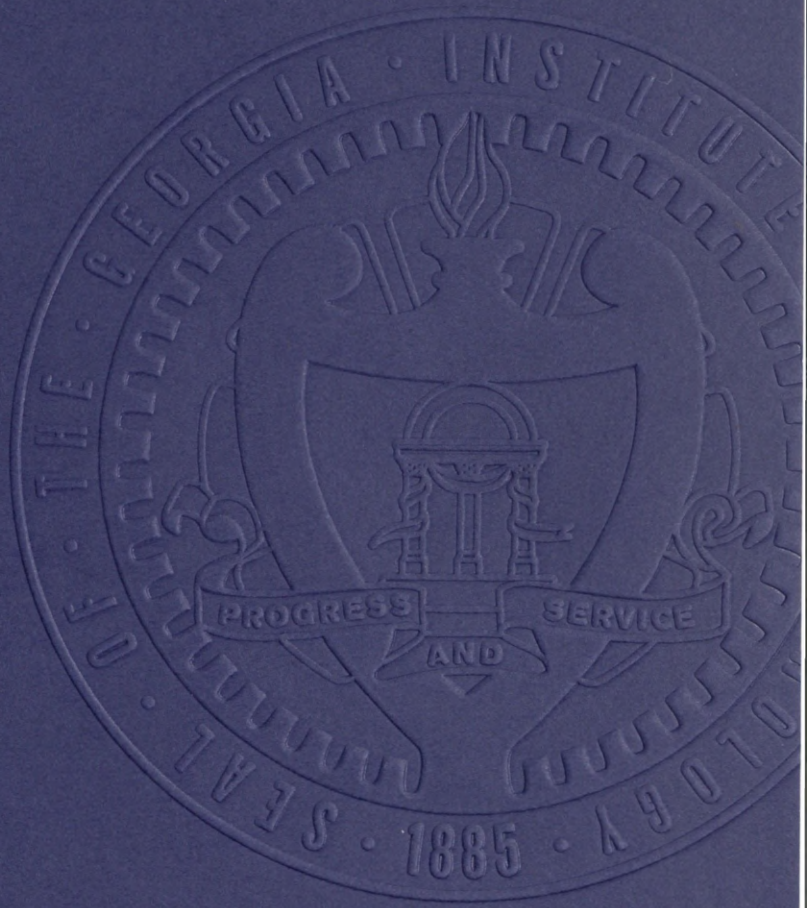




Georgia Institute
of Technology



Commencement
SUMMER 2002
Ceremony



*elcome to the 213th 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 800 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 2, 2002 • 9:00 a.m.
Alexander Memorial Coliseum*

PROCESSIONAL	Georgia Tech Brass Ensemble, coordinated by Mr. Ron Mendola, Department of Music
MASTER OF CEREMONIES	Dr. Wayne Clough, president
REFLECTION	Mr. Carlton O. Parker, director, YMCA
NATIONAL ANTHEM	Georgia Tech Brass Ensemble
COMMENCEMENT ADDRESS	Dr. Jay David Bolter, professor School of Literature, Communication, and Culture
PRESENTATION OF DOCTORAL DEGREE CANDIDATES	Dr. Charles Liotta, vice provost for Research and dean of Graduate Studies
CONFERRING OF DEGREES	Dr. Clough
PRESENTATION OF MASTER'S DEGREE CANDIDATES	Dr. Liotta
CONFERRING OF DEGREES	Dr. Clough
INTRODUCTION OF ACADEMIC DEANS	Dr. Jean-Lou Chameau, provost and vice president, Academic Affairs
PRESENTATION OF UNDERGRADUATE DEGREE CANDIDATES	College of Computing Associate Dean James D. Foley Ivan Allen College Associate Dean Richard Barke College of Architecture Dean Thomas D. Galloway DuPree College of Management Professor Christina Shalley College of Sciences Dean Gary B. Schuster College of Engineering Associate Dean J. Narl Davidson



CONFERRING OF DEGREES	Dr. Clough
INDUCTION INTO THE ALUMNI ASSOCIATION	Mr. Robert L. Hall, Class of 1964 president, Georgia Tech Alumni Association
ALMA MATER	Georgia Tech Brass Ensemble
FACULTY RECEPTIONAL	Georgia Tech Brass 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.



*D*octoral Degree Candidates

Doctor of Philosophy Bioengineering

Julian Alexander Bragg
Thesis: "A Biomorphic, Integrated-Circuit Implementation of a Mammalian Motor Pool with Afferent Feedback"
Advisor: Dr. Stephen P. DeWeerth

Matthew Tate
Thesis: "The Development of Extracellular Matrix-based Neural Stem Cell Transplants for Treatment of Traumatic Brain Injury"
Advisor: Dr. Michelle LaPlaca

Doctor of Philosophy Algorithms, Combinatorics, and Optimization

Balaji Gopalakrishnan
Thesis: "Least-Squares Methods for Solving Linear Programming Problems"
Advisor: Dr. Ellis Lane Johnson

Doctor of Philosophy Computer Science

Arno Schoedl
Thesis: "Multi-dimensional Exemplar-based Texture Synthesis"
Advisor: Dr. Irfan Essa

Saurabh Sinha
Thesis: "Static and Dynamic Analysis of Programs that Contain Arbitrary Interprocedural Control Flow"
Advisor: Dr. Mary Jean Harrold

Victor B. Zordan
Thesis: "Motion Capture-Driven Simulations that Hit and React"
Advisor: Dr. Jessica K. Hodgins

Doctor of Philosophy Public Policy

Elizabeth Ann Corley
Thesis: "Public Values and Spatio-Temporal Scales of Logging: A Case Study of Citizens and Experts in the Chattahoochee National Forest"
Advisor: Dr. Bryan G. Norton

Doctor of Philosophy History of Technology

Matthew George Hild
Thesis: "Greenbackers, Knights of Labor, and Populists: Farmer-Labor Insurgency in the Late Nineteenth-Century South"
Advisor: Dr. Robert C. McMath

Doctor of Philosophy Architecture

Pauline Marie Morin
Thesis: "Conjectures on Albertis Unwritten Epilogue"
Advisor: Dr. Jean D. Wineman

Doctor of Philosophy Management

Jill Elaine Perry-Smith
Thesis: "The Social Side of Creativity: An Examination of a Social Network Perspective"
Advisor: Dr. Christina E. Shalley

Doctor of Philosophy Earth and Atmospheric Sciences

Daniel Koewing Burnell
Thesis: "A Groundwater Flow and Solute Transport Model of Sequential Biodegradation of Multiple Chlorinated Solvents in the Surficial Aquifer, Palm Bay, Florida"
Advisor: Dr. Robert P. Lowell



Gregory M. Schultz

Thesis: "Hydraulic and Geophysical
Characterization of Spatio-Temporal
Variations in Coastal Aquifer Systems"
Advisor: Dr. Carolyn D. Ruppel

Doctor of Philosophy
Applied Biology

Michelle Hope Howard-Jones

Thesis: "Differentiating between Living
and Non-Living Cells: Development and
Evaluation of a Modified VSP Method"
Advisor: Dr. Thomas J. Dichristina

Doctor of Philosophy
Applied Mathematics

Martial Marie-Paul Agueh

Thesis: "Existence of Solutions to
Degenerate Parabolic Equations via the
Monge-Kantorovich Theory"
Advisor: Dr. Wilfred Gangbo

Gianluigi Del Magno

Thesis: "Dynamics of Billiards"
Advisor: Dr. Leonid Bunimovich

Djivede Armel Juste Kelome

Thesis: "Viscosity Solutions of Second-
Order Equations in a Separable Hilbert
Space and Applications to Stochastic
Optimal Control"
Advisor: Dr. Andrzej Swiech

Hamed Maroofi

Thesis: "Applications of the Monge-
Kantorovich Theory"
Advisor: Dr. Wilfred Gangbo

Jorge Luis Rebaza-Vasquez

Thesis: "Computation and Continuation
of Equilibrium-to-Periodic and Periodic-
to-Periodic Connections"
Advisor: Dr. Luca Dieci

Doctor of Philosophy
Psychology

Kyle Douglas Burks

Thesis: "The Science of Animal Intro-
ductions: Toward a Methodology for
Scientific Animal Management"
Advisor: Dr. Terry L. Maple

Doctor of Philosophy
Physics

Andry Galiautdinov

Thesis: "Quantum Theory of Elementary
Processes"
Advisor: Dr. David Finkelstein

Doctor of Philosophy
Chemistry

Richard Martin Anderson

Thesis: "Magneto-Optical of
Superparamagnetic Spinal Ferrite
Nanoparticles"
Advisor: Dr. Z. John Zang

Rochelle Lee Fisher Bradford

Thesis: "Synthesis of Thioketones for a
Liquid Crystal-based Optical Switch"
Advisor: Dr. Gary B. Schuster

Timo Kikas

Thesis: "Chemical Plume Tracking: From
Virtuality to Reality"
Advisor: Dr. Jiri Janata

Jonathan Paul McCarney

Thesis: "Reactions and Process
Separations in Environmentally
Benign Media"
Advisor: Dr. Charles L. Liotta

Brian Joseph Polk

Thesis: "Development of Chemically
Sensitive Field-Effect Transistor Arrays
and Selective Materials"
Advisor: Dr. Jiri Janata

Doctor of Philosophy
Materials Science and Engineering

Gong Zhang

Thesis: "Modeling and Characterization
of Mixed Ionic-Electronic Conductors
for Hydrogen Separation"
Advisor: Dr. Meilin Liu

Doctor of Philosophy
Textile Engineering

Shijian Luo

Thesis: "Study on Adhesion of Underfill
for Flip Chip Packaging"
Advisor: Dr. C.P. Wong



Xin Shao

Thesis: "Theoretical Modeling of the Tensile Behavior of Staple Yarn"
Advisor: Dr. Youjiang Wang

Doctor of Philosophy
Industrial Engineering

Woojin Chang

Thesis: "Polling Networks with Limited Service Policies and Wavelet-based Information Fusion and Dimension Reduction"
Advisor: Dr. Brani Vidakovic

Lisa Anne Evans

Thesis: "Cyclic Group and Knapsack Facets with Applications to Cutting Planes"
Advisor: Dr. Ellis Lane Johnson

Seung Man Lee

Thesis: "Agent-based Simulation of Socio-Technical Systems: Software Architecture and Timing Mechanisms"
Advisor: Dr. Amy R. Pritchett

James Glenn Miller

Thesis: "Predictive Inference: A Comparative Analysis"
Advisor: Dr. Paul H. Kvam

Dong-Won Seo

Thesis: "Performance Analysis of Queuing Networks via Taylor Series Expansions"
Advisor: Dr. Hayriye Ayhan

Julia Chia-Chieh Tsai

Thesis: "Statistical Learning in High-dimensional, Continuous-state Stochastic Dynamic Programming with Application to Inventory Forecasting and Wastewater Treatment"
Advisor: Dr. Victoria Chung-Ping Chen

Doctor of Philosophy
Aerospace Engineering

Elif Ahci

Thesis: "Modeling of Viscoelasticity and Damage in Composite Laminates by Continuum Thermodynamics"
Advisor: Dr. Ramesh Talreja

Debora Daniela Daberkow

Thesis: "Formulation of Metamodel Implementation Processes for Complex Systems Design"
Advisor: Dr. Dimitrios N. Mavris

Mael Leo David Soliman Disseau

Thesis: "Development and Investigation of a Small, High-aspect Ratio, Two-stroke Engine"
Advisor: Dr. Jechiel Jagoda

Allan Dokhan

Thesis: "The Effects of Aluminum Particles Size on Aluminized Propellant Combustion"
Advisor: Dr. Edward W. Price

Sunil Kuriakose

Thesis: "Analysis of Damage in Composite Laminates under Bending"
Advisor: Dr. Ramesh Talreja

Doctor of Philosophy
Chemical Engineering

Jason Patrick Hallett

Thesis: "Enhanced Recovery of Homogeneous Catalysts through Manipulation of Phase Behavior"
Advisor: Dr. Charles A. Eckert

Yiming Li

Thesis: "Copper Patterning Using Plasma Techniques"
Advisor: Dr. Dennis W. Hess

Broderick Rodell Wilks

Thesis: "Free Volume and Free Volume Distribution Impact on Transport Properties in Amorphous Glassy Polymers"
Advisor: Dr. Mary E. Rezac

Doctor of Philosophy
Environmental Engineering

James E. Amburgey

Thesis: "Improving Filtration for Removal of Cryptosporidium Oocytes and Particles from Drinking Water"
Advisor: Dr. Appiah Amirtharajah



Kun-Lin Yang

Thesis: "Electrical Double-layer Formation at the Nanoscale: Molecular Modeling and Applications"
Advisor: Dr. Sotira Yiacoumi

***Doctor of Philosophy
Civil Engineering***

Scott Lowrey Deaton

Thesis: "An Integrated Digital System for Earthquake Damage Reconnaissance"
Advisor: Dr. James D. Frost

Francisco Maldonado Dortunet

Thesis: "Sustainable Development Criteria for the Evaluation of Highway Projects"
Advisor: Dr. Jorge A. Vanegas

Shikha Rahman

Thesis: "Effect of Roughness on Scalar Diffusion in Turbulent Boundary Layers"
Advisor: Dr. Donald Webster

Xiaodong Tian

Thesis: "3DLIF and Its Applications to Studies of the Near Field Mixing in Wastewater Discharges"
Advisor: Dr. Philip J. Roberts

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

Sung Pil Chang

Thesis: "Robust Capacitive Pressure Sensors for Mechanically Harsh Environments"
Advisor: Dr. Mark G. Allen

Mahmut Ciftci

Thesis: "Channel Equalization for Chaotic Communications Systems"
Advisor: Dr. Douglas B. Williams

Joseph Martin Hobbs

Thesis: "Integration of Thin-film Polymer Ceramic Nanocomposite Capacitor Dielectrics in SOP for Decoupling Applications in High-speed Digital Communications"
Advisor: Dr. Rao R. Tummala

Jeng-Jung Shen

Thesis: "Heterogeneous Integration and the Exploitation of Strain in MBE Growth: Engineered Substrates"
Advisor: Dr. April S. Brown

Mark Hilton Smith

Thesis: "Electromagnetic Scattering from Three-dimensional Penetrable Structures Computed with Combined-field Integral Equations on Dual Interlocking Meshes"
Advisor: Dr. Andrew F. Peterson

Vasos Vassiliou

Thesis: "An Integration Framework and a Signaling Protocol for MPLS/DiffServ/HMIP Radio Access Networks"
Advisor: Dr. Henry Walter Lilly Owen

Changyun Yi

Thesis: "InP-based Heterojunction Bipolar Transistors for High-speed and RF Power Applications: Advanced Emitter-based Designs"
Advisor: Dr. April S. Brown

***Doctor of Philosophy
Nuclear Engineering***

Lisa Gee Chiang

Thesis: "Passive Coincidence Technique to Determine Shape of Plutonium Objects Using Second Order Statistics"
Advisor: Dr. C.K. Wang

Edward Albert Hoffman

Thesis: "Neutron Transmutation of Nuclear Waste"
Advisor: Dr. Weston Monroe Stacey

Wondwosen Mengesha

Thesis: "NaI(Tl) Electron Energy Resolution"
Advisor: Dr. John D. Valentine

***Doctor of Philosophy
Mechanical Engineering***

Richard Scott Cowan

Thesis: "Development of Tribological Design Strategies Based on the Thermo-mechanical Wear Transition Model"
Advisor: Dr. Ward O. Winer



Nathan Peter Davis

Thesis: "Response of Arteries to Axial
Mechanical Stimuli in Organ Culture"
Advisor: Dr. Raymond P. Vito

Ty Grant Dawson

Thesis: "Machining Hardened Steel with
Polycrystalline Cubic Boron Nitride
Cutting Tools"
Advisor: Dr. Thomas R. Kurfess

Lynnane Ellis George

Thesis: "Active Vibration Control of a
Flexible Base Manipulator"
Advisor: Dr. Wayne J. Book

Chung-Hyun Goh

Thesis: "Crystallographic Plasticity in
Fretting of Ti-6Al-4V"
Advisor: Dr. David L. McDowell

Karel Minnaar

Thesis: "Experimental and Numerical
Analyses of Damage in Laminate
Composites under Impact Loading"
Advisor: Dr. Min Zhou

Anand Ramesh

Thesis: "Prediction of Process-Induced
Microstructural Changes and Residual
Stresses in Orthogonal Hard Machining"
Advisor: Dr. Shreyes N. Melkote

Seungwon Shin

Thesis: "A Level Contour Reconstruction
Method for Three-dimensional
Multiphase Flows and Its Application"
Advisor: Dr. Damir Juric



Master's Degree Candidates

Ali Saad Al-Dossary
*Electrical and Computer
Engineering*

Lars Jan Beckmann
*Electrical and Computer
Engineering*

Thorben Benesch
Environmental Engineering

Robert Stevie Berryman Jr.
Civil Engineering

Robert James Bondi
*Electrical and Computer
Engineering*

Michael Breede
*Electrical and Computer
Engineering*

Jan Michael Brosi
*Electrical and Computer
Engineering*

Evan Jacob Brown
Aerospace Engineering

David Joseph Cancelleri
Public Policy

Matthew James Channon
*Electrical and Computer
Engineering*

R. Clint Chedester
Mechanical Engineering

Michael Colella
Mechanical Engineering

Charles Alan Corbett
*Electrical and Computer
Engineering*

Erik Hakon Dyrkoren
Mechanical Engineering

Jialiang Fei
Aerospace Engineering

David Harold Frakes
Mechanical Engineering

Theresa Teh-Lan Fu
Environmental Engineering

Yurrya Tom Heymann
Environmental Engineering

Rongqiang Hu
*Electrical and Computer
Engineering*

Seyhmus Inci
Industrial Engineering

Woojay Jeon
*Electrical and Computer
Engineering*

Shirlan Conrad Johnson
*Electrical and Computer
Engineering*

Yoonju Jung
Civil Engineering

Oleksandr G. Karabanov
*Earth and Atmospheric
Sciences*

Vijay Kasi
Textile and Fiber Engineering

Paul Robert Kaster Jr.
*Electrical and Computer
Engineering*

Sven Krasser
*Electrical and Computer
Engineering*

Meng-Chang Lee
*Electrical and Computer
Engineering*

Thierry Claude Leichle
*Electrical and Computer
Engineering*

Heng Ly
Textile and Fiber Engineering

Toni Rae Millikan
Textile and Fiber Engineering

Swomitra Kumar Mohanty
*Electrical and Computer
Engineering*

Christopher Mark Mohrman
Economics

S. Gordon Moore Jr.
Economics

Bhyrav Murthy Mutnury
*Electrical and Computer
Engineering*

Susan Michelle Nooney
Environmental Engineering

David John Parnell
*Electrical and Computer
Engineering*

Meredith Suzanne Pearce
*Earth and Atmospheric
Sciences*

Julie Kaye Pickett
*Electrical and Computer
Engineering*

Madhavan Narasimhan
Poyyapakkam
Aerospace Engineering

Roya Rostamian
Civil Engineering

Paul Patrick Ryan
*Electrical and Computer
Engineering*



Manit Satitsamitpong
Management

Adam Slapkus
Civil Engineering

Georgios Konstantinos
Stefopoulos
*Electrical and Computer
Engineering*

Jin Tong
Environmental Engineering

Jacqueline Marie Tront
Environmental Engineering

Eric Alan Vaitl
*Electrical and Computer
Engineering*

Xuecheng Yin
*Electrical and Computer
Engineering*

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

Toni George Pashley

***Master of Science in
Bioengineering***

Jeffrey Paul Halladay
Timothy Punahele Tolentino

***Master of Science in
Polymers***

Tamara Mace
Lulu Song
Xiefei Zhang

***Master of Science in
Statistics***

Yongro Park

***Master of Science in
Computer Science***

Bikash Kumar Agarwalla
Colin Bauer
Christoph Csallner

Michael Wilson Fulk
Ivan Borisov Ganev
Kathleen Arnold Gray

Marcus Handte
Michael C. Holloway
Ankit Jain

Bolot Kerimbaev
Jiantao Kong
Lei Kong
Subramanian Lakshmanan
Timothy Alan Larson

Othmar Lehmann
Gang Liang
Chenghuai Lu
Dean Mao
Christina Dawn Medlin
Ranjeeta Nanda
Catherine Eichholz Polk
Prerana Sharma
Yifan Shi
Abhishek Singh
Bradley Allen Singletary
George Thomas
Jianping Wu

***Master of Science in
International Affairs***

Tomoko Ota

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

David Edward Durovy
Aditya Johri
Sin-Hwa Kang
Loping Wei
Eli Levi Wendkos

***Master of Science in
History of Technology***

Christopher Shawn
McGahey
Vinod Sharma

***Master of Science in
Public Policy***

Paul Michael Counts
Sushanta Kumar Mohapatra

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

Larry Joe Dove II
Brad Oliva
Carla Cecilia Reyes-Martin
Ryan A. Studzinski

Master of Architecture

Ali Azami
Fabien Francois Gantois
Christopher Noel Lodge
James Ross McCain
Ryan Paul Schultz
Domenick Joseph Holland
Treschitta

***Master of City and
Regional Planning***

Nirupama Nita Bhave
Kyethea Eyvonne Kirk
Quentin Zachary Krueel

***Master of Science in
Management of Technology***

Rainer Timo Nurkkala

***Master of Business
Administration***

Xiaolan Li

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

Daniel Aron Diamond
Michael Patrick Lesley
Kayla Christine Lewis

***Master of Science in
Psychology***

Carl Timothy Blunt
Chao-Chung Lin
Mary Boyle Perdue
Aideen Joyce Stronge

***Master of Science in
Applied Biology***

Nataliya V. Shmeleva

***Master of Science in
Bioinformatics***

Ying Liu

***Master of Science in
Applied Mathematics***

James William Doto
Renfu Li
Xiping Zhang

***Master of Science
in Physics***

Jasper Raymond Lewis Jr.
Sally Catherine Maddocks
Elena Shchekinova
Manav Sheoran
Nathaniel James Wentzel
Michael Keith Yakes

***Master of Science
in Chemistry***

Benjamin R. Ayres
Huachuan Cao
Kelly Joy Dennison
Douglas Jerome Hickman
Luke Bennett Roberson
Jamie Maddox Summerour
Jeremy R. Thompson
Liz A. Thompson

***Master of Science in
Health Physics***

Kathleen A. Foster
Karen Myra Gross
Scott Allen Hudson
Raymond Charles Karol

***Master of Science in
Health Systems***

Natasha Denise Celestin
Eileen Beth Hitcho
Salima Sadrudin Hooda
Amanda Michele Stein

***Master of Science in
Nuclear Engineering***

Andrew Nelson Mauer

***Master of Science in
Operations Research***

Ingolfur Thor Agustsson
Kenneth Wade Jackson
Yong Kyu Jung
Dean Lawrence Sanzo
Thaisiri Watwai

***Master of Science in
Industrial Engineering***

Nirupama Nita Bhave
Johnita LaVal Byrd
Rajesh Gopal
Oliver Grimm
Budhaditya Gupta
Claudius Alexander Illgen
Ariel David Juduszliwer
Jean-Francois Laures
John Chung Lee
Chien-Chun Liu
Asif Mohammed
Ruben Lopez Moreno
Marcus Vinicius
De Noronha
Julie Marie Rahm
Iwo Viktor Riha
John Wilson Ringo Jr.
Joi LaChelle Roberts
Dida Rowena Sicangco Ruiz
Jisun Song
Andre Luiz Braucks Vianna
Ying Wang

***Master of Science in
Aerospace Engineering***

Mark Birney
Joerg Steffen Dittrich
Tommer Rafael Ender
Naveen Gopal
Georg Grillmayer
Geoffrey James Jeram
Suresh Kumar Kannan
Doh-Hyoung Lee
Renfu Li
Harjit Lota
Chandeok Park
Sriram K. Rallabhandi
Anjaneya Kappagantu
Sastry
Jin Hou Soo
Shannon Sue Vogus

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

Sounak Banerji
G. Siva Kumar V.
Kelekanjeri
Gregory Brian Kennedy
Timmy James Long
Keith G. Rozenburg

***Master of Science in
Chemical Engineering***

Anil Dhansukh Amlani
Ernesto Jose Angueira
Harold Roger Azencott
Manish Shivanand Borkar
Joseph William Cooke
Yalin Hao
Trevor Peter Jarvis Hoskins II
Sylvia Bandy Little
Tracey Lyn Murphy
Lovejeet Singh
Joe-lahai Sormana
Yanyan Tang
Fangbin Zhou

***Master of Science in
Textile and Fiber
Chemistry***

Mojgan Bakhshae

***Master of Science in
Textile and Fiber
Engineering***

Pallavi Kondapalli

***Master of Science in
Environmental Engineering***

Hanlim Lee
Sangil Lee
Jay Earl Renew
Joseph Karl Santos
Robert Eugene Sauer Jr.



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

David Freyr Albertsson
John Benjamin Arnette
Bryce Everett Binney
Waldemar E. Del Valle
Rodriguez
Rebeca Ayala Farias
Prateek Goel
Jeffrey Owen Hackney
Meredith Barrett Hall
John David Hausman
Heather Elaine Henck
I-Pei Hung
Do-Hwan Kim
Quentin Zachary Kruel
Jacob Henry LaFontaine
Jong-Sub Lee
Tianfei Liao
Richard Warren Martin Jr.
Eileen C. McEnroe
Benjamin John Mohr
Martina Novak
Geoffrey McLester Parker
Michael Craig Posey Jr.
Laura Ann Pope Rader
Brian James Smith
Kevin Martin Stewart
Gopi Krishna Tammana
Michael Philip Whitman
Mehmet Fatih Yorulmaz

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

Andrew Michael Bacon
Amanuel Araya Belay
Paul Bellavoine
Pierre-Alain Gerald Boeuf
William Thomas Boles III
Evon Herbert Braselman
Daniel Robert Chandler
Hyung Keun Choi
Timothy John Cobb
William Henry Cumby
Benjamin Declety
Christophe Bruno Deletang
Edouard G. Desautel
James McAlexander
Eubanks
Ethan David Farquhar
Michael Dennis Farrell Jr.
Mark R. Gildersleeve

David Wilson Graham
Jacqueline Renee Griffin
Peter C. Haugen
Daniel Joseph Hurley
Jeremiah D. Jordan
Tarek Kamoun
Nazneen Begum Khan
Sarat Krishnan
Gregory Augustus Krudysz
Neeraj Lal
David Christopher Leas
Timothy Maese
Dennis Edward Mahoney
Erika Lucretia McGrew
Adam Charles Means
Sanjay R. Momaya
Christian Paul Nelson
Oluwafemi Olusegun
Ogunsola
Guclu Onaran
Dominic Anthony Perea
Amanda Jervis Preyer
Daniel J. Rissacher
Harris Todd Schneiderman
Daniel Aron Simkin
Jean-Sylvere Simonet
Cameron Lee Smallwood
Andrew Neil Stein
John Duncan Stone
Adam Walter Toner
Joseph John Varachi
Paul Gehring Walter
Deric Wayne Waters
Eric Reginald Williams
Joe Leslie Wilson Jr.

***Master of Science in
Mechanical Engineering***

Matthew Greg Abercrombie
Ronan Autret
Melissa Ann Bargmann
Julien David Bassett
Bradley Haskell Butcher
Sebastien Buzit
John Milton Calico
Maria-Isabel Carnasciali
Matthew Kipp Chamberlain
Benjamin Mark Dempsey
Mary Elizabeth Douglas
Raynald Fabrice Eloundou
Douglas Jeffrey Fenneman
Marco Gero Fernandez
Pascal Ferrari
Benjamin Carter Findley

Vincent J. Fort
Vincent Galea
Jack Cabell Griffiss III
Olivier Cedrick Guerin
Neal Allen Hall
Timothy James Hartigan
Mark Horner Holdhusen
Larry Keith Hooks Jr.
Turner Andrew Howard
Andrea Lynn Jensen
Jonathan Paul Keegan
Nathan James Kelley
Susan Elaine Knueven
Olivier X. Langeard
Jason William Lawrence
Theodoros Lamprou
Lazarakis
Matthew Victor Lebeck
Angela Sheue-Ping Lin
John Andrew Malluck
Courtney Elizabeth Marrett
Jeffrey D. Marx
Damien Moreau
Alexandre Marc Moulart
Matthew Justin Murray
Seong Joon Ok
Julien Pennecot
Cynthia M. Phillips
Gnyaneshwar Ramakrishna
Kevin S. Rees
Charles Steven Renfro
Jefferey J.R. Reperant
Erick Eladio Rios
Christopher Valentino Robb
Laura Elizabeth Rowe
Katharine Meghan Shilling
Chris Michael Shumway
Robert Evan Snodgrass
John Dietrick Struble
Shivesh Kumar Suman
David Allen Tamburello
Oluwatosin Oyewole
Tomori
Damon Lee Underwood
Priya Vallabh
Debao Zhou



Bachelor's Degree Candidates

College of Computing

Bachelor of Science in Computer Science

Highest Honor

Peter Colin Dillinger
Duc Quang Ngo
Robert Joseph Raines
Nitesh Kumar Sapra
Rahul Saxena
Forlon Truong

High Honor

Sanjay Bhatia
Jeffrey Michael Kwasha
Stephen Edward Lewis
Alfred John Park
Timothy P. Pitts

Honor

John Patrick Anderson
Justin Michael Crowell
Zachary Mark Haehn
Steven Scott Jordan Jr.

Christopher Michael Adams
William Francis Branan
Matthew Jackson Carroll
Ping Du
Jason Keith Ertle
Paul Roger Everton
Daniel P. Geronimos
Randall Corey Hutchison
Max Hwang
Moshe Z. Jacobson
Joshua Aaron Jones
Ryan Edward Killgore
Prashanth Kolli
Jay V. Kyle
Keisha Michelle Lanier
Christopher Carl Lawrence
Jason Thomas Leithem
Seth Michael Lemoine
Richard Harper Maddox
Azeem M. Malik
Blake Whitlow Markham
Todd E. Matthews

Patrick Scott McAndrew
Luke Anthony McCampbell
Eric Richard Mickley
Christopher Denton Morris
Wendy Wanyi-Wu Mui
John Gaillard Nowell Jr.
Benjamin Michael Phillips
William M. Rachelson
David Nelson Raines
Trenton Joseph Roche
Nicholas Kim Rodriguez
Daniel Ben Seely
Craig Christopher Sellars
Joshua Brandelle Sklare
Christopher Tillotson
Daniel Kenneth Timko
Hitendra Singh Verma
Shuo Wang
John Andrew Yeager

Bachelor of Science in Computer Science Cooperative Plan

Highest Honor

Daniel Gredler
Logan Koerner Hauenstein

High Honor

Allen Kendrick Bray

Timothy John Alman
David Carpmann
Jeffrey David Crider
Marco Aurelio Hinds Jr.
Jeffrey Scott Jopling
John David Matson
Trevor Michael Paddock
Hossein Ahmad Sharifi

Ivan Allen College

Bachelor of Science in Public Policy

High Honor

David A. Hohenstern

Bachelor of Science in History, Technology, and Society

Highest Honor

Justin Michael Hargrove

Honor

Evelyn Neel Range
Kelsey Camille White

Brennan Todd Bair
Daniel Ryan Kinsey
Sara Nicole Morgan

Bachelor of Science in History, Technology, and Society Cooperative Plan

Honor

Russell Stephen Virgilio

Bachelor of Science in Science, Technology, and Culture

James Andrew Doeden
Candice Lindsey Feus
Bethany Susan Freeman
Hilary Alison Ritt



**Bachelor of Science in
International Affairs**

High Honor
Todd Orlando Pearson

Honor
Hal Scott Crowe Jr.

Brian O'Hara Brennan
Jerome P. Brumby II
Michael Danforth Geer
Kathryn Neely Keen
Jason Christopher Latella
Jennifer Nicole Ledbetter

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

Laura Talley Bulman

**Bachelor of Science in
Economics**

Michael Leonard Dorsey
Yasmine S. Epps

**College of
Architecture**

Bachelor of Science

Highest Honor
Melissa Murphy

Charles V. Askew
Laura Louise Finder
Rebecca Lynn Karle
Rebekah Martin
Benjamin Michael Schiff
Jennifer Lee Stuart

**Bachelor of Science in
Building Construction**

Honor
Dee Sanford Shew

Adeyinka Adedeji Abisoye
Jennifer Kathleen Quinn
Kevin Michael Shiplett
David Yoo

**Bachelor of Science in
Industrial Design**

Jamie A. Indek
Philip Walter White

**DuPree
College of
Management**

**Bachelor of Science in
Management**

Highest Honor
Kyleen Elizabeth Bell
Joseph Reed Bullock
Mandy Zoellner Thompson

High Honor
Blake Marie Burton
Mark David DeMuth
Sohail Khan
Diana Estelle Macsotai
Alicia Whitford Redman
Audrey Johnson Williams

Honor
Christopher Adam
Brennaman
Barbara Carol Overend
David Hampton Rosier
R. Thomas Shaw

Danielle Aupont
Abby Lynn Bennett
David Edward Bittner
Brian Dean Brannon
Ashley Alice Brodin
Christian Thomas Brown
Timothy L. Brown
Ankur Chatterjee
Matthew Eugene Clear
Michael Trevor DePetro
Melissa S. Dickenson
Mary Cristina Dilorenzo
Diana Israel Dowls
Stephen Ti Du
Kieran Edward Fletcher
Joseph D. Guy
William Robert Hetzler Jr.
Stephen Richard Holmes
Benjamin Jan

Joseph Jan
David Jimenez Jr.
Kristina Ann Joyner
Matthew John Kain
Matthew Edward Kleiner
Sammie Richmond Lamb
Rick Hsin-Ting Lin
Azeem M. Malik
Julie Jones Martin
Thomas Randall Martin
Michael G. Mathis
Matthew Chason McDonald
Eric Wesley McQueen
Jonathan Allen Mellein
William Matthew Miklowski
Brad Steven Morris
Michael Frederick Neuburger
Timothy M. O'Brien
Dwayne Eugene O'Mard
Maja Pachale
Youn Kyung Park
Stacy Lynn Payant
Tamara LeAnn Pool
Brock William Rhymer
Megan Ellis Roberts
Jenifer Chapman Rodgers
Nicholas Quixote Rogers
David Ryan Roth
Amanda B. Rushton
Charles Daniel Rusin
Lawson Henly Shelton
Stephanie Leanne Smith
Kimberly Susanne Speller
Justin Lockridge Steele
Bradley Thomas Stockton
Barry Brandon Tanaka
Jesse Arthaniel Tarplin
Matthew Ray Thompson
John Hightower Tippet
Justin Ernest Towers
Jason Louis Villano
Zachary Adam Walsh
Christopher Lane Whitehead
Tommy Mark Winters
Regis Terrill Young

**Bachelor of Science in
Management
Cooperative Plan**

Highest Honor
Joseph Lockwood Simonds

High Honor
Charles Hammond Curtis



Honor
Johnson Howell Cook
Robert Jordan Marshburn

Joni Lynn Wilson

College of Sciences

Bachelor of Science in Applied Biology

Honor
Joshua Post Mauldin

Bryan Sterling Fleet
Ileana Soto
Meredith Lane Tomblin

Bachelor of Science in Applied Psychology

Ruby Ann Corn
April Sherell Labossiere
Joan Eleanor Rooney
Nseabasi Enobong Ufot

Bachelor of Science in Applied Mathematics

Nimeshkumar Chimanlal
Bhakta
James Michael Burkhart Jr.

Bachelor of Science in Applied Physics

Xavier Denis

Bachelor of Science in Physics

Highest Honor
Gail Alexander Ballard

Nimeshkumar Chimanlal
Bhakta
Marty Eugene Stroud

Bachelor of Science in Physics Cooperative Plan

Highest Honor
Jason Daniel Beebe

Bachelor of Science in Chemistry

Highest Honor
Julia Lee Engle
Andrew Michael Smith

Honor
Joshua Post Mauldin

Man Houn Han
Tina Lynn Holden
Laura Marie Skelly

College of Engineering

Bachelor of Science in Materials Science and Engineering

Honor
Stephan Parker Turano

Bachelor of Science in Materials Science and Engineering Cooperative Plan

Honor
Eric Stephen Stepowany

Bachelor of Science in Computer Engineering

Highest Honor
Adnan Amin Dosani
Jeffrey Lawson Jones
Arpit Singhal
Rhett Stephen White

High Honor
Dhanashri Garud

Honor
David Wayne Flowers
Kate Allyn Kendig
Fahd Hussein Patel
Puneet Singh

DuQuay DeShawn Allen
Kwabena Asare Bosompem
Jeremy Romond Bowden
Ankur Kumar Gupta
Mohemmad Ahoosan Habib
Khanh Gia Hoang
Sean Anthony James
Young-Min Kim
Andre Kevin Pagon
Peter-Anthony Pappas
Jeffrey Frank Schlipf
Clifford Eugene Smith
Deepa Vijayakumar
Lim Ting Yang

Bachelor of Science in Computer Engineering Cooperative Plan

Highest Honor
Robert William Czaplicki
Matthew Brian Fausto
Philip Andrew Strawser

High Honor
Rajeev Kaila
Jeremy Michael Silver

Honor
Catherine Aileen Yarrington

Nickolas Emmanuel A.
Downey
Nathan Charles Greer
Matthew Gerard Noury
Michael John Rafferty Jr.
Daniel J. Schafer
Tae H. Song

Bachelor of Science in Computer Engineering Regional Engineering Program

Andrew Reef Belcher



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

High Honor

John Barney Williams

**Bachelor of Science in
Industrial Engineering**

Highest Honor

Kyle Adam Bergstresser
Stephanie Michelle Bright
Garrett Douglas Cole
Kelli Lynn Cowart
Christopher Robert
Kavanaugh
Robert Joseph Raines
Kristin Elizabeth Saunders
Kevin Joseph Shanahan
Christy Michelle Smith

High Honor

Joseph Douglas Heslep
Morton Judson Savelle IV
Stephen Adrian Silvera

Honor

Maureen Catherine Healy
Ryan Michael Lahm
Brian Michael Nelson
William Kendall Porter III
Johanne Chung-Yan Tsui
Kandyss Lethel Watson
Susan Camille Williams

Joseph O. Bamgbola
Mary Beth Black
Ian Wallace Carr
Brian Thomas Cohn
Jared Andrew Davis
Ernest Joseph de la Fe
Oluwakemi Adenike Edu
Shakenna Tamar Floyd
Laura Elizabeth Helms
Stephanie Anne Henderson
Dermot Philip Kennedy
Aaron Eungook Kim
Richard Bennett Knight III
Janetta Denise Lavender
James Russell Lengel
David Ransom Lutz
Rebecca Autumn Mansfield
Daniel Nils Mattisson
R. Dee Mauldin

David Arthur McClain
Zachary Wayne Mitchell
Shawn Peter Montague
Conrad Nichols III
Matthew Learson O'Brien
Ijeoma Somtochukwu
Okpukpara
Chinenye Obioma Oparah
John Robert Rankin V
Yaser Sagha
Kelly Grace Sen
Grishma Kulin Shah
Leyla Sophie Somer
Clinton Wayne Southern
Justin William Stone
Marc Thomes
Joshua Caleb Tilden
David Eugene Van Deventer
Tarez Malene Walker
Lisa K. Wan
Cheryl Anne Watts
Troy Jason Whelply
David Edward Wright

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

Highest Honor

Kathryn Summer Tveraas

High Honor

Mika Michelle Brogdon
Kevin Ryan Leung
Jack Terry Milam

Honor

Sally Lucia Aamoth
Alicja Karolina Bujalski
Rosanne Elena Gross
Ivy Tess Holcomb
Renuka Kharbanda
Jamie Harriette Perry
Taylor Burke Ramos
Matthew Baldwin Callaway
Roberto Espinosa
Hunter Laine Ferguson
Mark Filip Holland
Vinod V. Kashyap
Laurel Amber Krauth
David Ryan McPherson
Charles Alexander Miltiades
Jana Elizabeth Motz
Frank Charles Pollard

Kevin Reagan Price
Jennifer Kelley Rogers
Brannon Michael Sabbarese
Dezi K. Taylor
Gabriel Gerrod Willis

**Bachelor of Science in
Aerospace Engineering**

Highest Honor

Abhinav Munshi

High Honor

Irian Ordaz
Attapong Terdpravat

Toya Remicia Pereira Barros
James Robert Garrison Jr.
Jose R. Paulino
Janssen Roque Pimentel
Marshall McCall Rogers

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

Eric Lawrence Demirjian
George Chieh-Chih Tuan

**Bachelor of Science in
Chemical Engineering**

Highest Honor

Erica Casey Boughner
Ramon Andres Farach
Zachary Ryan Healy
Pratish Anilkumar Patel

High Honor

William Sloan Denney
Jason Brooks Dooley
Stephanie Rimbert Garner

Honor

Andre Baran V
Matthew John Bluvas
Ian Andrew Lindsay
Brenda Lynn Lord
Prasad Karunakara Shetty

Nilesh Pradip Badheka
Kristi Marie Baker
Terrence Antoine Byrd
Matthew Alan Conklin
Mercedes Alexis Harris



Staci Mechelle Johnson
Eden Elizabeth June
Tuan Anh Nguyen Le
Asha Akili Macon
Marques Cheo Maggitt
Michael C. Mattmann
Brian David McAlhaney
Christine Sue McIntyre
Amy Lynn McPherson
Jared Kahle Nelson
Michael Raymond
Shoemaker
Matthew Carl Stockum
Douglas Scott Tomich
Daniel Asa Willie
Mark C. Yura

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

Highest Honor
Carissa Leigh Young

High Honor
Kelly Murphey Albright
Andrew Douglas Wiesner

Honor
Jonathan Eden Ball
Jennifer Ann Troeschel

Zachary Watts Breedlove
Marshal Beckerman Hazen
Kathryn Grace Politis
Andres Artur Taremae
Eric Jason Yurtkuran

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

High Honor
Patrick Neal Butler

**Bachelor of Science in
Civil Engineering**

Highest Honor
Courtney Merle Flores
Alphonso O'Connor

Honor
Rebecca Anne Mallory

Elizabeth Anne Clarke
Michael B. Doyle
Jason Robert Frost
Joseph Glofak
Thiep Van Huynh
Carl Patrick Leneis
Samantha Ellen Loucks
Matthew Brandon McLeer
Suzanne Marie Scribner
Douglas Lamont Tynes Jr.
H. Andrew Whitfield

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

Highest Honor
Brandy Marie Leighton

Honor
Marc Talbot Simmons

Henry Godard Bailey Jr.
Matthew Ballard Simmons
Julia Jean Warren

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

High Honor
Letitia Huynh Hargroves

Jeremy Slade Mincey
Thomas Gabriel Smith

**Bachelor of Science in
Electrical Engineering**

Highest Honor
Gaurav S. Asthana
Andrew P. Morris
Yu-Ming Wu

High Honor
Kay Henry Hill
James Ki Yick

Honor
Anand V. Dave
Billy Ken Gore
Mary Amba Nsunwara
Pasquale Spinaci

Alexander James Andreae
Kelvin Antonio Bunn
Troy Bernard Calhoun
Nam Duc Chu
J. Bryan Coe
Christopher Albert Craft
Christopher Robinson
Epstein
Mohammed Mahedi Hasan
Bruce Raymond Jue
Ross Oscar Knight III
Ganesh Kumaraswamy
Tiffany Lovett
Kin Kyang Ly
Nicole Monique Meteau
Kristin Denise Morrow
Parisa Movahed
Gary Brannen Obenski
Michael Okrah
Courtney Denise Reed
John Norwood Sellers
Christopher Gordon
Stevens
Cary Mack Suttles
Marvin A. Tingle
Kevin Wayne Walker
Andrew Pullen Wilkin
James Aubrey Williams III
Maurice Levar Williams
Rayfus Lee Wilson

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

Highest Honor
Hieu Trung Le
Catherine Ann Thorn

High Honor
Andrew William Chriss

Honor
Douglas Evan Messick
Luke Starnes

Piotr Marek Banakiewicz
Tyrone Dewitt Hylick
John Lawrence Kaduk
Adrian Harrison Smith
Aparna Trimurty



**Bachelor of Science in
Mechanical Engineering**

Highest Honor

Karen McLissa Deen
Galen Charles Robertson

High Honor

Usman Mahmood
Chaudhry
Craig James Paganucci
Stuart St. Christopher Scully
Brian James Thorstad

Honor

Jonathan Edward Bandzul
Brooke Margaret Bunzmann
Kelly Cristina Dadson
Juan Felipe Melendez

Veronica Marie Addison
Gonzalo Martin Stabile Ashe
Bishakha Bandyopadhyay
Michael John Bannister
Paxton John Billingsley
Jason Paul Bradford
Anish Pradeep Buch
Brandon L. Clark
David Lee Clark
Seke Gnahoua Godo
Faiza Hassan
Benjamin Owen Hopwood
Matthew David Kvanicz
Tiffany Levreault
Vilmos Magda
Ryan Joseph McKibben
Dung H-P Nguyen
Tyson Maxwell Parker
Greg Matthew Popowitz
Eric E. Stallworth
Kelly Denise Stowers
Matthew Alan Terek
Yonas Seifu Tesfa
Jeffrey Palma Villar
Jarrett Philip White
Lawrence Alan White
Robert Andrew White
Allan Jerome Williams Jr.
Lisa Marie Winsett

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

Highest Honor

Colette L. Cowie
Kristin Nguyen Dion
Karen Britt Hoyal
Charles Anderson Keller
Yoshitaka Matsuzawa
Patrick Opdenbosch
Nancy Eleanor Rimedio

High Honor

Bradley Karl Durham
Amelia Claire Leichliter

Honor

Charles Clarence
Hagadorn III
Bini Omana Rajan
Ricardo Amondo Roberts
Scott Henry Siegel
Jared Tulloss Walker

Kristin Wodtke Carpenter
Michael Meyer Corcos
Daniel Dominguez
Benjamin Earle Entrekin
Gregory Edward Jackson
David H.S. Lee
Stephen Mitchell Little
Jerome Phillip Mickle Jr.
Kyle Howe Sanborn
Leonard Jason Weinstein
Ryan Lee West



President 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. in civil engineering from Georgia Tech in 1964 and 1965, respectively. He received his Ph.D. in 1969 from the University of California, Berkeley. Dr. Clough has been a member of the faculty at Duke University, Stanford University, Virginia Tech, and the University of Washington. He was head of the Department of Civil Engineering at Virginia Tech from 1983-1990, then served as dean of Virginia Tech's College of Engineering for three years. In 1993, he became the provost and vice president for Academic Affairs at the University of Washington, a position he held until he returned to his alma mater.

Under his leadership as president, Georgia Tech has served as the Olympic Village for the 1996 Centennial Olympics and completed its second Capital Campaign, which raised more than \$700 million. Research expenditures have increased for five consecutive years from \$212 million to \$270 million, a required computer initiative for all students was implemented, and enrollments increased from 13,000 to more than 15,000. A statewide Georgia Tech regional engineering program has been implemented.

Dr. Clough is the recipient of a number of national awards and honors for teaching and research, including a total of seven from the American Society of Civil Engineers. He is one of a handful of civil engineers to have been twice awarded civil

engineering's oldest recognition, the Norman Medal, the first in 1982 and most recently in 1996. Other recognitions by the American Society of Civil Engineers include the 1991 State of the Art Award and the 1994 Karl Terzaghi Lectureship. He received the George Westinghouse Award from the American Society of Engineering Education in 1986 for outstanding teaching. In 1990, he was elected to the National Academy of Engineering.



Active in national and local professional and volunteer service work, Dr. Clough's current service includes the Executive

Committee of the National Council on Competitiveness, the Malcolm Baldrige National Quality Award Board of Directors, and the Board of Trustees of the Institute of Paper Science and Technology. He is a member of the Rotary Club of Atlanta, the Executive Committee of Central Atlanta Progress, the Board of Directors of the Metro Atlanta Chamber of Commerce, and a trustee of the Georgia Research Alliance. He also serves on the Board of Advisors for the Noro-Moseley Partners, the Southeast's largest venture capital fund. In 1999, *Georgia Trend* magazine named Dr. Clough one of the 100 Most Powerful and Influential People in Georgia.

Dr. Clough's research interests lie in geotechnical engineering, including studies of earthquakes, numerical analysis, soil-structure interaction, in-situ testing, and underground openings. He has consulted with more than 70 firms and government agencies, and has published more than 120 papers and reports, and six book chapters.



Commencement Speaker Jay David Bolter, Ph.D.

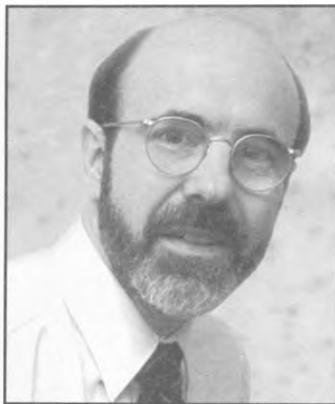
Jay David Bolter is director of the Wesley New Media Center and Wesley Chair of New Media in the School of Literature, Communication, and Culture in Georgia Tech's Ivan Allen College of Liberal Arts. Dr. Bolter's work with computers led in 1984 to the publication of *Turing's Man: Western Culture in the Computer Age*, a book that was widely reviewed and translated into several foreign languages. His second book, *Writing Space: The Computer, Hypertext, and the History of Writing*, published in 1991 (second edition 2001), examines the computer as a new medium for symbolic communication.

Together with Michael Joyce, Dr. Bolter is the author of "Storyspace," a program for creating hypertexts for individual use and World Wide Web publication. In his most recent book, entitled *Remediation* (MIT Press), written in collaboration with Richard Grusin, Dr. Bolter explores the ways in which new digital media, such as the World Wide Web and virtual reality, borrow from and seek to rival such earlier media as

television, film, photography, and print.

In addition to writing about new media, Dr. Bolter is collaborating to construct new digital media forms. Together with Blair MacIntyre, he is building an Augmented Reality system to create "ghost movies," recorded video experiences in which individual figures appear to float like ghosts in the physical world. Among the first applications is a series of virtual recreations of the Sweet Auburn area in downtown Atlanta. The history of this African American cultural and economic center will provide a compelling test of the narrative power of this new media form.

Dr. Bolter holds a bachelor's degree in Greek from Trinity College, University of Toronto, a master's degree in computer science from the University of North Carolina at Chapel Hill, and a Ph.D. in Classics, also from the University of North Carolina at Chapel Hill.



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 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 two centers for interdisciplinary research: The Broadband Telecommunications Center and The Graphics, Visualization, and Usability Center.

Current enrollment includes 1,540 undergraduate students and 352 graduate students.

Prominent alumni of the College include Craig Mundie ('71, '72), senior vice president, Microsoft; Jim Allchin ('83), senior vice president, Microsoft; Jody Dyer ('71), director, Encore; James Folsom ('70, '72), CEO, Placeware; Edith M. Martin ('76, '80), chief financial officer, Eastman Kodak; and Githesh Ramamurthy, ('83), president, CCC Information Services Inc.

Ivan Allen College of Liberal Arts

The Ivan Allen College, created in 1990, represents a unique configuration of academic disciplines, including the humanities and the social sciences, designed to work within the technology emphasis of the Georgia Tech environment. The six schools within the College include Economics; History, Technology, and Society; International Affairs; Literature, Communication, and Culture; Modern Languages; and Public Policy. Current enrollment includes 603 undergraduates and 205 graduate students.

In addition to promoting active research in a wide range of areas, the College also has earned a well-deserved reputation for excellence in teaching. One of the ongoing initiatives that cuts across the College is the increasing application of computers in the classroom. The College has been an innovative leader in information technology.

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 2001, 587 undergraduate and 289 graduate students were enrolled in the various academic programs of the College: architecture, building construction, city and regional planning, doctoral studies, industrial design, and music. Although the College presently offers only a minor in music, in 2000-2001 approximately 950 students per semester from across the campus enrolled in music courses representing all colleges at Georgia Tech.

Some of the College's more prominent alumni include George Heery ('50), former chairman of the board, Heery International Inc., and designer of the Coca-Cola Building; John Portman ('50), John Portman and Associates, designer of Peachtree Center, the Hyatt Regency-Atlanta, the Marriott Marquis, and the Westin Peachtree Plaza; and Thomas W. Ventulett III ('58), senior principal of Thompson, Ventulett, Stainback & Associates, designer of CNN Center, the Georgia Dome, the Georgia World Congress Center, the Concourse, and AT&T Promenade in Atlanta, and the McCormick Place complex in Chicago.

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.



DuPree College of Management

The DuPree College of Management is dedicated to preparing business leaders for changing technological environments. The College was established at Georgia Tech in 1913 and has been accredited by AACSB – International since 1921.

The College has three centers for interdisciplinary research: the DuPree Center for Entrepreneurship, which fosters entrepreneurial activity among Georgia Tech students and faculty and the business community; the Center for International Business Education and Research (CIBER), which serves as a catalyst for integrating and advancing a number of diverse activities relating to international business education and research; and the Center for Enhancement of Business through Technology, which focuses on education and research related to management of technology, e-business, and technology transfer.

Current enrollment in the College includes 1,200 undergraduates and 300 graduate students, including students in the Master of Business Administration, Executive Master of Science in Management of Technology, and Ph.D. in Management programs.

Prominent alumni of the College include: Jack Guynn, president and CEO, Federal Reserve Bank of Atlanta; Charles W. Brady, chairman of Invesco Capital Management; James P. Poole, president of Employer-Employee Security Plans Co.; and Julian LeCraw, president of Julian LeCraw & Company.

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 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.

Current enrollment includes 848 undergraduate students and 539 graduate students.

Some high-profile graduates of the College are Ashworth Stull ('37), inventor of the "White Glue" that became known as Elmer's Glue; Glen P. Robinson Jr., ('48, '50), founder of Scientific-Atlanta and owner of patents on solar energy and antenna systems and energy; Kary B. Mullis ('66), inventor of polymerase chain reactions and Nobel Prize recipient; Gilbert F. Amelio ('65, '67, '68), former chairman and chief executive officer, Apple Computer; and Nancy "Jan" Davis ('75), astronaut.

College of Engineering

The year 1888 marked the opening of the Institute and the establishment of the School of Mechanical Engineering. As of spring 2002, the College of Engineering, now incorporating nine degree-granting schools, had a total enrollment of 8,600.

Outstanding alumni of the College include Robert B. Ormsby ('45), president, Lockheed Corporation-Aeronautical Systems Group; astronauts John Young ('52) and Richard Truly ('59); Ronald Wayne Allen ('64), former chairman and CEO of Delta Air Lines; C.J. "Pete" Silas ('53), former chairman and CEO of Phillips Petroleum Co.; Thomas J. Malone ('63), president and CEO, Milliken and Company; Malcolm T. Stamper ('46), vice chairman of the board, Boeing Company; and former President Jimmy Carter ('46).

The College of Engineering consistently ranks among the top five engineering schools in the country in both the size and quality of its programs, and is nationally recognized for excellence in both undergraduate and graduate education.

Athletics

At Tech, academics and athletics truly do mix, and the Institute is rich in both traditions. Georgia Tech competes on the NCAA Division I level within the nine-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 gold medalists Antonio McKay, Derrick Adkins, and Derek Mills,



track; Mark Price and John Salley, basketball; and thirteen members of the National Football Foundation's College Football Hall of Fame.

Tech athletes have been led by legendary coaches such as R.L. "Bobby" Dodd, 1946-66; John W. Heisman, 1903-19; William Alexander, 1920-45; and John "Whack" Hyder, 1952-73.

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 a nonprofit, client-oriented, applied research organization that is an integral part of the Georgia Institute of Technology. It was chartered by the Georgia General Assembly in 1919 and activated in 1934. GTRI plans and conducts focused programs of innovative research, education, and economic development that advance the global competitiveness of Georgia, the region, and the nation. Working closely with academic colleges and interdisciplinary centers in areas of research, education, and service, GTRI plays a vital role in helping Georgia Tech reach its goals. Specific missions include: conducting scientific, engineering, and industrial research; participating in national programs of science, technology, and preparedness; encouraging the development of Georgia's natural resources; aiding industrial and economic development; and furnishing technical advice and assistance to business and industry.

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 2,000 volumes. Now the Library contains more than 1 million volumes; a complete collection of U.S. patents; and more than 2 million technical reports, government documents, and industrial standards.

The explosion of scientific and technical information and the advent of computing, networking, and multimedia technologies are the foundation of the evolution of the Library from a building of books to a learning and information center. The Library was the first in the nation to provide local online information retrieval capabilities.

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

Academic Degrees

The Bachelor's Degree

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

The Master's Degree

The master's degree represents the successful completion of one or two years of study beyond the baccalaureate degree. This academic honor, which dates back to the establishment of the oldest universities in Europe, usually requires a thesis and an oral examination.

The Doctoral Degree

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



Academic Regalia

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

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

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.



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 Cabell Heyward and Arthur Schoenfeld, who are both formerly from the Center for Rehabilitation Technology in the College of Architecture, in conjunction with Atlanta jeweler Robert Nagle.



*C*ommencement Committee

Alumni Programs

Allison Brubaker

Announcer

William Johnson

Campus Police

Patrick Wypasek and staff

Commencement reception coordinator

Leonard Nagel

Graduate Studies

Glenna Thomas

Institute Communications and Public Affairs

Aimee Anderson and staff

Music Department

Ron Mendola, William Caldwell,
and Christine Marks

Plant Operations

Staging Staff

Registrar's Office

April Boatwright, Ann Laros, Anna
Lindberg, Jo McIver, Julie Peterson,
Judy Reese, Craig Womack, and staff

Sound designer

Jess McCurry

Student Affairs (AdAPTS)

Tameeka Hunter

Student Ambassadors

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.





