis: "Virtual Assembly  
and Disassembly  
Analysis: An Exploration  
into Virtual Object  
Interactions and Haptic  
Feedback"  
Advisor: Dr. Berdinus  
A. Bras

Wayne Dwight Roomes  
Daley  
Thesis: "A Methodology  
for the Development  
of Machine Vision  
Algorithms through  
the Use of Human  
Visual Models"  
Advisor: Dr. Kok-Meng  
Lee

Timothy Patrick Ferguson  
Thesis: "Moisture and  
Interfacial Adhesion in  
Microelectronic  
Assemblies"  
Advisor: Dr. Jianmin Qu

Byungki Kim  
Thesis: "Miniaturized  
Diffraction-based  
Interferometric Distance  
Measurement Sensor"  
Advisor: Dr. Thomas  
R. Kurfess

Peter Arthur Kottke  
Thesis: "Rheological  
Implications of Tension  
in Liquids"  
Advisor: Dr. Ward  
O. Winer

HongSeok Moses Noh  
Thesis: "Parylene Micro-  
column for Miniature  
Gas Chromatograph"  
Advisor: Dr. Peter  
J. Hesketh

Qunzhi Zhu  
Thesis: "Modeling and  
Measurements of the  
Bidirectional Reflectance  
of Micro-rough Silicon  
Surface"  
Advisor: Dr. Zhuomin  
Zhang





## Master's Degree Recipients

### *Master of Science*

Babak Vakili Amini  
*Electrical and Computer  
Engineering*

Bjoern Hendrik Avak  
*Electrical and Computer  
Engineering*

John Van Cao  
*Electrical and Computer  
Engineering*

Chorng-Yow Chen  
*Aerospace Engineering*

Hsing-Chung Chu  
*Civil Engineering*

Pallavi Damani  
*Economics*

Philippe Joel Michel  
Delannoy  
*Aerospace Engineering*

Julien Dupuis  
*Aerospace Engineering*

Angela Fu  
*Environmental Engineering*

Hector A. Gonzalez  
*Aerospace Engineering*

Shalabh Goyal  
*Electrical and Computer  
Engineering*

Ling Guo  
*Economics*

Kwangtae Ha  
*Aerospace Engineering*

Jonathan Ronald Jackson  
*Aerospace Engineering*

Deepak Chandras  
Jahagirdar  
*Electrical and Computer  
Engineering*

Se-Kwon Jung  
*Civil Engineering*

Yoonju Jung  
*Civil Engineering*

Vittesh Vasant Kalambi  
*Aerospace Engineering*

Arumugam Kannan  
*Electrical and Computer  
Engineering*

Rajat Kapoor  
*Aerospace Engineering*

Hyoungsoo Kim  
*Electrical and Computer  
Engineering*

Yoon Duk Kim  
*Civil Engineering*

Ryan Tucker Kristensen  
*Electrical and Computer  
Engineering*

Sanghun Lee  
*Civil Engineering*

Soonki Lee  
*Environmental Engineering*

Arnaud Le Febvre  
De Nailly  
*Aerospace Engineering*

Zhi Li  
*Textile and Fiber  
Engineering*

Jessica Francis Madariaga  
*Economics*

Ana Isabel Martin  
*Civil Engineering*

Daniel T. Miao  
*Aerospace Engineering*

Alex Montfort Moodie  
*Aerospace Engineering*

KyungJin Moon  
*Aerospace Engineering*

Stephen Arthur Moore  
*Electrical and Computer  
Engineering*

Souvik Mukherjee  
*Electrical and Computer  
Engineering*

Asmerom Yemane  
Ogbazghi  
*Electrical and Computer  
Engineering*

Frauke Oldewurtel  
*Electrical and Computer  
Engineering*

Irian Ordaz  
*Aerospace Engineering*

Jeffrey S. Pinegar  
*Management*

Rishi Ranjan  
*Electrical and Computer  
Engineering*

John Daniel Reeves Jr.  
*Aerospace Engineering*

Sebastien Maxime Ritter  
*Management*

Charlotte Francoise  
Ronzino  
*Management*

Michelle Yen-Ling Sander  
*Electrical and Computer  
Engineering*

Dean Lawrence Sanzo  
*Mechanical Engineering*

Troy Cyril Schank  
*Aerospace Engineering*

Ganesh Parasuram  
Srinivasan  
*Electrical and Computer  
Engineering*



Shyam Subramanian  
*Electrical and Computer  
Engineering*

Attapong Terdpravat  
*Mechanical Engineering*

Wing Lun Ting  
*Electrical and Computer  
Engineering*

Andrew Joseph Watt  
*Mechanical Engineering*

Justin David Weiler  
*Aerospace Engineering*

Shawn Xiaotu Xu  
*Architecture*

Xiao Yin  
*Architecture*

Feng Zhang  
*Economics*

Wenxian Zhang  
*Electrical and Computer  
Engineering*

*Master of Science in Paper  
Science Engineering*

Yusup Chandra

*Master of Science  
in Human-Computer  
Interaction*

Joshua Todd Cothran  
Justin Godfrey  
Trecia C. White

*Master of Science  
in Bioengineering*

Anne Claire Bellott  
Ricky Christopher  
Brathwaite  
Yi-Yu Chou  
Jie Shao  
Karen Elizabeth Tisdale  
Ashley Kay Wallin  
Woodson

*Master of Science  
in Statistics*

Dennis Joseph Day  
Xuelei Ni

*Master of Science  
in Information Security*

Poonam Ganesh  
Hattangady  
Deepak Jagannathan  
Manohar  
Vincent Robert Scarlata

*Master of Science  
in Computer Science*

Marc Francois Berhault  
Urs Bischoff  
Carl Louis Cox  
Brian Graham Harris  
Thomas Bernard  
Hildebrandt

Andrew Douglas Hilton  
Kristin Kaster Lamberty  
ChokSheak Lau  
Donghan Li  
Felix Konstantin Loesch  
Gerald Fredrick  
Lofstead II

Evangelos Markakis  
Alex Marie Eric Mazingue  
Harry G. Menhorn IV  
Martin Bruce Modahl  
Christopher Sinan Oezbek  
Luke Anthony Olbrish  
Charles Everett Pippin II  
Byung-Uk Roho  
Nitesh Singh  
Daniel Severin Sternberg  
Wiewiek Sunarko  
Micah Zebulon  
Wedemeyer

Chaoting Xuan  
Kun Zhang

*Master of Science  
in International Affairs*

Jonathan Reyes Bonus  
Tahseen K. Kazi  
Melody E. Liu  
James Anthony Showman  
Matthew John Turner

*Master of Science  
in Information Design  
and Technology*

Elizabeth Gayle Adams  
Yvonne Caravia  
Jill Marie Fantauzza  
Sharon Haber  
Wolfgang Heinrich  
Reitberger

*Master of Science  
in Public Policy*

Jason Raul Anavitarte  
Stephen Daniel Burks  
Pratik C. Mhatre  
John Heejoon Uhn

*Master of Industrial Design*

Taro Astor Walcott

*Master of Science  
in Building Construction  
and Facility Management*

Nicole G. Pamplin  
Nalinee Viriyachai

*Master of Architecture*

Alyssa Shank Durden  
Yvan Paul Fouquet  
Britney Lee Gore  
Stephanie Henichart  
Leslie Michelle Lyons  
Hyunbo Seo  
Imme Steinke  
Jan Stolte  
Mi Wang

*Master of City and  
Regional Planning*

Raushan M. Johnson  
Richard James Tyran



*Master of Business  
Administration*

Parasjit Singh Cheema  
John Edward Elmore  
Jayakumar Govindan  
Imran Mirza Meghji  
Elizabeth Tate Miller  
Arati Srinivasan  
Benjamin Todd White

*Master of Science in Earth  
and Atmospheric Sciences*

Yaqiu Li  
Samuel D. Sibley Jr.  
Kelly Katherine Smolinski

*Master of Science  
in Psychology*

Michelle Elizabeth Horhota  
Jun Liu  
Andrew S. Mienaltowski  
Erin Elizabeth Page

*Master of Science  
in Applied Biology*

John Conor Hardeman  
Dipinder Singh Keer

*Master of Science  
in Bioinformatics*

Jennifer Mary Dale  
Myung Hee Shin  
Bindu Venugopal  
Bo Wang

*Master of Science  
in Applied Mathematics*

Tiffany Danielle Goble  
Ryan Charles Hynd  
Todd Keith Moeller  
Victor Alfonso Morales-  
Duarte  
Jose Miguel Renom-Andara  
Kelvin R. Rocha  
Becky Sue Upchurch  
Jorge Viveros-Rogel  
Florian Zickfeld

*Master of Science  
in Physics*

Rupa Bhaumik  
Huifang Zhao

*Master of Science  
in Chemistry*

Matija Crne  
Paul Lemuel Daubenmire  
Shanker Unnikrishnan

*Master of Science  
in Biomedical Engineering*

Abhijit Madhav Paranjpe

*Master of Science  
in Health Physics*

Carmen Maureen Greene  
Donette E. Lasher

*Master of Science  
in Health Systems*

Tariqul Delwar  
Rehman Shiraz Meghani  
Carrie Marie Richardson  
Neha Sachdeva

*Master of Science  
in Nuclear Engineering*

Chad Michael Dillon  
Joshua Mahlon Hawkes

*Master of Science  
in Operations Research*

Deena D.D. Daggett  
Matthew Ottis Jones  
Besarion Lordkipanidze

*Master of Science  
in Industrial Engineering*

Leon B. Barnard  
Johanna Fernandez  
de la Cruz

Yahel Giat  
Joscha Hofmann  
Karsten Hoyndorff  
Nikolaos Panagiotis  
Kalogiannis  
Niko Jan Lalkens  
Chen-Ju Lin  
Sergio Andres Ramos  
Ravi Raj Sinha  
Mandisa Uwimana Skyers  
Nakin Sriobchoey  
Thiemo Claas Theile  
Ulrich Vermehr

*Master of Science  
in Aerospace Engineering*

Marine Andreoletti  
Andrea D. Beck  
Keith Frederick Becker  
Chong-Seok Chang  
HoJoon Chang  
Chien-Yu Chao  
Alexander Epple  
Mandy Goltsch  
Jefferson Leonard Grant  
Rahul Kamada  
Nayan Vinod Patel  
Yoonghyun Shin  
Samer Anwar Tawfik  
Shang Zhou

*Master of Science  
in Materials Science  
and Engineering*

Zhe Cheng  
Krishna Satyasreerama  
Cherukuri  
Runrun Duan  
Christopher Stephen  
Gaddis  
Brian Craig Heaton  
Dawn Laurel Heineman  
Anubhav Jain  
Jelila Sarah Mohammed  
Ogundiran Soumonni

*Master of Science  
in Chemical Engineering*

Tanya Temaca Hicks  
Rebecca Jelen Lee  
Jennifer Luk



Jose Ricardo Mendez  
del Rio  
Carlos Arturo Quant  
Pamela Patrice Reid  
Donald Fulton Taylor III  
Kanrakot Thamanavat  
Gracy A. Wingkono  
Li Xue  
Pedro Jose Zapata  
Ling Zhang

*Master of Science in  
Environmental Engineering*

Tien-Ru Rosa Chi

*Master of Science  
in Civil Engineering*

Mohammad Arhami  
Ahmed M. Bayoumi  
Mustafa Bektas  
Kelly Ann Carroll  
William Ted Coggins  
Aaron Bradley Croyle  
Huseyin Demir  
Johnny Epstein  
Melissa Waiyee Fong  
Nichole Kimberly

Akiyokin Francisco  
Jason Robert Hubert  
Mehmet Iscimen  
Luke Hampton Kennison  
Hernan Ricardo Navarro  
Andrew Bobb Off  
Pierre Ramondenc  
Thomas Jerzy Szewczyk  
Christopher C. Walsh  
Joseph John Zmuda

*Master of Science  
in Electrical and Computer  
Engineering*

Mark Graham Adams Jr.  
Mathieu Jean-Louis  
Berthelon  
Soumya Chandramouli  
Tein Hang Cheung  
Jee Whan Choi  
Naim Richard Darghouth  
Thibaud Jules Clement  
Fleury  
Kenneth Grant Grove  
Rutchanee Gullayanon

George Shahd Hanna  
Gavin Kar-Fai Ho  
Shweta Humad  
Bradford Lawrence Hunter  
Jahangir Sultanul Islam  
Jeremy David Jackson  
Thibaut Benoit Lamadon  
Michael Yehuda Levy  
Oscar Luis Llerena  
Gerald Gabriel C. Lopez  
Julien My-Trinh Marquet  
Shane Anthony Migliore  
James Atef Moawad  
Clarke Edgar Moore  
Jean Nguyen  
Derik Leroi Pack  
Vikas Jayendra Parekh  
Russell Ian Popkin  
Maksym O. Pozdin  
Di Qian  
Johan Michael Reimann  
Ahmad Edward Mohamad  
Saif  
Jonathan Page Siplon  
Thomas K. Stewart  
Leah Nicole Stokes  
Gregory Thomas Triana  
Drexel G. Waggoner  
Mark Frederick Wolff  
James Ki Yick

*Master of Science  
in Mechanical Engineering*

Zachary Bryan Alexander  
Adya Alisha Ali  
Eric William Anderson  
Jacob Raleigh Aspinwall  
Lalit Kumar Bohra  
Matthew Steven Boyd  
Sheila Joy Bragg  
Lyle Eric Breaux  
James Michael Brown  
Brooke Margaret  
Bunzmann  
Roger Francis Burlingame  
Kevin Anthony Carnevale  
Laura Jane Cole  
Jason Todd Cook  
Manoj Kumar Damani  
John Raymond DeBoer III  
Guilhem Denoziere  
Alexis J. L. Dumortier  
Lisa M. Ellis  
Michael Jason Forbis  
Alicia Elena Fortier  
Joseph G. Frankel

Kalyanjit Ghosh  
Barri Sue Gurau  
Carl Robert Hanna  
Gaylon Charles Hollis  
Thomas Arthur Holst  
Brian David Horton  
Hsingching Hsu  
Sarne Makel Hutcherson  
Akay Aydin Islek  
Roderick Kinte Jackson  
Blake Elaine Jakaboski  
Juan-Carlos Jakaboski  
Janine B. Johnson  
Richard Charles Kalil Jr.  
Robert Jeremy Kenny  
Martin Singgih Kurnadi  
Jean-Baptiste Leydet  
Ameya Limaye  
George Chih-Yu Lo  
Neil Robert Lovrich  
Davidson Glenn Lucas  
Robbie Don Ludlow  
Robert Miles

MacMeccan III  
Richard J. Malak Jr.  
Samuel Robert Martin  
Jeffrey Scott Matre  
Vaughn O'Neil Melbourne  
Andrew James Meyers  
Gregory Scott Mitchell  
Bryan K. Nesti  
Austina Nga Nguyen  
Nitin R. Patel  
Cynthia K. Perreira  
Uri Rainisch  
Tarun Rathnam  
Lynn Michael Rau  
Steven Joseph Reku  
Galen Charles Robertson  
Ann H. Rocke  
Temsiri Sapsaman  
Michael Charles  
Schmittiel  
Jennifer Lynn Scherman  
Todd Alan Spierling  
Vishwanath Subramaniam  
Megan Louise Sumpter  
Creed Taylor  
Stephen John Terrell  
Jennifer Lynn Tuertscher  
Timothy Philip Wilde



# Bachelor's Degree Recipients

## College of Computing

### *Bachelor of Science in Computer Science*

#### *Highest Honor*

Barry Neil Fleming  
Jonathan Gdalevich  
Christopher Marvin Gibson  
Benjamin David Ku  
Dolapo Kukoyi  
Gallagher Donovan Pryor  
Joy Maria Shieh  
Joseph Branham Uhl  
Tengzhou Zhuang

#### *High Honor*

Kevin James Mitchell  
Eric Allen Rahm  
Miles Anthony Thomason  
Allen Nelson Tyner  
Jonathan Scott Woodbridge

#### *Honor*

Jonathan Paul Aguillard  
Brian Patrick Byrne  
Justin Chad Filoseta  
Ryan Michael Graciano  
Matthew Joseph Hicks  
Joseph Francis Scoccimaro  
Hang Yin

Brandon Jameel Aldridge  
Mansoor Khaliq Babar  
Samir Batta  
Fadwa Berouel  
Bryan Clayton Billings  
Kyle Wesley Bumpus  
John E. Calcagni  
Akshai K. Chauhan  
Naveen Dittakavi  
Timothy William Donlan  
Claudiu Christian Fofiu  
James Edward Gaythwaite  
Jeffrey Paul Goldstein  
Kevin Vincent Gorham  
James Matthew Hall  
John Christopher Holmes  
Spencer Tzuping Huang  
Donko Velinov Jeliakov  
Shawkat Bassam Kabbara  
Howard Todd Kaplan

Matthew William Lassiter  
Brian Young Lee  
Hyun-Chul Lee  
James Albert Lee  
Kevin Lee Lewis  
Robert Geoffrey Meyers  
Arash Mirdamadi  
Viet Quoc Nguyen  
Bruce N. Ota  
Aaron Thomas Paden  
Derek Alan Perry  
Patrick James Ringham  
Christian McCord  
Schroeder  
John J. Schuch  
Daniel Thomas Still  
Jason Curtis Tolsma  
Awni Bassem Toukan  
Robert Richard Walling III  
Jermel L. Washington  
Adam Michael Whitcomb

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

#### *Highest Honor*

Riyaz Habibbhai  
Nabil Adam Schear  
Kristin Emma Vadas

Michael Carl Losapio  
Daniel Lee Schaeffer  
Leon Shell  
Shawn Anthony Sousa  
Un Chong Yim

---

## Ivan Allen College of Liberal Arts

### *Bachelor of Science in Public Policy*

Heather Rae Whaler  
Arienne Sarah Wyatt

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

#### *Highest Honor*

Brandilyn Shay Price

Brian Christopher McMickle  
Angela Corcoran Will

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

Steven Brandenburg Colly  
Matthew Stephen Harbers  
Yoshika Kondo  
Andre'a Nicole Lewis  
Khaliyq Raashid Abdullah  
Muhammad  
Kelly Renee Peck  
LaToya Kamish West

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

#### *Honor*

Jessica Ann Spinelli

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

Nikki Letra Cooksey

### *Bachelor of Science in International Affairs*

#### *Highest Honor*

Banafsheh Azizi  
Kathryn Elizabeth Byrnes  
Brandilyn Shay Price

#### *High Honor*

Andrew Raymond Cox



*College of Liberal Arts*  
*Continued*

---

*Honor*

Hastie Kargar  
Anne-Marie Joy Richards

Amanda Kristine Gilley  
Daniel Vall-Ilobera

*Bachelor of Science*  
*in Economics*

*High Honor*  
Sebastian Rodrigo Urbina

*Honor*  
Mary Louise Vinuelas

Kathryn Lea Scott Hill  
Niraj Kantubhai Patel

---

*College of*  
*Architecture*

*Bachelor of Science*

Ryan Edward Espinera  
Jonathan Alexander  
Gonzalez

*Bachelor of Science*  
*in Building Construction*

*High Honor*  
Eric Andrew Bailey

Joseph David Pelliccione

*Bachelor of Science*  
*in Industrial Design*

*Highest Honor*  
Jamie T. Ostrov

*High Honor*  
Claire Jane Porter  
Ravi Alluri Varma

*Honor*  
Melissa Williams Gribbon  
Jessica Leigh Johnston  
Ansley Crissey Whipple

Caroline Clark Brown  
Grace Sun Chung  
Barry Adam Clement  
Andrea Nicole Crumbley  
Tammy B. Lee  
Venece Marie Smith

---

*College of*  
*Management*

*Bachelor of Science*  
*in Management*

*Highest Honor*  
Baran Bulkat  
Kelly Lynn Burrell  
Lauren Nicole Cirou  
Jessica Beth Dickerson  
Kele Drew Eveland  
Melanie Rae Nelson  
Timothy Frederick  
Uptagrafft  
Meng Zhao

*High Honor*  
Michael James Dorsher  
Ashley Lauren Hansen  
Kimberly Brooke Kessler  
Eleanor Rawlings  
Wickersham

*Honor*  
Arti Agarwal  
Brian James Walter Camp  
Laura Anne Drucker  
Scott Harrison Lieffers  
Christine Susan Raj  
Sarah Elizabeth Rogers

Cass Eythan Alvarado  
Alexis Llanes Barry  
Jeffrey Lee Bernat  
Laura Lane Bosworth  
Brody Ralph Bray  
Derek Edward Cadwell  
Emily Faith Cavender  
Brad Miller Chason  
Stefano Alfredo Danese  
Katherine Ann DuRant  
Ross Patrick Dye  
Raheel Ebrahim Esmail  
Asa Jay Gage  
Jerel Patrick Germany  
Lindsey Tait Givens  
Michael Lee Griffiths  
Jermaine Dewayne Hatch  
Danielle Marie Heintz

Soranak Hum  
Brian Nathan Jarvis  
Megan Elizabeth Jeffrey  
Timothy Benjamin Johnson  
Steven Michael Keith Jr.  
Roger Lam  
Courtney Rebecca Martin  
William Dustin Meaders  
James Jacob Moore  
Justin Matthew Moore  
Kristen Michele Noble  
Matthew Ware Norris  
Brooke Cynthia Novak  
Conor Michael O'Reilly  
Jay Dilip Patel  
Larry Nathan Pearson  
Tiffany Michelle Pierre  
Robert Scott Prather III  
Alexandra Janine Preiss  
Jonathan Lee Scott  
Lisa Noel Shirley  
Joshua Carson Smith  
Benjamin Warren  
Spaulding III  
Nichole Ann Srott  
Kristie Kuo-Tzen Su  
Christine Elizabeth  
Swanson  
Molly Lovell Thornton  
Ross Joseph Tobin  
Christopher Tsai  
Lauren Elizabeth Tucker  
R. Brad Tuttle Jr.  
Andrew Russell Vaught  
Katherine Ann Vincent  
Teacier Devon Wesley  
Annie Whittaker Whitesel  
Simon David Young  
Lee Y. Yu

*Bachelor of Science in*  
*Management*  
Cooperative Plan

*Highest Honor*  
Laura Ann Hickman  
Christopher Ray Norris  
Jonathan Hart Woodruff

Eric Robert Kriel  
Joseph Martin Spanjers  
Nancy Elizabeth Webb



## College of Sciences

### *Bachelor of Science in Discrete Mathematics*

Jonathan Meshad Wells

### *Bachelor of Science in Applied Biology*

#### *High Honor*

Candice Brooke Burke  
Eman Mohamed Kirbah  
Jason Windham Reeves  
Ashley Marie Ryan

#### *Honor*

Chad Eric Chinich  
Sean Michael Stuart

Lauren Elizabeth Bell  
Nida Hasan  
Timothy Adam Lites  
Mallika Mehra  
Keith Barry Reynolds  
Matthew Ryan Tiller  
Erika Nicole Ward  
Paul F. Weber

### *Bachelor of Science in Applied Psychology*

#### *Highest Honor*

Boris Y. Kerzhner

#### *Honor*

Alberta Germai Watkins

Amanda Lane Barnett  
Fuad Junaid Rashid Bhatti  
Amit Kumar Taggar

### *Bachelor of Science in Applied Mathematics*

#### *Highest Honor*

Boris Y. Kerzhner

Anthony Robert Mautino

### *Bachelor of Science in Physics*

#### *Highest Honor*

Margaret Louise Trippe

Amanda Louise Jacob  
Marty Eugene Stroud  
Benjamin A. Thompson

### *Bachelor of Science in Chemistry*

James Edward Hobbs  
Amanda Louise Jacob

## College of Engineering

### *Bachelor of Science in Biomedical Engineering*

#### *Highest Honor*

David Ryan Ashley  
Megan Elizabeth Satterfield

#### *High Honor*

Julie Lynn Boddington

#### *Honor*

Jennifer Mariel Salgado

James H. Hamlin

Jessica Lynne Lott

### *Bachelor of Science in Computer Engineering*

#### *Highest Honor*

Chirag Nitin Gandhi  
Michael Benjamin Healy  
Saunvit Dinesh Pandya  
Alfredo Ramos

#### *High Honor*

Nhan Thanh Dinh  
Juan Manuel Mojica

Titus Barik  
Michael Greely Beatty  
Kendrick Rodregeous  
Cummings  
Angela Marie Davis  
Colin M. Denig

Michael Jay Donaldson

Jonathan Christopher  
Hillman

Adam Christopher Lamb  
Morgan Callaway McFaddin  
Benjamin Davis Mishoe  
Anushka Duminda

Munasinghe  
Adam Merritt Nelick  
Michael William Palladino  
Alan Joseph Paluska  
Saba Sabripour  
Ankit Girish Shah  
Joseph Robert Thurman  
Nicholas George Tiffany  
Scott Andrew Uden  
Andrew John Wurfel

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

#### *Highest Honor*

Scott Michael Brady  
Matthew Wesley Smithson

#### *Honor*

Daniel Gregory Tabor  
Giancarlo Buzeli Yin

Eric Michael Angeli  
Rinaldo Adriano Baietti  
Thomas Chandler Bean  
Michael Edward Shearin Jr.  
Ryan Patrick Spanier

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

Daniel Lewis Greenway  
Precilla Kurien Varghese

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

Christine Ann Noelke



**Bachelor of Science in  
Industrial Engineering**

*Highest Honor*

Kokil Agarwal  
Jennifer Brooke Classen  
Michelle Marie Gilman  
Franklin Adam Snow  
Leah Leslie Weber

*High Honor*

Terrri Michele Biggers  
Mae Elizabeth Davenport  
Kristine Marie Pettoni  
Mark Boyd Stokes  
Sebastian Rodrigo Urbina  
Janet Wang

*Honor*

John Babcock Cottingham  
Michael Patterson Elmer Jr.  
Elizabeth Barnwell  
Funderburk  
Malini Lalitha Iyer  
Danielle Marie Pyburn  
Catherine Judith Richeson

Adeshola Titilola Adeniyi  
Aneitra Shanell Batteast-  
Hurdle

Colleen Keegan Baum  
Stephanie Mullane Bridwell  
Roger Alan Burggrave  
Hsiao Gin Cheng  
Alyce Marilyn Connors  
Joshua Patrick Davis  
David Payne Ehrman  
Keilana Marie Frank  
Myisha Faye Franklin  
Laura Susan Ginn  
Meredith Elaine Glass  
John Jacob Goodbread  
Fawaad Iqbal Haider  
Adrienne Jennifer Hairston  
Daniel Prakash Harvey  
Stephanie Louise Hughes  
Dana Duvalt Jennings IV  
Timothy Patrick Judge  
Hisham Ahmed Khaki  
Scott Douglas King  
Jean Kwak  
David Jen-Luen Lee  
Cezar Poydras Leoncio  
Lindsay Lee Lockwood  
Megan Leigh Mammarelli

Kelly Rene Mathis  
Nooruddin Shamsuddin  
Parmar

Ketan N. Patel  
Niraj Kantubhai Patel  
Brandon Dante Richardson  
Robin Allison Russell  
Miya Ashanti Smith  
Ryan Andrew Spradley  
Jason Paul Szelest  
Yolande Alecia Thame  
Tien Phung Tran  
Thomas York Walker  
Christina Lynn Whitaker  
Nathan A. Wright  
Serge Grigorovich Yakubov  
Tae-Hee Yook

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

*Highest Honor*

Kimberly Anne Cantor  
Bernardo Franco-Millan  
Joshua Albert Zane

*High Honor*

Justin Tyler Christensen  
Ashley Carruth Clark

*Honor*

Sarah Ann Kennedy

Cara Ann Cocos  
Richard Paul Grubel  
Craig Robert Grunewald  
Jessica Elaina Holmes  
Andrew Russell Vaught

**Bachelor of Science  
in Aerospace Engineering**

*Highest Honor*

Luis Nicolas Gonzalez  
Castro

*Honor*

Roberto Toshiharu Igue

Benjamin Patrick Anderson  
Nicholas Juan Coronado  
Aida Karamesic  
Mehul Pravin Patel  
Adam Charles Plondke  
Joseph Michael Stitt

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

*High Honor*

Sidharth Sahoo

Jonathan Evan Holder  
Jacob Darrek Norton  
Christopher Michael Palmer  
Robert Harvey  
Sprayberry III

**Bachelor of Science  
in Chemical Engineering**

*Highest Honor*

Elizabeth A. Costner  
Shara Demetria McClendon  
Nicholas William Silvestri

*High Honor*

Hien Thi Dang  
Kathryn Elizabeth Jones  
Catherine Elizabeth  
O'Connor  
Gregory Patrick Robbins

*Honor*

Tram Dinh  
Eugene Jung

Abimbola Oyindamola  
Balogun  
Sebastian Garrett  
Daskawicz-Davis  
M. Garren Findlay  
Hsin-Wei Fu  
Roderick Noel Galan  
Ezequiel Alejandro  
Gutierrez-Zorrilla  
Bradley Thomas Heron  
Ryan Christopher Holbird  
Thanh My Hongkham  
Mohini Jain  
Rosalie Ivy Kelly  
Robert Neal Kinsey  
Amy Gail Kruse  
Kira Alexis Kuck  
Lauren Ann Proffitt  
Thalas Rattanaxay  
Bianca Vanessa Russ  
Rebecca Marie Seibert  
Praveena Venugopalan



*College of Engineering  
Continued*

*Bachelor of Science  
in Chemical Engineering  
Cooperative Plan*

*Highest Honor*  
Joshua Richard Farr  
William Benjamin Wellborn  
Mark Dallas Wells

*High Honor*  
Katelyn Elizabeth Swindle

Matthew Mahlon Bruley  
Jennifer Lynne Ebner  
Charles Kenny Lee  
William George Pop III  
Ryan Richardson Roper  
Bob Chih-yu Shih

*Bachelor of Science  
in Polymer and Textile  
Chemistry*

Shalonda Andrea Hall  
Davene Renee Wright

*Bachelor of Science  
in Textile Enterprise  
Management*

Jesse James Griffin

*Bachelor of Science  
in Textile Enterprise  
Management  
Cooperative Plan*

Shoy Rashel Allison

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

*Highest Honor*  
Timothy Frederick  
Uptagrafft

Candice L. Downs

*Bachelor of Science  
in Civil Engineering*

*Highest Honor*  
Daniel Coke Barr  
Staci Lynn Beckwith  
Addison B. Farley  
Donald Adam Gentry  
Andrew Joseph Schildmeyer

*High Honor*  
Stephanie Carolyn Hom  
Timothy Marshall  
Montgomery  
Jakub Sliwinski  
David Alvin Smith

*Honor*  
Nelson De La Torre  
Anthony Ferrant Fisher  
Giovanna Elizabeth Morris

Micah Florence Ballton  
Michael Dennis Bellamy  
Wendy Lynn Byerly  
Max Reagan Coursey  
William Todd Daprano  
Jason Kyle Davis  
Cornell Dennis Lloyd Gayle  
Melantha Diodonna Elise  
Herron  
Christina Nicole Lokey  
Michelle Leigh Lyons  
Douglas Eric Maney  
Kevin Lee Maxwell  
Adam Marshall McDaniel  
Christian Livingston Pitts  
Aaron Thomas Reddy  
Andrew Lee Tartaglia  
Ashley Iman Thompson  
Kevin John Thorstad  
Shirley Aida Wintsch  
Autumn Alexis Wycoff

*Bachelor of Science  
in Civil Engineering  
Cooperative Plan*

Nebiat Tsehaye Abraham  
Robert Newton Askew Jr.  
Christopher Douglas Cash  
Alisha Ryan Kaplan  
Erin Rebecca Lawson  
Dashaun Montell Milling

*Bachelor of Science  
in Electrical Engineering*

*Highest Honor*  
Irene Dershin Chow  
Itai S. Eden  
Hammad Tahir Khan  
Farhana Zaman

*High Honor*  
Leah Linn Burnett  
Fen Nan Lee  
Thomas Daniel Loveless  
Valerio Oricchio  
Kevan Arlen St. Clair Victor

*Honor*  
David W. Bettis  
Jason Paul Clark  
Shamas Musthafa Ummer

Mark Thomas Allers  
Carlos Bonilla Jr.  
Sean Paul Braunbeck  
Constance Maria Carter  
Jerry Lee Cox Jr.  
Ngoc Hoa Dong  
Justin John Esher  
Michael Sean Faughnan  
Archana Jain  
Bryan Dale Jones  
Leif Andrew Larson  
Jason Richard Marcell  
David W. Massey  
Jason Emmanuel Murchison  
Son Thanh Nguyen  
Krunal V. Patel  
Vishal Chandrakant Patel  
Jolawn O. Richardson  
Glenda Michelle Schumann  
Kyle Lloyd Seaton  
Shonta Latrece Shephard  
Stephen Burnette  
Thompson  
Steven Keith Thompson  
Narayana Chenulu  
Varahabhatla  
Adam Reid Walding  
Donald L. Yeh

*Bachelor of Science  
in Electrical Engineering  
Cooperative Plan*

*High Honor*  
Robert Trevor Yhap



*College of Engineering  
Continued*

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Jeremy David Cox  
Bryan William Manson  
Rusty Keith Ortkiese  
Christopher Mark Sanders

*Bachelor of Science  
in Electrical Engineering  
Regional Engineering  
Program*

Clinton Eric Amerson

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

Paul Bryan Saa

*Bachelor of Science  
in Mechanical Engineering*

*Highest Honor*  
David Forbes Blackburn  
Marcus Todd Eliason  
Sheenfar Sean Fong  
Shawn Michael O'Connor

*High Honor*  
Zachary Jonathan Eaton  
Joseph Young Kim  
David Shawn Sanford

*Honor*  
Frederick John Bailey IV  
Anthony Martin Jr.

Davide Allan Bianchini  
Jason Bryan Chafin  
Daniel William Chind  
Matthew Collins II  
Justin DeRogers Cotton  
Keith Lynn Cox  
Ryan Benjamin Curry  
James Lee Dalberg  
David Randall Doerman  
Gary Wayne Forbes  
Darceia K. Hasberry  
Karol Constantine Hatzilias

Heather Anne Ivey  
Edwin Jay Johnson  
Attir Khalid  
Eric Hugh Knapp  
Vincent Thomas Langabee  
Armond Telmarez Lemon  
Cory Phillip Reissig  
Nicholas Lee Salters  
Adis Skejic  
Hugh Huyle Tran  
Cato Walthour III  
Calvin Shiu Lun Wan  
Joel Ray Williams

*Bachelor of Science  
in Mechanical Engineering  
Cooperative Plan*

*Highest Honor*  
Justin Cyle Bennett  
Donald Albert Bradley  
James Lamar Cline Jr.  
Milnes Paul David  
John Spencer Tyndall  
Philip Ronald Veazey Jr.

*High Honor*  
Michael Rutledge Flynn  
Erik Oscar Sunden

*Honor*  
Priscilla Amber Harmon

Hesham Fahmi Abukhdeir  
Anthony Joseph Agusti  
Carter Crittenden Bennett  
Joel Samuel Binder  
Thomas Justin Christian  
Geminesse Mayresa Dorsey  
Timothy Brian Fitzsimmons  
Jarod Paul Harper  
Colin William Holden  
Nicholas D. Keller  
Carl Thompson Laniak  
Matthew Jeremy Litman  
Christopher Roy Morrison  
Russell Keith Ortkiese  
Andrew Ogden Wyse



# *Provost Jean-Lou Chameau Georgia Institute of Technology*

*G*orgia Tech's chief academic officer, Provost and Vice President for Academic Affairs Jean-Lou Chameau also serves as Georgia Research Alliance Eminent Scholar and professor of civil and environmental engineering. He previously served as dean of Georgia Tech's College of Engineering.

Much of Dr. Chameau's work is focused on making Georgia Tech a worldwide model for interdisciplinary activities, technology innovation and entrepreneurship, and sustainable technology, as well as a catalyst for economic development. He is placing a particular emphasis on efforts to improve the educational experience of students, increase diversity on campus, and foster entrepreneurship and international opportunities for faculty and students.

Honors and awards Dr. Chameau has received include the Georgia Tech Student Government Association Administrator of

the Year, Cross-Canada Geotechnical Lecturer, Distinguished Lecturer of the National Science Council (Taiwan), American Society of Civil Engineers A. Casagrande Award, National Science Foundation Presidential Young Investigator Award, and the Medaille d'Argent, Ecole Nationale Supérieure d'Arts et Métiers (Paris, France).



Dr. Chameau received his secondary and undergraduate education in France, and graduate education in civil engineering from Stanford University. He served on the civil engineering faculty at Purdue University from 1980 to 1991, and was director of the School of Civil and Environmental Engineering at Georgia Tech from 1991 to 1994. In 1994-95, he was president of Golder Associates Inc., before returning to Georgia Tech as dean of the College of Engineering. He currently serves on the boards of directors for MTS Systems Corporation and Prime Engineering.



# Commencement Speaker Professor C. P. Wong

A professor in Georgia Tech's School of Materials Science and Engineering since

1996, C. P. Wong holds a bachelor's degree in chemistry from Purdue University and a Ph.D. in inorganic/organic chemistry from Pennsylvania State University. After his doctoral study, he was awarded a two-year post-doctoral fellowship with Nobel Laureate Professor Henry Taube at Stanford University, where he conducted studies on the electron transfer and reaction mechanism of metallocomplexes. He was the first person to synthesize the first known lanthanide and actinide porphyrin complexes, which represents a breakthrough in metalloporphyrin chemistry.

In 1977, Dr. Wong joined AT&T Bell Laboratories and began working on the research and development of polymeric materials for electronic and photonic applications. In 1992, he was elected an AT&T Bell Laboratories Fellow (the most prestigious award bestowed by Bell Labs) for his fundamental contributions to low-cost, high-performance plastic packaging of semiconductors. Upon joining the Tech faculty in 1996, Dr. Wong also became research director of the NSF-funded Packaging Research Center. He was named a Regents' Professor in 2000. His research interests lie in the fields of polymeric materials, high Tc ceramics, materials reaction mechanism, and IC encapsulation.

In the eight years since he joined Georgia Tech's faculty, Dr. Wong has secured research grants and contracts from

a wide variety of government agencies and private corporations. For these distinguished efforts, he received the Georgia Tech Outstanding Research Program Development Award in 1999. In addition, Dr. Wong has received more than twenty-five Outstanding and Best Paper Awards from the Institute of Electrical and



Electronics Engineers and the International Materials and Packaging Society since 1996. Among these honors are the IEEE Outstanding Sustained Technical Contribution Award, the Award of Excellence from University Press (London), the 2002 IEEE Exceptional Technical Achievement Award, the Harry Toops Award for Fundamental

Contributions to Electronic Packaging, and awards from the Georgia Tech chapter of Sigma Xi for Best Faculty, Best Master's Thesis, and Undergraduate Research. For his sustained and significant contributions in materials and process in electronics, he was elected a member of the National Academy of Engineering in 2000.

Throughout his career, Dr. Wong has been teaching and mentoring students. Since coming to Georgia Tech, he has served as thesis advisor to seven Ph.D. students and fourteen master's students, in addition to advising fourteen undergraduates and twelve postdoctoral fellows and visiting scholars. Dr. Wong has also participated in Georgia Tech's Summer Program for Undergraduate Research, Summer Undergraduate Research for Underrepresented Students, and the Georgia Summer Intern for High School Teachers programs.





## 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 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.



# 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 is a leader in integrating computer science with other disciplines to address problems in a number of areas including communication, education, and health. Through its interdisciplinary charter, the College has forged relationships with nearly every unit at Georgia Tech and several universities around the world. The College also has four interdisciplinary research centers: the Center for Experimental Research in Computer Systems; the Georgia Tech Information Security Center; the Graphics, Visualization, and Usability Center; and the Modeling and Simulation Research and Education Center.

In the fall of 2003, enrollment in the College included 1,236 undergraduate students and 484 graduate students.

Prominent alumni of the College include Craig Mundie (1971, 1972), senior vice president and CTO, Advanced Strategies & Policy, Microsoft; Jim Allchin (1983), senior vice president, Microsoft; Jody Dyer (1971), director, Encore; James Folsom (1970, 1972), president and CEO, Laszlo Systems; 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 704 undergraduates and 227 graduate students in the fall of 2003.

The College has been an innovative leader in the fields of information and game design, educational technologies, Internet governance, 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 2003, 639 undergraduate and 331 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 2002-2003.

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 & 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 2003, the College enrolled 865 undergraduate students and 740 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 Nobel Prize recipient; 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 & 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 plans and conducts focused programs of innovative research, education, and economic development that advance the global competitiveness and security of Georgia, the region, and the nation. GTRI's approximately 1,200 employees perform or support more than \$120 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 mission includes promoting Georgia's industrial and economic development; encouraging development and use of Georgia's natural resources; providing continuing education instruction; and participating in national programs of science, technology, and preparedness.

### ***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 masters 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.

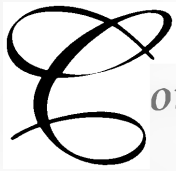
## *The Ramblin' Wreck*

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*

Allison Brubaker

*Announcer*

Dr. William Johnson

*Campus Police*

Teresa Crocker and staff

*Graduate Studies*

Maureen Kilroy

*Institute Communications and Public Affairs*

Aimee Anderson and staff

*Music Department*

Frank Clark, Christine Marks, and

Ron Mendola

*Plant Operations*

Staging staff

*Registrar's Office*

April Boatwright, Angela Bradd, Candy Carson,

Ann Laros, Jo McIver, Debbie Williamson,

Craig Womack, and staff

*Sound Designer*

Jess McCurry

*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.*

