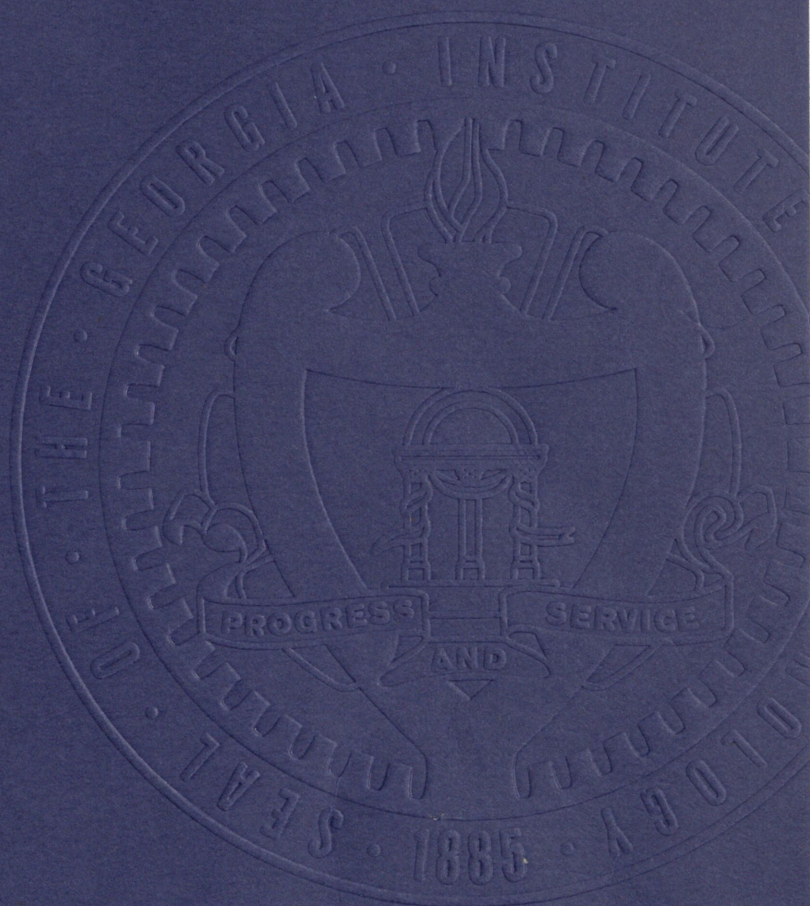


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Georgia Institute
of Technology



Commencement
◀ SUMMER 2001 ▶
Ceremony



elcome to the 210th 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 750 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 3, 2001 • 9:00 a.m.
Alexander Memorial Coliseum

PROCESSIONAL	Georgia Tech Brass Ensemble, coordinated by Mr. Bucky Johnson & Mr. Ron Mendola, Department of Music
MASTER OF CEREMONIES	Dr. Jean-Lou Chameau, provost and vice president for Academic Affairs
REFLECTION	Mr. Carlton O. Parker, director, YMCA
NATIONAL ANTHEM	Georgia Tech Brass Ensemble
COMMENCEMENT ADDRESS	Dr. James D. Meindl, professor Microelectronics Research Center
INTRODUCTION OF ACADEMIC DEANS	Dr. Robert McMath vice provost for Undergraduate Studies
PRESENTATION OF UNDERGRADUATE DEGREE CANDIDATES	College of Computing Associate Dean Jim Foley Ivan Allen College Dean Sue V. Rosser College of Architecture Dean Thomas D. Galloway DuPree College of Management Dean Terry Blum College of Sciences Associate Dean Anderson Smith College of Engineering Interim Dean J. Narl Davidson
CONFERRING OF DEGREES	Dr. Chameau
PRESENTATION OF MASTER'S DEGREE CANDIDATES	Dr. Charles Liotta, vice provost for Research and dean of Graduate Studies
CONFERRING OF DEGREES	Dr. Chameau



PRESENTATION OF DOCTORAL DEGREE CANDIDATES	Dr. Liotta
CONFERRING OF DEGREES	Dr. Chameau
INDUCTION INTO THE ALUMNI ASSOCIATION	Mr. Albert S. Thornton Jr., Class of 1968 president, Georgia Tech Alumni Association
ALMA MATER	Georgia Tech Brass Ensemble
FACULTY RECESSIONAL	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 70 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.



Bachelor's Degree Recipients

College of Computing

Bachelor of Science in Computer Science

Highest Honor
 Brian Richard Cochran
 James Evan Roberts
 Sheetal Shah
 Vandana Voruganti

High Honor
 Jeffrey Scott Colson
 Elena Komsky
 Norberto Raphael Lopez
 Russell Parry
 Daniel Phommathep

Honor
 Jeffrey Charles Coyle
 Anwar Mahmood
 Nicholas Paul Michalko
 Rohan Manu Patel
 Eric William Stevens

Allen Kwame Anderson
 William Eric Bender
 Jeffrey Parker Bollinger
 Barry L. Coleman
 Ijeoma Mabel Eze
 John David Forinash
 Cole Getzler
 Kathleen Arnold Gray
 Jack Jeremy Harris
 Makiko Sera Hassler
 Jeffrey Robert Hicks
 Eric Joseph Hudson
 Perpetual Claudia Iriele
 Timotheus Youki Itoi
 Veena Kolanu
 Joseph D. Lafiosca Jr.
 Adon Spencer Mallory
 Carol McBride
 Benjamin Arthur Medlin Jr.
 Eric Mungai
 Thien An Trong Nguyen
 John Joseph Orefice

Cindy Denise Puett
 Manish Rana
 Kyle Stuart Randolph
 Thomas Ralph Unger
 Albert Laslo Noel
 Wolchesky II
 Menghui Yan

Bachelor of Science in Computer Science Cooperative Plan

Highest Honor
 Christopher Phillips
 Campbell
 Michael Robert DeBinder
 Michael John Watson

High Honor
 Brendan Michael Mullins

Honor
 Paul J. Waters

India Brook Barrett
 Adam Lee Blick
 Sean Michael Butler
 Andrew Michael Charles
 Todd M. Elsbernd
 Daniel Martin Grimaldi
 Thomas Karol Nagashima

Bachelor of Science in Science, Technology, and Culture

High Honor
 Mary Grace Bradley

Honor
 Jonathan Alexander Davis
 Katherine Irene O'Connor

Todd Mather Gandee
 Joy Janette Glover
 Swathi Nath
 Elizabeth Nola Waldrop

Bachelor of Science in International Affairs

High Honor
 Sergio Lanier Aguirre

Adon Spencer Mallory
 Erhan Yilmaz

Bachelor of Science in Economics

Highest Honor
 Kevin Paul Stogner

Honor
 Benjamin Charles Eiford

Ivan Allen College

Bachelor of Science in History, Technology, and Society

High Honor
 Jessica Chotard Potter

Jacob Robert Stenzel
 Candace ShaNiece Swint



College of Architecture

Bachelor of Science

Highest Honor
Brian Adam Mills

High Honor
Katy Daugharty

Honor
Meredith Lynn Bostwick
Elizabeth C. Denman
Mathew Paul Weaver

Angela Charlene Askew
Benjamin Vonny Blanton
Matthew David Fitzpatrick
Edna Frances Benavides
Valdespino

Bachelor of Science in Building Construction

Joseph Douglas Guy
Scott Patrick Martin
Coleman Washington
Watson

Bachelor of Science in Industrial Design

Highest Honor
Austina Nga Nguyen

High Honor
Brandon Cannon Bier

Honor
Clint E. Smith

William Garrison Brooks

DuPree College of Management

Bachelor of Science in Management

Highest Honor
Colleen Mary Donohue
Allison Anita Rowell
Stephen Leon Tiedemann

High Honor
James Oliver Burgess
Adam C. Caskey
Katherine Marie Dubberly
Allison Colean Leonard
Kelly S. Tallman

Honor
Lindsay Elise Boren
Travis Robert Gill
R. Brent Johnson

Courtney Ryan Adler
Saadiah Shaheen Ahmed
Eon Shontay Anglin
Gregory Jason Ausborn
Sangita Bharat
Jennifer Marie Biggers
Brian A. Calabrese
Kenneth Vashone Carroll
Elaine Sara Causey
Casey Russell Champagne
Chae Hak Chung
Kimberly Heather Davis
Paul Alfred Dickens
Kelley J. Evans
Jennifer O'Niel Fanning
Stephanie Ann Freeman
Chess David Gay
Daehyuk Han
Joseph Barry Harris
April Kay Harrison
Jeffrey Ryan Herring
Kent Blackburn Hoots
R. Craig Hoover III
Kristina Ann Kalasa
Jaime Lynn Kruppa
Vivek Kaysa Kumar
Tai-Yang A. Kuo
W. Michael Maloof
Christopher John Marsden
Ryan Stewart Martin

Jana Beatrice McLemore
Rebecca Lynn Megesi
Matthew Lawrence Miller
Merran Emily Miller
Meredith Anne Mitchell
Janet Nancy Morris
William Gaffney Nelson Jr.
Chad Stanley Patterson
David Perrins
Roderrick Darryl Roberts
Lacey Michelle Schanz
Christine Lynn Shelby
Kelly Suzanne Shipp
Larissa Sirota
Matthew Eugene Stryker
Jesse A. Tarplin
Dustin Fitzpatrick Thorn
Parker Clark Tilley
Dana Kathleen Voigt
Russell Douglas White
Karen D. Whitlatch
Edwin John Wilder
Andrew Scott Wonder

Bachelor of Science in Management Cooperative Plan

Highest Honor
Erin Renee Baumgarten

Honor
Victor James Borowsky

Stephen Matthew Quigley

College of Sciences

Bachelor of Science in Earth and Atmospheric Sciences

Richard Bryan Henry

Bachelor of Science in Applied Biology

Highest Honor
Walter Pepper Ashford Jr.
Pauline Mary Shiver



High Honor
Dorothy Yanai Pang

Steve Teh Chiang
Alex Coletti
Asim Kidwai
Kimberly Michelle Turner
Lori Lynn Vollmer

***Bachelor of Science
in Applied Mathematics***

Highest Honor
Alison Lynn Hays

R. Adam Moore

***Bachelor of Science
in Physics***

Highest Honor
William B. Roper

Justin H. Little

***Bachelor of Science
in Chemistry***

Highest Honor
Jennifer Leigh Ayers

High Honor
Alan Edward Oester Jr.

Carl Joseph Shenk

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

Karin Margit Hiers

College of Engineering

Bachelor of Science

Stephen Mark O'Hearn

***Bachelor of Science
in Computer Engineering***

Highest Honor
Hersh Satyanarayan
Dangayach
Shyam Lal Gokaldas

High Honor
Gabriel Chu

Honor
Brannon Charles McKay
Neel Chandrakant Mehta
Christopher Ashley Morgan
Nishant Mahendra Nagda

Naushad Ali
Gary J. Brady Jr.
Thanh Bac Do
Benjamin David Hoomes
Charles Brandon Jones III
Saud Azam Khader
Antonio C. Rodriguez
Ken Michael Saltzman
Satish Sambandham
Alexander B. Solodkin
Sarah Anne Stewart
Joe Xuan Zhang

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

Highest Honor
Ryan Patrick Swanson

Honor
Kirk Wayne Bauer Jr.

Kenneth Norman Ahrens
Daniel Brandon Dolan
David Scott Glass
Bryan Allen Knight
Jarrett Michael Thacker

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

Honor
Jason John David Noble

David Michael Stopp

***Bachelor of Science
in Industrial Engineering***

Highest Honor
Lisa Jennifer Beyer
Murray Keedick Coulter III
Eileen Beth Hitcho
Christina Felicia Honea
Caitlyn Anna King
Valerie Elizabeth Ramsey
Sabrina Starr Spradley
R. Kenneth Tittle
Philippe David Vincens
Nehali Vira

High Honor
Misty Gail Coker
Marshall Wayne Leslie
Jefferson Howard Perkins
Sara Joy Scott

Honor
Wailing Angela Chong
Ashley Marie Dukes
Enrique Isaac Lavintman
Ender
Sarah Jane Grunewald
Jeanie Leigh Harper
Teresa Marie Hungeling
Jeanna Marie Slusser
Karen Elizabeth Souther
Minh Hai Truong
Hing Yiu Wong

Sarah Rahimzadeh Abdi
Steven Randall Aft
Mary Grace Navarro
Albuna
Robert Cord Asendorf Jr.
Sarah Elizabeth
Beckenhauer
Gregory Alan Brune
Joshua James Bunnelle
John Benjamin Butler
Cherry S. Chang
Christopher Joseph Cooper



Mariama Ward Covington
 David James Creamer
 Joshua James Crews
 Tyson Everette Duncan
 Thomas Hubert Evans III
 Donna Tala Fard
 Eric Rentz Frederickson
 Robert Lee Gaither II
 Stephen Michael Gaw
 Preeth Kishore Gowdar
 Rebecca Lee Hanlon
 Joseph Noel Harris
 Erin Marie Hawley
 Benjamin H. Howard
 Andrew Charles Hudgins
 Jared Daniel Kee
 Andrea Kendall
 Amit Nilam Keswani
 Andrew W. Koch
 Guenter F. Kryszon
 Joanna Suzanne Lowder
 Tarkiesha Nicole Martin
 Frank Wesley McIntosh IV
 Robert Bruce Mitchell
 Joydeep Mukherjee
 Kristy Freeman Norvell
 Michael Pastuzyn
 Daphne Theresa Paul
 Jayanth Prabhu Raju
 Allison Lee Ray
 Michael Madison Roberts
 Steven David Root
 Stephen P. Selfridge
 Amir Hossein Shahheidari
 Stefani Lanise Smith
 Mark Moree Stalvey
 Thomas Emmett Street
 Martin Lewis Treece
 Lok Yan Wan
 Marcia Yolande Wyche
 Adam James Zawacki

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

Highest Honor
 Laura Marie Lee
 Peter J. Severa

High Honor
 Stacy Rose Butler
 Laura Susan Cherny
 Heather Sarah Hassler
 Tracey Marie Schuler

Honor
 Tricia Lynn Bonner
 Christopher John Swenson

Sarah Ann Alexander
 William Michael Bateman
 Star Malissa Bradley
 Laura Deanne Carey
 Timothy C. Guzewicz
 Jeremy David Johnson
 Matthew Scott Mason
 Nicole Delia McAdams
 Jeremy Lee McMickle
 Magd Magdy Riad
 Amanda Gretchen Ross
 Valerie Marie Wampler
 Adrianna Lynn Wilson
 Charles Robert Wilson

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

Michael Jason Billman
 Charles Alan Wilkes

***Bachelor of Science
 in Chemical Engineering***

Highest Honor
 Melissa Margaret Bonk
 John Wylder DuBose
 Jeffrey Scott Meyers
 Jim Pfaendtner
 John-Paul Callahan
 Rutledge

High Honor
 Kevin Cumberland
 Salima Sadrudin Hooda

Honor
 Zamin Hizat Ahmad-
 Zawawi
 Cecilia Catharina Bergh
 Matthew Madison Black
 Paul Lee Garrett
 Charles Alan Gersbach
 Mariane P. Maximous
 Syed Mahmood Alam
 Najmuddin

Omar Zeki Al-Saigh
 Fadi Saber Ayoub
 Hoa Bao

Angie Melissa Belk
 Susan Deanne Benton
 Katie Leigh Burell
 Terrence Antoine Byrd
 Brian Peter Dusch
 Dane Michael Galbraith
 Richard Wesley
 Gripshover II
 Brandi Nicole Johnson
 Shahana Bano Khundmiri
 Jeremy Mark Knowles
 Chavonda Janeebra Mills
 Deepak Nahar
 Lan-Phuong Thi Nguyen
 Jonathan Wade Phillips
 Winardi Purnama
 Claude-Raymond Rene
 Joshua Wade Simmons
 Nathan Thomas Smith
 Karen Elaine Thomas
 Dawn Phan Trembley
 Brian Walter Vitrano
 Andrea Nicole Wetherholt
 Kevin George Wilson

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

Highest Honor
 Erin A. Clark

High Honor
 Andrew Walter Brackett

Honor
 Quy Le Nguyen

Alvarif Suragie Harjati
 Elizabeth Nicklin Hoover
 Jeffrey Charles Pettit
 Lynn Robert Richter Jr.
 Mackie Sinkler III
 Callie Jane Whitfield

***Bachelor of Science
 in Textile Enterprise
 Management***

John Matthew Childs



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

Highest Honor
Kristen Leigh Kumin

Francheska Nicole Howard
Terry Weyman Verner Jr.

**Bachelor of Science
in Civil Engineering**

Highest Honor
Andrew Scott Maham

High Honor
Christa Anne Besing
Geoffrey Ian Schwartz

Honor
Suzette Michelle Gast
Naphtalie Charmelda
Hatcher
Kimberly Ann Wilburn

Abigail Dianne Ayres
Reginald Crayton
Ryan Edward Curry
Carl Douglas Day Jr.
Meredith Barrett Hall
Alvin Bernard James Jr.
Yola A. Lewis
Sachin Dev Shailendra
Gilbert Brown Shearouse
Andrew Thomas Smith
John Adams Theibert Jr.

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

Highest Honor
Michael Cameron Dodd
Monica C. Foronda

High Honor
Matthew S. Bandy
Damian K. Taylor

Honor
Lucas Roy Cobb

Laura Gail Adams
Brian Leslie Davis

Kenneth Paul Martin
David Anthony Wofford

**Bachelor of Science
in Electrical Engineering**

Highest Honor
Mayuresh Pramod Gogate

High Honor
William Carlos Britt
Jonathan H. Cobb

Honor
Matthew Charles Kozak
Nishal H. Patel

Syed Bilaal Ahmed
Cecil Alvaron Bowe
Garfield Dacosta Bundy
Carl-Frederic Clermont
H. Chris Cook
Elvira Maria Corona
David Wilson Graham
Jonathan Clay Griffith
Stephen Isaiah
Halbgewachs
Hussein M. Hassan
Richard Alan Herndon
Justin Lee Holland
Elizabeth G. Honore
PoJen Lin
David T. Lu
Jason Robert Martin
Mathew Michael McGrath
Loc Huu Phan
YLien T. Phung
Ali Raza
Charles M. Reinke
Ramsey George Saab Jr.
Dave Houssine Squalli
Ajay Dinkerrai Upadhyaya
Richard Stephen Walls
James Edward Wood

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

Highest Honor
Timothy Michael Andrews
Richard Todd Lee
Lawrence Edward
McDonald

High Honor
Steven Daniel Hurst
Aaron William Jackson

Honor
Anne Katherine Jones

Justin Andrew Brown
Mathew Joseph Hathaway
Kevin R. Littrell
Justin Albert Lyons
Alvin Lamar Mercer
Kevin Neal Willis

**Bachelor of Science
in Mechanical Engineering**

Highest Honor
Ulf Christian Andresen
Austin Hua-Ren Chen
James Austin Harper
Kristie A. Mahone
Jeffrey Wayne Miller
Melinda Christine
O'Donnell
Scott Richmond Shipley
Douglas Adam Whitcher

Honor
Brent S. Davis

Vahidin Alajbegovic
Heidi Rose Alexa
Patrick R. Anderson
Ajamu Jahi Baker
Jeffrey Raymond Bowin
Cyla Cay Clark
Bradford Lee David
Vinosh Christopher Diptee
David Lee Garrett III
Audrey Dean Harper
David William Harper
Keoka Rochelle Harris
Walter Edward Hicks Jr.
Taylor Shotoku Hirose
Jennifer Anne Hoover
Michael Phillip Isenhour
Jason Min Uck Jeong
Edward N. Kelly
James Alan Kowalski
Charles David Lewis
Joshua Robert McElroy
J. Wesley McGee
Aaron Paul Melda
Christine Marie Pavia

Michael Anthony Rayneri
Chris Aaron Richburg
Michael Dragan Stefanovic
Brandon Christopher Taylor
Matthew Bryce Walker
Andrew Joseph Watt
Charles Ryan White
Michael Forrest Wilson

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

Highest Honor

Carrie Ann Boles
Luis Emanuel Burgos
John Rogers Huey

High Honor

Ralph Caswell Haddock III
Peter Setterlund March
Erika Lynn Normand

Honor

Adam Michael Dieterich
Howard Jerome Draisen
John Presley Finch Jr.
Damien Gaudry
George B. Graus
Young Kyu Han

Christopher Lee Boyer
Robert Anthony Brown
Kristi Bowles Griffin
Michael John Griffin
Garry Mitchell Jenkins
David Andrew Marder
Anthony Edward Martin
Harlan David McCullough
Christopher Robin

McKinley

Michelle Sue Pitsko
Daniel Andrew Summers
Jeremy Wesley Triplett



Master's Degree Recipients

Master of Science

Khawar Azad
*Electrical and Computer
Engineering*

Theocharis K. Boukas
*Electrical and Computer
Engineering*

Achim Briese
Aerospace Engineering

Mary Katherine Cloud
Economics

David Barnet Copeland
Mechanical Engineering

Charles Thomas Dickson
Environmental Engineering

Robert Scott Evans
Mechanical Engineering

Jascha Freess
*Electrical and Computer
Engineering*

Theresa Teh-Lan Fu
Environmental Engineering

Anshul Garg
Textile and Fiber Engineering

William Michael Gray
Industrial Engineering

Guillermo Edgardo Guichal
*Electrical and Computer
Engineering*

Alan Jerome Harp
Architecture

Craig David Hesterlee
Civil Engineering

Sang-Soo Je
*Electrical and Computer
Engineering*

Tianci Jiang
Aerospace Engineering

Dongsu Kim
*Electrical and Computer
Engineering*

Jin-Hong Kim
Aerospace Engineering

Kangwook Kim
*Electrical and Computer
Engineering*

Hyunchul Ku
*Electrical and Computer
Engineering*

James Alan Ledin
*Electrical and Computer
Engineering*

Steven Sooyong Lee
Aerospace Engineering

Shengyuan Li
*Electrical and Computer
Engineering*

David Loury
Aerospace Engineering

Yilin Ma
*Earth and Atmospheric
Sciences*

Francis Angelo Mazzocchi
*Electrical and Computer
Engineering*

Sherry McCumber-Kahn
Environmental Engineering

Toni Rae Millikan
Textile and Fiber Engineering

Sung-Hwan Min
*Electrical and Computer
Engineering*

Marc Christian Necker
*Electrical and Computer
Engineering*

Daiheng Ni
Civil Engineering

Eun-Jeong Park
Environmental Engineering

Jun-Hyung Park
Civil Engineering

Alexander B. Quinn
Industrial Engineering

Purva Ramesh Rajkotia
*Electrical and Computer
Engineering*

Gwendolyn A. Robinson
Economics

Erika Lidia Siegenthaler
Aerospace Engineering

Raye Abdoulie Sosseh
*Electrical and Computer
Engineering*

Arati Srinivasan
Textile and Fiber Engineering

Shuangzhang Tu
*Electrical and Computer
Engineering*

Shuying Yang
Textile and Fiber Engineering

Wongon Yu
Civil Engineering



Yong Jun Zhang
Civil Engineering

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

Anirudh Moudgal

**Master of Science
in Bioengineering**

Natalia Landazuri

**Master of Science
in Polymers**

Robert Louis Pehrul

**Master of Science
in Statistics**

Jihong Chen

**Master of Science
in Computer Science**

James Lionel Furdell
Saundra Nicole Carter
Glover

Mikael Per Horal
Zachary Alan Kurmas
Vivek Kwatra
Wei Li

Andrew Evgenievich
Liashenko

Ying Liu
Durga Devi Mannaru
Alla Safonova
Ivan Tacic
Rohit Prasad Varma
Mingzhan Wu
Gang Xiong
Guoquan Zhou

**Master of Science
in International Affairs**

Kristina Marie Field
Walker Warren McKnight
Christopher Mark
Mohrman
Aselia N. Urmanbetova

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

Jennifer Beth Jacoby

**Master of Science
in History of Technology**

Elizabeth Haven Hawley
Olivia A. Scriven

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

Clinton Freeman Stancil

Master of Architecture

Amy Marie Blankenstein
Jennifer Laura Jackson
Marco W. Lau
Sunggu Lee
Xun Liu
Florent Nedelec
Blandine Seguin

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

Prasoon Kumar Gupta
Nyasha Monique Morris

**Master of Science
in Psychology**

Carl Timothy Blunt
Rachel Keyes
Lisa Joy Lewen
Anne Elizabeth Nicholls
Timothy A. Nichols
Chong Hyon Pak

**Master of Science
in Applied Biology**

Keri Elizabeth Beeson
Natalie Martine Kueneman

**Master of Science
in Bioinformatics**

Ying Liu
Natalie Rysina

**Master of Science
in Applied Mathematics**

Renato da Rocha Lopes
Duane Richard Mikulencak

**Master of Science
in Physics**

Thomas Handorf
Ciriaco Michael Villarreal
John Fredrick Wambaugh

**Master of Science
in Chemistry**

Veronica De Silva
Sylvester Lee Mosley
Jeremy Roymer Thompson
Anurag S. Tulsyan

**Master of Science
in Health Physics**

Neale Jeffrey Griffis
Bryon Michael Murray
Jodi Lopez Sulak
Jay M. Yoder

**Master of Science
in Health Systems**

Elizabeth Ellen Crowell
Hilary Lauren Goodno
Amanda Marie Michalik
Arpita Mukherjee

**Master of Science
in Operations Research**

Lior Iaroslavitz
Chien-Tai Yang
Martin Santos Young
Karl Gregor Zoetl

**Master of Science
in Industrial Engineering**

Alexander Michael Baar
Theresa Anne Benincasa
Bruno M. Byer
Ashish Govinddas Damani
Sashidhar Dandamudi
Derek Lance Gibson



M'kdu Nathalie Yasmeen
 Gogue
 Bart Jan Gubbels
 Siti Yasmina Z. Harmidy
 Samuel Nasada Himawan
 Cecilia Jiyoon Jung
 Seunghyun Kong
 Erwin Kurniawan
 Jonathan Hall Maguire
 Dirk Margane
 Melda Ormeci
 Sathyan Parthasarathy
 John Rife Petty Jr.
 Ameet Anil Ravetkar
 Toniann Rotante
 Stefan Bernhard Johannes
 Schmidt
 Michael Louis Spievack
 Stuart George Staggs
 Hsin-Lun Tsai
 Talaya Nicole Wilson
 Jesus Baltazar Zamudio

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

Alexandre Gerard Decoene
 Jong-Hyuk Lee
 Gauthier Henri Meyer
 Sebastien Laurent Mitrani
 Sebastien David Rostan
 Kazuo Sone
 Kazuya Tajiri
 Chanin Tongchitpakdee
 Eray Uzgoren
 Jorg Zieffle

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

Arunkumar Balasundaram
 Louis Ferranti Jr.
 Jack Maurice Griffin
 Alethea Morris Hayes
 Timmy James Long
 Sunit S. Mukherjee
 Raymond H. Oh
 Jennifer Lynne Sherrill
 Matthew Patrick Sillick
 Astra D. Zeno
 Zhuqing Zhang

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

Ankur Agrawal
 Anil Dhansukh Amlani
 Anil Kumar Chinthakindi
 Sylvia Bandy Little
 Edward Robert Murphy

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

Mojgan Bakhshae

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

Hyunyoung Ok
 Andrew Jordan Robinson
 Shen-Hou Ike Teng

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

Jonathan Charles Bundy
 Teresa Marie DiGenova
 WonYong Jang
 Jong-Yeop Kim
 Sabine Marie Leveau
 Robert E. Sauer Jr.
 Kevin Lee Sessions

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

Angela Townsend Booth
 Lisa Marie Ropke Chanin
 Franklin Renan Espino
 Geoffrey Paul Hutcherson
 Judith Angela Johnson
 Brian Jennings Keel
 Heru Kunadi
 William Maurille Linzau
 J. Dennis Martinez
 Marcelo Gurgel Simas
 de Oliveira
 Chan-Hee Park
 Alejandro Romero
 Ruangthaveekoon
 Karthik Subramanian
 Matthew Lawrence Wagner

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

Mark Graham Adams Jr.
 Anne Marie Agenès
 Peter W. Baik
 Kameron Amir Behnam
 Yannick Jean-Luc Blanpain
 Jonathan Clifford
 Buffington
 Charles Kelly Butterfield
 Olivier C. Camau-Francois
 Francois Carlot
 Grace J. Chia
 James Grant Cochran
 Lauren Jeanne Daniel
 Thomas Corbet Daniel
 Wesley Albert Gee
 Sophie Charlotte Elvine
 Griffe
 Sarah Kayeong Han
 William Cory Hawkins
 Frederick B. Hidle
 Loic Francois Hoarau
 Florent Maxime Hubert-
 Brierre
 Peter Hetherington
 Lawrence
 Ying Jie Lu
 Christina Alexandra
 Lukasik
 Dariush Molavi
 David Michael Murphy
 David P. Nguyen
 Paul William Nichols II
 Adesunloye O. Obatoyinbo
 Terrence L. Ogle
 Charles Edward Polk Jr.
 Eugene Allen Rye
 Richard Michael Schantini
 Jeffrey Eugene Scheb
 Peter Wallace Schimpf
 Weilian Su
 William Reed
 Tomamichel II
 Bryan Christopher Treusch
 James Tuan
 Antony Vielmon
 Lawrence Nelson Ward

**Master of Science in
Mechanical Engineering**

Mudasir Ahmad
Laurent Nicolas Alteirac
Mehdi Batel
Robert Walton Bush Jr.
Rebecca Anne Charpentier
Hae-Jin Choi
David Nicolas Common
Joseph Carlisle-Eric
Crawford III
Ian Scott Currier
Aaron C. Derer
John William Doane
Adam Randolph Dowd
Scott Joseph Duncan
Karen Elizabeth Ellzey
William Mark Fowler
Stace Wayne Garrett
Russell James Golden
Mikhel Eyota Hawkins
Joseph Huang
Sundiata Kwesi Jangha
Mohamed F. Kamel
Kristopher Charles Kozak
Toby Robert Lentz
Brian D. Leutz
Sean Patrick McCarron
Michael Laine Mears

Mohamed Mehdi
Douglas Dwight Miller
Roberta Michelle Murnyack
Xiaoting Niu
William Sumner Oates
Diego Fernando Osorio
Stephen Boyd Pate
Giang Truong Pham
Shannon Elizabeth Powell
James William Pyland
Vincent Rodet
Charles Michael Rosen
Matthew Aaron Rubin
Shiva Prasad Sambu
Herman Sasmita
Srinath Satyanarayana
Kevin George Schoonover
Carolyn Conner Seepersad
Anthony James Trentini
Raymond Andrew
Vincent Jr.
Shannon Marlece Vittur
Michael Alan Watt
Russell Edward Watts
Paul Brian Wickersham
Brian James Wilgenbusch
Bob Winata



Doctoral Degree Candidates

Doctor of Philosophy

Algorithms, Combinatorics, and Optimization

Samuel Andrew Burer

Thesis: "New Algorithmic Approaches
to Semidefinite Programming with
Applications to Combinatorial
Optimization"

Advisor: Dr. R. Monteiro

Doctor of Philosophy

Computer Science

Ronald R. Hutchins

Thesis: "Internet User Access via Dial-up
and Campus Wireless Networks – Traffic
Characteristics and Statistics"

Advisor: Dr. P. Enslow

Vijaykumar Krishnaswamy

Thesis: "Shared State Management for
Time-Sensitive Distributed Applications"

Advisor: Dr. M. Ahamad

Jennifer Carolyn Mankoff

Thesis: "An Architecture and Interaction
Techniques for Handling Ambiguity in
Recognition-Based Input"

Advisor: Dr. G. Abowd

James William Murdock IV

Thesis: "Self-Improvement through Self-
Understanding Model-Based Reflection
for Agent Adaptation"

Advisor: Dr. A. Goel

George F. Riley

Thesis: "Techniques for Large-Scale
Distributed Simulations of Computer
Networks"

Advisor: Dr. M. Ammar

Doctor of Philosophy

Management

Wei Huang

Thesis: "Two Essays on International
Asset Pricing"

Advisor: Dr. C. Eun

Sung S. Kim

Thesis: "Toward a Theory of User Value
of Information Systems: Incorporating
Motivation and Habit into a Conceptual
Framework"

Advisor: Dr. N. Malhotra

Stuart Hardie Milne

Thesis: "Employer Adoption of an HMO
Option for Employees: An Integrated
Institutional and Resource Dependence
Perspective"

Advisor: Dr. T. Blum

Jai-Yeol Son

Thesis: "Explaining EDI-Based Electronic
Cooperation in Customer-Supplier Inter-
firm Relationships: An Empirical Study"

Advisor: Dr. S. Narasimhan

James Michael Wilkerson

Thesis: "An Attribution-Centered Model
of Observers' Reactions to Workplace
Aggression"

Advisor: Dr. D. Fedor

Doctor of Philosophy

Earth and Atmospheric Sciences

Edgar Garcia Estupinan

Thesis: "Laboratory Studies of
Potentially Important Atmospheric
Processes Involving Oxides of Nitrogen"

Advisor: Dr. P. Wine

Jinlong Li

Thesis: "The Seasonal Variations of
Ozone in the Stratosphere and Their
Hemispheric Asymmetries"

Advisor: Dr. D. Cunnold

Rafal Sylwester Strekowski

Thesis: "Laser Flash Photolysis Studies
of O(1D2) and OH(X2) Reactions of
Atmospheric Interest"

Advisor: Dr. P. Wine



Doctor of Philosophy
Applied Mathematics

Tsvetan Ivanov Stoyanov
Thesis: "Isoperimetric and Related
Constants for Graphs and Markov
Chains"
Advisor: Dr. C. Houdre

Doctor of Philosophy
Psychology

Holly Elizabeth Hancock
Thesis: "Aging and Inferencing Ability:
An Examination of Factors Underlying
Text Comprehension"
Advisor: Dr. A. Fisk

Heather Rosen Pierce
Thesis: "Employee Development as an
Exchange Process: Perceived Organiza-
tional Support, Leader-Member
Exchange, and Perception of Benefit"
Advisor: Dr. T. Maurer

Rebecca Renee Stein
Thesis: "Negative Age Stereotypes and
Older Adults' Memory Performance:
An Examination of Age Stereotype
Activation and Underlying Mechanisms"
Advisor: Dr. F. Blanchard-Fields

Doctor of Philosophy
Physics

Patrick Alexander Manigault
Thesis: "Second Order Luminescent
Saturation Effects in Phosphors"
Advisor: Dr. C. Summers

Jonathan Peter Mason
Thesis: "Noninvasive Control of
Stochastic Resonance and an Analysis of
Multistable Oscillators"
Advisor: Dr. W. Ditto

Jeffrey Lee Rogers
Thesis: "Modulated Pattern Formation:
Stabilization, Complex-Order, and
Symmetry"
Advisor: Dr. M. Schatz

Doctor of Philosophy
Chemistry

Marcus Anthony Belcher
Thesis: "Decomposition Mechanisms
Related to Hanford Waste: Characteri-
zation of NO- from Organic Nitroxyl
Derivatives"
Advisor: Dr. C. Liotta

Victor Raul De Jesus
Thesis: "The Role of Fungal Metabolic
Byproducts in Indoor Air Chemistry:
Analytical Considerations for
the Evaluation of Poor
Indoor Environments"
Advisor: Dr. R. Browner

Kris N. Griffith
Thesis: "Environmentally Benign
Chemical Processing in Near- and
Supercritical Fluids and Gas Expanded
Solvents"
Advisor: Dr. C. Liotta

Doctor of Philosophy
Materials Science and Engineering

Fanglin Chen
Thesis: "Synthesis and Characterization
of Nanostructured Materials for Electro-
chemical and Catalytic Applications"
Advisor: Dr. M. Liu

Doctor of Philosophy
Textile Engineering

Prameela Susarla
Thesis: "A Generalized Model for
Crystallization in Random Copolymers"
Advisor: Dr. A.S. Abhiraman

Doctor of Philosophy
Engineering Science and Mechanics

Jin Yong Park
Thesis: "Pultruded Composite Materials
Under Shear Loading"
Advisor: Dr. A. Zureick



Doctor of Philosophy
Industrial Engineering

Wei Hua

Thesis: "Cluster-Based Storage Policies in Kitting Area"

Advisor: Dr. C. Zhou

Eva Regnier

Thesis: "Discounted Cash Flow Methods and Environmental Decisions"

Advisor: Dr. C. Tovey

Doctor of Philosophy
Aerospace Engineering

John Edward Bradford

Thesis: "A Technique for Rapid Prediction of Aftbody Nozzle Performance for Hypersonic Launch Vehicle Design"

Advisor: Dr. J. Olds

Nathan Robert Hines

Thesis: "A Probabilistic Methodology for Radar Cross Section Prediction in Conceptual Aircraft Design"

Advisor: Dr. D. Mavris

Rajesh S. Kumar

Thesis: "Effects of Damage and Viscoelasticity on the Constructive Behavior of Fiber-Reinforced Composites"

Advisor: Dr. R. Talreja

Valeria La Saponara

Thesis: "Crack Branching in Cross-Ply Composites"

Advisor: Dr. G. Kardomateas

Wahyu Lestari

Thesis: "Damage on Composite Structures: Detection Technique, Dynamics Response, and Residual Strength"

Advisor: Dr. S. Hanagud

David Jeremy McCormick

Thesis: "Distributed Uncertainty Analysis Techniques for Conceptual Launch Vehicle Design"

Advisor: Dr. J. Olds

Oscar Roberto Salinas Mejia

Thesis: "An Investigation of a Carbon Dioxide-Based Fuel Cell System as a Power Generation Alternative for Mars Exploration Applications"

Advisor: Dr. D. Schrage

David Wesley Way

Thesis: "Uncertainty Optimization Applied to the Monte Carlo Analysis of Planetary Entry Trajectories"

Advisor: Dr. J. Olds

Guanpeng Xu

Thesis: "Computational Study of Horizontal Axis Wind Turbines"

Advisor: Dr. N.L. Sankar

Paul Scott Zink

Thesis: "A Methodology for Robust Structural Design with Application to Active Aeroelastic Wings"

Advisor: Dr. D. Mavris

Doctor of Philosophy
Chemical Engineering

Punit Paresh Chiniwalla

Thesis: "Crosslinking of Polynorbornene-Based Dielectrics for Application in Microelectronics"

Advisor: Dr. P. Kohl

Evan Kent Dawson

Thesis: "The Effect of Rapid Tooling on Final Product Properties"

Advisor: Dr. J. Muzzy

Kyra Darnella Dorsey

Thesis: "Deformation and Evolution of Morphology in Meltblown Filaments"

Advisor: Dr. A.S. Abhiraman

Sunil Saini

Thesis: "Bioreactor for the Production of Tissue-Engineered Cartilage: Defining Operating Parameters for Optimal Tissue Growth"

Advisor: Dr. T. Wick

Viboon Sricharoenchaikul

Thesis: "Fate of Carbon-Containing Compounds from Gasification of Kraft Black Liquor with Subsequent Catalytic Conditioning of Condensable Organics"

Advisor: Dr. P. Agrawal



Ryan Craig Wartena

Thesis: "Generation of Sodium Oxide and Discharge of Carbon by the Electrolysis of Multi-Component Molten Salts Systems: A Recycle Process for Kraft Pulping Chemicals"

Advisor: Dr. J. Winnick

Doctor of Philosophy

Environmental Engineering

Mumtaz Inan Beydilli

Thesis: "Reductive Biotransformation and Decolorization of Reactive Axo Dyes"

Advisor: Dr. S. Pavlostathis

Vasuthevan Ravisangar

Thesis: "The Role of Sediment Chemistry in Stability and Resuspension Characteristics of Cohesive Sediments"

Advisor: Dr. A. Amirtharajah

Doctor of Philosophy

Civil Engineering

James Kelly Brumbelow

Thesis: "Improved Methods for Agricultural and Water Resources Planning and Management"

Advisor: Dr. A. Georgakakos

Gye Chun Cho

Thesis: "Unsaturated Soil Stiffness and Post-Liquefaction Shear Strength"

Advisor: Dr. J. Santamarina

Jin Ook Kang

Thesis: "Fiber-Reinforced Polymeric Pultruded Members Subjected to Sustained Loads"

Advisor: Dr. A. Zureick

Denis Robert Saussus

Thesis: "Probabilistic Distributions of Ultimate Axial Pile Resistance Derived from Propagation of Epistemic and Aleatory Material and Model Uncertainties"

Advisor: Dr. J. Frost

Yu-Hsing Wang

Thesis: "Attenuation in Soils and Nonlinear Dynamic Effects"

Advisor: Dr. J. Santamarina

Doctor of Philosophy

Electrical and Computer Engineering

Blanca L. Austin

Thesis: "Performance Analysis and Scaling Opportunities of Bulk CMOS Inversion and Accumulation Devices"

Advisor: Dr. J. Meindl

Brent E. Buchanan

Thesis: "A Mixed-Signal CMOS VLSI Image Convolution Circuit Using Error Spectrum Shaping"

Advisor: Dr. M. Brooke

Yi-Jan Emery Chen

Thesis: "Development of Integrated RF CMOS Power Amplifiers for Wireless Communications"

Advisor: Dr. J. Laskar

Hyoung-Kee Choi

Thesis: "Measurement, Characterization, and Modeling of World Wide Web Traffic"

Advisor: Dr. J. Limb

Raymond Christopher Garcia

Thesis: "A Soft Computing Approach to Anomaly Detection with Real-Time Applicability"

Advisor: Dr. J. Copeland

Antonio Efrain Ginart

Thesis: "Single-Ended Switching Analog Audio Amplifier with Dead Zone"

Advisor: Dr. T. Habetler

Noppadon Khiripet

Thesis: "An Architecture for Intelligent Time Series Prediction with Causal Information"

Advisor: Dr. G. Vachtsevanos

Chang-Ho Lee

Thesis: "Design and Implementation of Ku-band Transmitter for Satellite Communication Applications"

Advisor: Dr. J. Laskar

Sang Bin Lee

Thesis: "Sensorless Stator Winding Temperature Estimation for Induction Machines"

Advisor: Dr. T. Habetler



Worayot Lertniphonphun

Thesis: "Unified Design Procedure for
Digital Filters in the Complex Domain"

Advisor: Dr. J. McClellan

David William Peters

Thesis: "Design of Diffractive Optical
Elements through Low-Dimensional
Optimization"

Advisor: Dr. W. Hunt

Tami Rochele Randolph

Thesis: "Image Compression and
Classification Using Nonlinear Filter
Banks"

Advisor: Dr. M. Smith

Jordan Charles Rosenthal

Thesis: "Filters and Filterbanks for
Hexagonally Sampled Signals"

Advisor: Dr. R. Mersereau

Christoph Thomas Georg Schroeder

Thesis: "On the Interaction of Elastic
Waves with Buried Land Mines: An
Investigation of the Finite-Difference
Time-Domain Method"

Advisor: Dr. W. Scott

Daniela Staiculescu

Thesis: "Design Rules for RF and
Microwave Flip-Chip"

Advisor: Dr. J. Laskar

Qing Zhou

Thesis: "Test Support Processor for
Enhanced Testability of High-
Performance Integrated Circuits"

Advisor: Dr. D. Keezer

Doctor of Philosophy

Nuclear and Radiological Engineering

Michele R. Sutton

Thesis: "High Energy Neutral
Dosimetry"

Advisor: Dr. N. Hertel

Doctor of Philosophy

Mechanical Engineering

Harry Douglas Garner Jr.

Thesis: "Development of a Real-Time,
Vision-Based Absolute Orientation
Sensor"

Advisor: Dr. K. Lee

Daniel Louis Jean

Thesis: "Design and Operation of an
Advanced Laser Chemical Vapor
Deposition System with Online Control"

Advisor: Dr. WJ. Lackey

Ryan J. Morrissey

Thesis: "Strain Accumulation and
Shakedown in Fatigue of Ti-6Al-4V"

Advisor: Dr. D. McDowell

Gabriel Hernandez Perez

Thesis: "Platform Design for Customi-
able Products as a Problem of Access in
a Geometric Space"

Advisor: Dr. F. Mistree

Weidong Xie

Thesis: "Thermomechanical Evaluation
of Interfacial Integrity in Multilayered
Microelectronic Packages"

Advisor: Dr. S. Sitaraman



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

*I*n 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 14,000. A statewide Georgia Tech regional engineering program has been implemented.

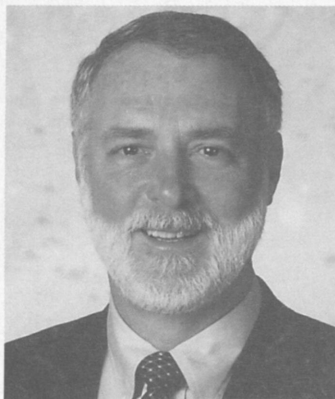
Dr. Clough is the recipient of a number of national awards and honors for teaching and research, including a total of seven from the American Society of Civil Engineers. He is one of a handful of civil engineers to have been twice awarded civil

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.



Provost & Vice President for Academic Affairs *Jean-Lou Chameau, Ph.D.* *Georgia Institute of Technology*

Jean-Lou Chameau became Georgia Tech's provost and vice president for Academic Affairs on June 1.

Dr. Chameau's long association with the Institute began in 1991 when he was named chair of the School of Civil and Environmental Engineering; he later served as vice provost for Research and dean of Graduate Studies.

In 1997, Dr. Chameau was named dean of the College of Engineering, where he led educational and research programs in nine engineering disciplines, all of which have received national recognition and collectively confer the largest number of engineering degrees to undergraduate and graduate students in the country. As dean, one of Dr. Chameau's areas of emphasis was working to make the College a worldwide model for interdisciplinary activities, technological innovation, entrepreneurship, and a catalyst for economic development. Under his stewardship, the Institute continued successful expansion at home and abroad with the establishment of the Georgia Tech Regional Engineering Program in Savannah, a new Logistics Institute in Singapore, and the continued growth of Tech's European satellite campus – Georgia Tech Lorraine – in Metz, France.

Prior to serving as dean of Engineering, Dr. Chameau was president of Golder Associates Inc., where he was responsible for strategic planning and operational and fiscal management of one of the nation's

premier environmental engineering firms. A nationally recognized authority in the area of sustainable technologies, Chameau played a key role in the development of Georgia Tech's Institute for Sustainable Technology and Development.

A Georgia Research Alliance Eminent Scholar, Dr. Chameau earned undergraduate degrees

in mechanical engineering from L'Ecole Nationale Supérieure des Arts et Métiers, and in economics from La Sorbonne in Paris. He pursued his graduate education in civil engineering at Stanford University, completing master's and Ph.D. degrees in 1977 and 1980, respectively.

Before coming to Georgia Tech, Dr. Chameau was a member of the civil engineering faculty at Purdue University, where he became full professor and head of the geotechnical engineering program.



Commencement Speaker James D. Meindl, Ph.D.

James D. Meindl is the director of the Joseph M. Pettit Microelectronics Research Center and the Joseph M. Pettit Professor of Microelectronics at Georgia Tech. Dr. Meindl is also director of the Interconnect Focus Center, a multi-university research effort managed jointly by the Microelectronics Advanced Research Corporation and the Defense Advanced Research Projects Agency for the U.S. Department of Defense. His current research interests focus on physical limits on gigascale integration, which is beginning to yield ever-smaller microelectronic devices for increasingly more powerful and less expensive computerized equipment.

Dr. Meindl served as senior vice president for academic affairs and provost of Rensselaer Polytechnic Institute from 1986 to 1993. He was with Stanford University from 1967 to 1986 as the John M. Fluke professor of electrical engineering, associate dean for research in the School of Engineering, founding director of the Center for Integrated Systems, director of the Electronics Laboratories, and founding director of the Integrated Circuits Laboratory.

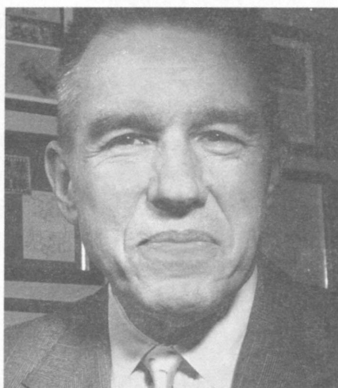
A fellow of the Institute of Electrical

and Electronics Engineers (IEEE) and the American Association for the Advancement of Science, Dr. Meindl is also a member of the American Academy of Arts and Sciences and the National Academy of Engineering and its Academic Advisory Board.

Awards and honors bestowed upon Dr. Meindl include the Benjamin Garver Lamme Medal from the American Society for Engineering Education in 1991, the IEEE Education Medal in 1990, and the IEEE Solid-State Circuits Medal in 1989. He has also been awarded the IEEE Elec-

tron Devices Society's J.J. Ebers Award, the 1997 Hamerschlag Distinguished Alumnus Award from Carnegie Mellon University, as well as five outstanding paper awards from IEEE's International Solid-State Circuits Conference. He received the 1999 Semiconductor Industry Association University Research Award, the IEEE Third Millennium Medal, and most recently, the Georgia Tech 2001 Distinguished Professor Award.

Dr. Meindl holds bachelor's, master's, and doctoral degrees in electrical engineering from Carnegie Mellon University.



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 (ranked #1 in the country).

As of fall 2000, undergraduate enrollment totaled approximately 1,448 and graduate enrollment totaled approximately 294.

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

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. The College now has approximately 100 faculty members, 521 undergraduate students, and 197 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 2000, 585 undergraduate and 274 graduate students were enrolled in the various academic programs of the College: architecture, building construction, city planning, and industrial design. The College also includes the Department of Music and the Division of Fine Arts.

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; Hugh A. Stubbins Jr. ('33), chairman and CEO, The Stubbins Associates Inc., designer of the Citicorp building in New York City and the Ronald Reagan Presidential Library; and John A. Busby ('56), Jova Daniels Busby, Architects, and past president of the American Institute of Architects.

Research programs in the College of Architecture include the Center for Rehabilitation Technology, 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 creating the business and professional leaders of tomorrow. The College was established at Georgia Tech in 1913 and has been accredited by AACSB, the International Association for Management Education, 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 International Quality and Change Leadership, which focuses on education and research on continuous quality improvement and total quality.

Current enrollment in the College includes 1,106 undergraduates, 291 graduate students, and 92 students in the Executive Master's Program in the Management of Technology.

Prominent alumni of the College include: Thomas E. DuPree Jr., chairman and chief executive officer, Avado Brands Inc.; James R. Lientz, president and chief executive officer, Bank of America of Georgia; 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 College of Sciences and Liberal Studies, the College 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.

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

College of Engineering

Eighteen eighty-eight marked the opening of the Institute and the establishment of the School of Mechanical Engineering. As of fall 2000, the College of Engineering, now incorporating nine degree-granting schools, had a total enrollment of 8,632.

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 13 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 20 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 3 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.

The Library has a special responsibility to preserve the history of science and technology. The rare books and medals collections are part of that important preservation effort.

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

Kathryn Smith

Announcer

William Johnson

Campus Police

Jack Vickery and Staff

Commencement reception coordinator

Leonard Nagel

Graduate Studies

Glenna Thomas

Institute Communications and Public Affairs

Aimee Anderson, Elizabeth Campell,

Nita Richard, Katharine Russell,

Dan Treadaway, Annie Znosko, and Staff

Music Department

Bucky Johnson, Ron Mendola,

William Caldwell, and Christine Marks

Plant Operations

Kirk Reeves, Jeremy Mitchell, and

Staging Staff

Registrar's Office

April Boatwright, Ann Laros, Anna

Lindberg, Jo McIver, Julie Peterson,

and Staff

Sound designer

Jess McCurry

Student Affairs (AdAPTS)

Sheryl Ballenger

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.



