

8-7-1999

# Clemson Commencement Program, August 1999

Clemson University

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# Graduation Exercises

*August 7, 1999*

*Clemson, South Carolina*



# Graduation

Saturday, August 7, 1999

11:00 a.m.

Littlejohn Coliseum

## ORDER OF CEREMONIES

(Audience will please stand as faculty and candidates march in and remain standing for the invocation.)

### Invocation

Beverly Elwina McAdams, Student Representative

### Introduction of Trustees

President Constantine W. Curris

### Conferring of Honorary Degrees

President Constantine W. Curris

### Recognition of the Deans of the Colleges

Vice President for Academic Affairs and Provost  
Steffen H. Rogers

### Conferring of Degrees and Delivery of Diplomas

President Constantine W. Curris

### Recognition and Presentation of Awards

Board of Visitors Graduate Teaching Assistant Award  
Faculty Scholarship Award

Aurora Brass Quintet

Frank W. Breazeale, Organist

Kevin Davidson, Soloist

Dr. Bruce Yandle, University Marshal

## BOARD OF TRUSTEES

Lawrence M. Gressette, Jr., Chairman	Columbia
Joseph D. Swann, Vice Chairman	Greenville
Bill L. Amick	Batesburg
J. J. Britton	Sumter
Leon J. Hendrix, Jr.	New York, NY
Harold D. Kingsmore	Aiken
Louis B. Lynn	Columbia
Patricia H. McAbee	Greenwood
Leslie G. McCraw	Greenville
E. Smyth McKissick III	Greenville
Thomas B. McTeer, Jr.	Columbia
William C. Smith, Jr.	Columbia
Allen P. Wood	Florence

## Trustees Emeriti

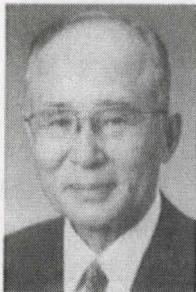
Louis P. Batson, Jr.	Greenville
Fletcher C. Derrick, Jr.	Charleston
W. G. DesChamps, Jr.	Bishopville
Paul W. McAlister	Laurens
Paul Quattlebaum, Jr.	Charleston
D. Leslie Tindal	Pinewood
James M. Waddell, Jr.	Columbia

## Executive Secretary to the Board of Trustees

J. Thornton Kirby

## ADMINISTRATIVE OFFICERS

Constantine W. Curris	President
Steffen H. Rogers	Vice President for Academic Affairs and Provost
John Kelly	Vice President for Public Service and Agriculture
Neill Cameron	Vice President for Advancement
Almeda Jacks	Vice President for Student Affairs
Scott Ludlow	Chief Financial Officer
David Stalnaker	Executive Director of the Commission on the Future of Clemson and Assistant to the President



HONORARY DEGREE  
MINORU OHNISHI  
DOCTOR OF LAWS

Fuji Photo Film Chairman and CEO Minoru Ohnishi is a visionary both in the introduction of technology and in the recognition of the beneficial relationship between corporations, communities and universities. He has greatly contributed to the social and economic growth not only of Japan, but also to that of South Carolina.

Mr. Ohnishi joined Fujifilm shortly after graduating from Tokyo University in 1948. His degree in economics coupled with his love of photography led to many early Fujifilm successes, including the introduction of the world's first Quick Snap one-time use recyclable camera, the manufacturing of ISO 400 color negative film and the development of the digital medical diagnosis system.

Mr. Ohnishi was named manager of Fujifilm's New York office in 1964. In 1972, he became director of the board for the company and, after successful stints as both managing director and senior managing director, he was named president of Fuji Photo Film Co., Ltd. in 1980.

In this role, Mr. Ohnishi made the decision to build the first Fujifilm factory in the United States in Greenwood, S.C., which opened in 1989. In 1996, Mr. Ohnishi was named chairman and CEO of Fujifilm's global operations and continues to implement his vision of a strong international commercial partnership throughout North America and the world.

The Greenwood community embraced Fujifilm, and the partnership has flourished. Fujifilm-Greenwood now has six major production facilities, a major research and development center and the largest Fujifilm distribution center in the world. The Greenwood complex is recognized as Fujifilm's North American manufacturing and R&D headquarters. Fujifilm has helped strengthen our state's economy, with more than 1,300 associates employed in South Carolina and an annual payroll approaching \$50 million.

In 1997, Fujifilm made a contribution of \$200,000 to help create the Greenwood Community Children's Center. The company has also given 100 cherry trees to Greenwood and has established scholarship programs at Clemson University, the University of South Carolina, Lander University and Piedmont Technical College for the benefit of Greenwood County students.

Fujifilm and Clemson have partnered to form the U.S.-Japan Alliance with Clemson, an organization that furthers international relations through research and industry. The ties run strong: Mr. Hirokuni "Harry" Watanabe, president of Fujifilm's Greenwood operations and co-chair of the UJAC, serves as a member of the Commission on the Future of Clemson University, and Mr. Bill West, a Fujifilm-Greenwood's vice president of manufacturing, serves on the Advisory Board of the Industrial Engineering Department. Further, Fujifilm has had 23 Clemson co-op students since 1992 and recently enlisted several industrial engineering students to help address concerns related to process issues.

In recognition of his contributions to the international partnership between the United States and Japan, to the state and constituency of South Carolina, and to the betterment of his communities and educational institutions, it is a distinct privilege to present Mr. Minoru Ohnishi with our first foreign national honorary degree, the Doctor of Laws.



HONORARY DEGREE  
**WILLIAM LEON SCHACHTE, JR.**  
DOCTOR OF LAWS

Over the course of his exemplary careers as an officer and attorney in the United States Navy, Rear Admiral William Leon Schachte, Jr. has dedicated himself to the service of our nation and to the support of Clemson University.

Rear Admiral Schachte began his military career as a shipboard officer after graduating from Officer Candidate School. He later volunteered for duty in Vietnam, serving in combat and earning the distinguished Bronze star with "V" for "courage under fire and inspiring leadership." After receiving a law degree from the University of South Carolina under the Navy's Excess Leave Program, he furthered his service to our country through various assignments of increasing responsibility leading to over 10 years at the Pentagon. Rear Admiral Schachte later received a Master of Laws degree in international law with highest honors from the George Washington University Law School.

An authority on the law of the sea, Rear Admiral Schachte has served as Department of Defense Representative for Ocean Policy Affairs, in which capacity he was senior spokesman for the Secretary of Defense and the Chairman of the Joint Chiefs of Staff.

Rear Admiral Schachte demonstrated his skills in international diplomacy in law of the sea negotiations that ended in resolution of complex and sensitive issues with Russia, Canada, Greece, Turkey, Japan, and several Latin American and South Pacific nations. In acknowledgement of his diplomatic successes and his expertise in international ocean matters, he was nominated by the Department of Defense to represent the United States at the law of the sea tribunal in Hamburg, Germany.

In his final military post as Acting Judge Advocate General of the Navy, he served as the senior uniformed lawyer in the Navy and Marine Corps, as personal legal and policy adviser to the Secretary of the Navy, the Chief of Naval Operations and the Commandant of the Marine Corps.

Over his outstanding record of service to our country, he has earned numerous personal awards, including the highest peacetime awards from both the Department of Defense and Department of the Navy, and he has received the prestigious Legion of Merit award twice.

As a testimony to his religious faith, Rear Admiral Schachte was the keynote speaker at the 1995 Annual Mayor's Prayer Breakfast in Augusta, Ga. He was also the keynote speaker at the largest Mayor's Prayer Breakfast in America.

Rear Admiral Schachte's leadership service to Clemson University began early at Clemson. As a student, he served as president of both his freshman and sophomore classes and went on to serve as president of the Student Senate. He also served as news editor of the Tiger, vice president of the Tiger Brotherhood, first president of the Interfraternity Council and president of Sigma Alpha Zeta, the first social fraternity at Clemson. Additionally, he was elected senator and later governor of the South Carolina State Student Legislature.

Rear Admiral Schachte continues to serve the University as a member of the College of Architecture, Arts and Humanities Advancement Board and as a Legislative Advocate.

We hold Rear Admiral William L. Schachte and his lifetime achievements in the highest esteem. In recognition of his remarkable service to the United States of America and his contributions to Clemson University, it is a distinct privilege to present him with the Doctor of Laws honorary degree.

# Awards

## BOARD OF VISITORS GRADUATE TEACHING ASSISTANT AWARD

The Graduate Teaching Assistant Award was established to recognize the valuable contributions that graduate teaching assistants make to the education of Clemson undergraduate students. Two individuals are selected each year from nominations by students and endorsed by University faculty. A bronze medallion is presented to each recipient, and the award carries with it a stipend of five hundred dollars.

## BOARD OF VISITORS GRADUATE TEACHING ASSISTANT AWARDS FOR 1999

ALAN RUSSELL CANNON  
Greenville, SC

VICTOR FREDERICK SEAMON  
Burlington, NC

## FACULTY SCHOLARSHIP AWARD

Established at Clemson University in 1959, this award is presented by the faculty of Clemson University to the member of the graduating class who has the highest scholastic achievement. All graduates who have completed the requirements for the bachelor's degree since the last commencement exercise and who have completed at Clemson at least 75 percent of the work required for graduation shall be eligible for consideration.

## RECIPIENTS OF THE FACULTY SCHOLARSHIP AWARD FOR AUGUST 1999

MELISSA LYNN NEWMAN  
North Augusta, SC

ERIK KRISTOPHER OTTO  
Shepherdstown, WV

BRANDI MARIE SLATON  
Anderson, SC

## The Academic Procession

The Academic procession is composed of the faculty, staff, officers, trustees, and honored guests of the University. Faculty enter by college and each college is preceded by its marshal, a senior faculty member, with the college baton, described under University Regalia.

The college banners are placed on the stage. Each banner is a combination of colors that declare the disciplines taught in that college. These colors, which were established by the American Council on Education, are as follows:

College	Colors	Discipline
Agriculture, Forestry and Life Sciences	Maize Brown Golden Yellow	Agriculture Forestry Life Sciences
Architecture, Arts and Humanities	Lilac Brown White Dark Blue	Architecture Arts Humanities Philosophy
Business and Public Affairs	Drab Copper Peacock Blue Cream	Accounting and Business Economics Public Administration Social Sciences
Engineering and Science	Orange Golden Yellow	Engineering Science
Health, Education and Human Development	Light Blue Apricot Cream	Education Nursing Social Sciences
Library	Lemon Yellow	Library
Staff	Purple and Orange	Academic Support
Faculty Senate	Purple and White	Instruction

Collegiate faculty follow their marshal in order of academic rank wearing academic costumes of medieval origin. Those who have received their degrees from institutions outside the United States wear costumes specified by the awarding institutions.

The academic costumes of faculty whose degrees are from United States' institutions are specified by a uniform code maintained by the American Council on Education. Caps are black and are usually mortar boards with tassels. Doctors of Philosophy wear gold tassels usually of metallic thread; other degrees wear black or discipline colors.

The bachelor's gown is simple and black with long, pointed sleeves. Masters' gowns, also black, are longer than bachelors. Older gowns have sleeves that terminate at the elbow while those since 1960 have sleeves extended to the wrist. Doctors' gowns are full, with bell-like sleeves. The front is marked by velvet panels and the sleeves are marked by three velvet bars. While most gowns are black with black velvet, one variation is to replace black velvet with velvet in the discipline color. A second variation is a colored gown usually of the university's colors.

All hoods specify the level of degree, the type of discipline studied and the awarding institution. First, degree level is signified by the size of the hood with bachelors' smallest, masters' larger, and doctors' quite large and of a different shape. Clemson does not award hoods to bachelors. The width of the velvet trim also conveys the degree. Secondly, the degree is indicated by the color of the trim edging the hood to form the throat over the gown. The most frequently seen is dark blue, which designates the doctor of philosophy (Ph.D.) degree. Finally, the color of the hood's lining specifies the awarding institution. The colors are displayed in combinations that are drawn from heraldry. Notice that the Clemson University hood is lined with purple through which is an orange chevron (a "V"). Although many combinations are duplicated by dozens of institutions, Clemson is presently the only institution with that registered combination.

The officers, trustees, and honored guests wear academic, ecclesiastical, or military regalia as set forth by their professions. They are preceded by the University Marshal. Clad in a gown of office in gold and purple, the marshal wears no hood and bears the University mace. At the ceremony's close, the faculty do not exit as a part of the recessional but are dismissed, along with students and guests, when the marshal leaves the coliseum.

## The University Regalia

The University mace is the symbolic representation of the whole of Clemson University and must be present at any convocation where the University, through its delegated members, is acting officially. At any official convocation such as commencement, the University Marshal, carrying the mace, precedes the President into the assembly. The mace rests before the President's chair or speaker's stand throughout the ceremony, and its removal from the assembly at the close of a convocation is symbolic of the official withdrawal of the University and, thus, the close of the proceedings.

The decorative design of Clemson's mace is derived from the ceremonial maces carried by heads of state and church in the Middle Ages. Its basic clublike shape, however, is much more ancient, probably going back to man's prehistory. It is made of walnut wood and silver, with the seal of the University in gold and the University colors represented by insets of cornelian (orange) and amethyst (purple). Amethyst is also the state stone of South Carolina.

The Presidential chain and seal is symbolic of the authority vested in the office of president by the governing body of the University. Only the University President may wear it, and while wearing it he speaks for the whole body of the institution. Clemson's chain and seal are made of silver and gold, and cornelian and amethyst.

The batons of the college marshals also descend from medieval "staffs of office" which were carried by the senior members of departments of state or church. They display the seal of the University and the symbolic color of the discipline to which the college belongs. Clemson's batons are made of walnut wood and silver with the various disciplines inset with enamel.

The University regalia were designed and executed by Mr. Robert Ebendorf. Mr. Ebendorf is twice winner of the Tiffany Award and one of the most acclaimed goldsmiths of our era. The enamel plaques for the batons were executed by the late Professor Marshall C. Bell, and the lapidary work was executed by the late Mr. C. C. Wilson of Clemson University.

## Historical Statement

Clemson University is named for Thomas Green Clemson (1807-1888), who left the bulk of his estate to the State of South Carolina for the founding of the institution.

Thomas Clemson was born in Philadelphia in 1807 and educated at the Royal School of Mines in Paris (1828-1832). His early profession was that of a mining engineer; however, circumstances diverted his interests into politics and the life of a southern planter, and he soon became an enthusiastic advocate of scientific agriculture. He had a career as a diplomat (charge d'affaires to Belgium, 1844-1852) and served as the first Superintendent of Agricultural Affairs in Washington (1860). As a scientist he published numerous articles in the fields of mining, chemistry and agriculture. His varied activities included his assistance in the founding of the Maryland Agricultural College, his support of the Morrill Act, his leadership in South Carolina after the Civil War, and his part in founding Clemson University.

Thomas Clemson was the son-in-law of South Carolina's John C. Calhoun, a political figure of national importance during the first half of the nineteenth century. Mr. Calhoun's home, Fort Hill, is preserved on the Clemson Campus as a national shrine.

The academic program at Clemson College began in 1893 with an enrollment of 446. The first "college prospectus" announced only two four-year curricula, supplemented by two two-year preparatory courses. Today the University has six major academic units. These are the College of Agriculture, Forestry and Life Sciences, the College of Architecture, Arts and Humanities, the College of Business and Public Affairs, the College of Engineering and Science, the College of Health, Education and Human Development, and the Graduate School.

The institution is an accredited member of the Southern Association of Colleges and Schools; various curricula are accredited by the Accreditation Board for Engineering and Technology, American Assembly of Collegiate Schools of Business, Computing Sciences Accreditation Board, Council on Accreditations of the National Recreation and Park Association, National Architectural Accrediting Board, National Association of State Directors of Teacher Education and Certification, National Council for Accreditation of Teacher Education, National League for Nursing, and Society of American Foresters.

Clemson is a land-grant institution. As such, it is engaged not only in its primary academic program, but does extensive research at the main campus and at five agricultural experiment stations located in the State. The University is also heavily committed to a varied program of public service, including the work of agricultural extension which has professional personnel located in each of the State's counties.

## CLEMSON ALMA MATER

A. C. Corcoran, '19

Where the Blue Ridge yawns its greatness,  
Where the Tigers play;

Here the sons of dear old Clemson  
Reign supreme alway.

### Chorus

Dear old Clemson, we will triumph  
And with all our might,

That the Tiger's roar may echo  
O'er the mountain height.

We will dream of great conquests,  
For our past is grand,

And her sons have fought and conquered  
Every foreign land.

Where the mountains smile in grandeur  
O'er the hill and dale.

Here the Tiger lair is nestling  
Swept by storm and gale.

We are brothers strong in manhood,  
For we work and strive;

And our alma mater reigneth  
Ever in our lives.

# CANDIDATES FOR THE DOCTOR'S DEGREE

BONNIE HOLADAY, Dean, Graduate School

## COLLEGE OF AGRICULTURE, FORESTRY, AND LIFE SCIENCES

### DOCTOR OF PHILOSOPHY

#### Applied Economics

Steven Wayne Lindsey \_\_\_\_\_ Charlotte, NC  
B.A., Brigham Young University  
Dissertation: Time Sensitive Nature of Patent Value: Food Additives  
Advisor: Dr. M. T. Maloney

Victor Frederick Seamon \_\_\_\_\_ Burlington, NC  
B.S., University of North Carolina-Wilmington  
Dissertation: An Analysis of Regional and Seasonal Differences in the Cotton Basis  
Advisor: Dr. K. H. Kahl

Yesim Rabia Subasi \_\_\_\_\_ Ankara, Turkey  
B.S., Middle East Technical University; M.A., Clemson University  
Dissertation: The Effect of Inflation on the Difference between Investment and Savings and the Relation to the Twin Deficits  
Advisor: Dr. M. S. Wallace

#### Environmental Toxicology

Jin-Ying Liu \_\_\_\_\_ Taipei, Taiwan  
B.S., Providence College; M.S., Tamkang University  
Dissertation: Effects of 2,3,7,8 TCDD PAHs, and other Endocrine Modulating Chemicals on Immune Function and Phase I and Phase II Metabolism in the Deer Mouse  
Advisor: Dr. A. B. Bodine

Margaret Mae Peden-Adams \_\_\_\_\_ Greenville, SC  
B.S., M.S., Clemson University  
Dissertation: Evaluation of Xenobiotic-Induced Immunotoxicity and CYP450 Induction in Wildlife Species  
Advisor: Dr. A. B. Bodine

#### Genetics

Yuhong Tang \_\_\_\_\_ Sichuan, China  
B.S., Beijing Normal University; M.S., University of Science and Technology  
Dissertation: Developmental and Molecular Characterization of the Fasciation Mutation in Soybean, *Glycine max* (L.) Merr.  
Advisor: Dr. H. T. Knap

Yihong Wang \_\_\_\_\_ Ahui, China  
B.S., Nanjing Agriculture University; M.S., University of the Philippines  
Dissertation: Genome Mapping and Marker Development for Localizing Disease Resistance Genes in Melon (*Cucunis melo* L.)  
Advisor: Dr. R. A. Dean

#### Microbiology

Christine Marie Kitsos \_\_\_\_\_ Haverhill, MA  
B.S., Westfield State College; M.S., Clemson University  
Dissertation: The Immunomodulation of Major Histo Compatibility Class I Antigens in Human Papilloma Virus Type 16-Induced Cervical Cancer Cell Lines  
Advisor: Dr. L. L. Larcom

Amy Lynn Tuck \_\_\_\_\_ Greenville, SC  
B.S., Bob Jones University  
Dissertation: DNA Repair Defects in Chronic Lymphocytic Leukemia  
Advisor: Dr. L. L. Larcom

#### Nutrition

Christie Elaine Campbell \_\_\_\_\_ Rogersville, MO  
B.S., Southwest Missouri State University; M.S., Clemson University  
Dissertation: The Effect of Domperidone on Production and Endocrine Parameters Related to Fescue Toxicosis in Beef Cattle  
Advisor: Dr. D. L. Cross

#### Plant Pathology

Leonard Frank Yourman \_\_\_\_\_ Washington, DC  
B.A., George Washington University; M.S., Texas A & M University  
Dissertation: Incidence and Genetic Characterization of Fungicide Resistance in Greenhouse Isolates of *Botrytis cinerea*  
Advisor: Dr. S. N. Jeffers

Zoology

Island Park, NY

David Stewart Mirzahi

B.S., State University of New York College

Dissertation: Migratory Behavior and Ecophysiology of Semipalmated Sandpipers During Spring Migration Stopover

Advisor: Dr. S. A. Gauthreaux

Andrew Stanley Mount

Clemson, SC

B.S., University of Tampa; M.S., College of Charleston

Dissertation: Nucleation of Calcite in the Eastern Oyster *Crassostrea virginica*: Biochemical and Functional Studies of the Organic Matrix from Foliated Shell

Advisor: Dr. A. P. Wheeler

Gulsen Ulukoy

Antalya, Turkey

B.S., M.S., Mediterranean University

Dissertation: Studies of the Structure, Function, and Differentiation of the Trophotaenae and Gut in Embryonic Goodeid Fishes

Advisor: Dr. J. P. Wourms

COLLEGE OF BUSINESS AND PUBLIC AFFAIRS

DOCTOR OF PHILOSOPHY

Industrial Management

Mehmet Barut

Istanbul, Turkey

B.S., M.S., Istanbul Technical University

Dissertation: On Allocating Capacity to Customer Orders in a Class of Make-To-Order (MTO) Production Systems

Advisor: Dr. V. Sridharan

Industrial/Organizational Psychology

Mary Ann Hooten

Mt Pleasant, SC

B.S., University of Alabama-Birmingham; M.S., Clemson University

Dissertation: The Interaction Between Error-Based Training and Trainee Goal Orientation

Advisor: Dr. R. Perlow

Management Science

Laura Carmen Lancaster

Maitland, FL

B.S., Stetson University; M.S., Clemson University

Dissertation: A Generalization of Multiple Objective Dynamic Programming with Time-Dependent Costs

Advisor: Dr. M. M. Kostreva

COLLEGE OF ENGINEERING AND SCIENCE

DOCTOR OF PHILOSOPHY

Bioengineering

Stephen Daniel Ainsworth

Delmar, NY

B.S., Rensselaer Polytechnic Institute; M.S., Clemson University

Dissertation: Modeling of Artery Restenosis Influenced by Endovascular Stent Geometry

Advisor: Dr. M. LaBerge

Marc Long

Cannes, France

B.S., Ecole Nat Sup D'arts Et Metier; M.S., Clemson University

Dissertation: Reciprocating - Sliding Friction and Wear Performance of Titanium Alloys

Advisor: Dr. H. J. Rack

Biosystems Engineering

Wayne Scott Rial

Bristol, TN

B.S., Indiana Institute of Technology; M.Engr., Cornell University

Dissertation: Using Complex Permittivity to Assess the Volumetric Water Content of Agronomic Soil

Advisor: Dr. Y. J. Han

Ceramic Engineering

Jennifer Ann Landsly

Lansing, IL

B.S., Purdue University; M.S., Clemson University

Dissertation: A Statistical Model to Predict Hazardous Waste Glass Durability

Advisor: Dr. E. C. Skaar

William Emmett Paradise

Boca Raton, FL

B.S., Clemson University

Dissertation: Characteristics of Electrooptic PLZT Thin Films Under Applied Stress

Advisor: Dr. E. C. Skaar

**Chemistry**

Glen Rock, PA

Matthew Lewis Hartenstein  
B.S., Gettysburg CollegeDissertation: Development of Radio Frequency Atomic Emission Spectrometry for the Depth Resolved Analysis of Solids  
Advisor: Dr. R. K. Marcus

Glenn Edward Lawson

Cambridge, MA

B.S., M.S., East Tennessee State University

Dissertation: Preparation and Characterization of Fullerene Derivatives and Polymers

Advisor: Dr. Y. P. Sun

**Electrical Engineering**

Gurudutt Satish Hosangadi

Bombay, India

B.E., University of Mumbai; M.S., Clemson University

Dissertation: Sequential Acquisition Schemes for Direct-Sequences Spread-Spectrum Systems

Advisor: Dr. C. W. Baum

Cengiz Ozzaim

Ankara, Turkey

B.S., M.S., Middle East Technical University

Dissertation: Electromagnetic Fields and Currents Excited by Dipoles Normal to the Conducting Surface of Dielectric Loaded Bodies

Advisor: Dr. C. M. Butler

Vijay Parihar

Sonipat, India

B.S., M.T., Kurukshetra University

Dissertation: Process Optimization and the Development of Manufacturing Equipment for Deposition of Inter-Level Dielectric for SI IC's

Advisor: Dr. R. Singh

Arvind Ramachandran Raghavan

Bangalore, India

B.E., Mangalore University; M.S., Clemson University

Dissertation: Protocols for Distributed Direct-Sequence Packet Radio Networks

Advisor: Dr. C. W. Baum

Korkut Yegin

Tekirdag, Turkey

B.S., Middle East Technical University; M.S., Clemson University

Dissertation: Broadband Wire Antennas and Improved Integral Equation Methods for Penetration into Body of Revolution Structures

Advisor: Dr. A. Q. Martin

**Engineering Mechanics**

Runnong Huan

Nanjing, China

B.S., M.S., Shanghai Jiaotong University

Dissertation: Finite Element Formulation of Asymptotic and Exact Radiation Boundary Conditions

Advisor: Dr. L. L. Thompson

**Environmental Engineering and Science**

John Mathis Rudolph

Paducah, KY

B.E., Vanderbilt University; M.S., Stanford University

Dissertation: Bacterial Responses to Mixtures of Glucose, Benzoate and Salicylate in Continuous Culture

Advisor: Dr. C. P. L. Grady

**Materials Science and Engineering**

Zhicheng Cao

Jilin, China

B.S., Fudan University; M.S., Birla Institute of Technology

Dissertation: Synthesis and Characterization of Phosphate Ceramics Derived Through Sol-Gel Process

Advisor: Dr. B. I. Lee

**Mathematical Sciences**

Xibin Chen

Hubei, China

B.S., Nankai University

Dissertation: Methods of Feasible Directions for Nonlinear Programming: Theory and Algorithms

Advisor: Dr. M. M. Kostreva

Donald Dale Mills

Oglesby, IL

B.S., Bob Jones University; M.S., Clemson University

Dissertation: Root-based Polynomial Compositions over Finite Fields

Advisor: Dr. J. V. Brawley

Dr. X. Gao

**Mechanical Engineering**

Timothy Allan Conover

Clemson, SC

B.S., M.S., Clemson University

Dissertation: Experimental Study of Heat and Mass Transfer in a Buoyant Countercurrent Exchange Flow

Advisor: Dr. D. E. Beasley

Textile and Polymer Science

Zhentao Mao

Jiangsu, China

B.E., M.E., China Textile University

Dissertation: Modeling and Experimental Studies of the Process of Ultrasonic Bonding of Non-wovens

Advisor: Dr. B. C. Goswami

COLLEGE OF HEALTH, EDUCATION, AND HUMAN DEVELOPMENT

DOCTOR OF EDUCATION

Vocational and Technical Education

Michael Wayne Freeman

Chesterfield, SC

B.S., M.H.R.D., Clemson University

Dissertation: Effectiveness and Costs of Hybrid Audiographics and Instructional Television for Delivering Graduate Distance Education

Advisor: Dr. S. T. Ingram

Jimmy Ray Holliday

Six Mile, SC

B.S., M.S., Clemson University

Dissertation: An Assessment of Student Attitudes Toward Computer Based Audiographics Distance Education

Advisor: Dr. C. D. White

DOCTOR OF PHILOSOPHY

Curriculum and Instruction

Patricia McMillan Chandler

Myrtle Beach, SC

B.S., M.N.S., Clemson University

Dissertation: Conveying the Vision of Science: Meta-lessons on Inquiry Found in a Content Analysis of Two High School Biology Textbooks

Advisor: Dr. W. H. Leonard

Eudora Hubbard Dickey

Wellford, SC

B.A., Norfolk State University; M.Ed., Virginia Commonwealth University

Dissertation: Environment Building: African American Girls Reading African American Texts

Advisor: Dr. B. E. Naff

Patricia Eck Smith

Easley, SC

B.A., Florida Atlantic University; M.Ed., University of South Carolina

Dissertation: Applying Kegan's Constructive-Developmental Theory of the Evolving Self and the Role of Experience to the Leadership Effectiveness of Teacher Leaders

Advisor: Dr. D. M. Switzer

Susan Lee Wainscott

Clemson, SC

B.S., Miami University-Oxford; M.Ed., Clemson University

Dissertation: Promise and Performance: Determining the Relationship of Advanced Placement Mathematics with Actual Performance Rigorous Undergraduate Mathematics Coursework

Advisor: Dr. R. L. Blackburn

Educational Leadership

Corey Renell Amaker

Lexington, SC

B.A., M.Ed., Clemson University

Dissertation: Persistence of African American Students at Predominantly White Universities: Bicultural Efficacy, Social Development and Student Outcome

Advisor: Dr. R. A. Marion

Parks, Recreation, and Tourism Management

Kenneth Evan Silverberg

Salt Lake City, UT

B.S., Arizona State University; M.S., University of Wyoming

Dissertation: An Identification and Explication of a Typology of Public Parks and Recreation Volunteers

Advisor: Dr. S. J. Backman

# CANDIDATES FOR THE EDUCATION SPECIALIST AND MASTER'S DEGREE

BONNIE HOLADAY, Dean, Graduate School

## COLLEGE OF AGRICULTURE, FORESTRY, AND LIFE SCIENCES

### MASTER OF AGRICULTURAL EDUCATION

Paul Marcus Earle \_\_\_\_\_ Central, SC Heidi Elizabeth Fanning \_\_\_\_\_ Neeses, SC

### MASTER OF SCIENCE

#### Agricultural and Applied Economics

Furman R. Dukes \_\_\_\_\_ Reevesville, SC Shelley Grant Stevenson \_\_\_\_\_ Swansboro, NC  
Lauren Elizabeth Edgington \_\_\_\_\_ Clermont, FL Gaixia Zhang \_\_\_\_\_ Clemson, SC  
Carolyn L. Reynolds \_\_\_\_\_ Columbia, SC

#### Animal and Food Industries

Eun-ju Kim \_\_\_\_\_ Seoul, Korea Christopher Robert Talley \_\_\_\_\_ Salem, SC  
Yannick Le strat \_\_\_\_\_ Fargues, France

#### Animal Physiology

Staci Neas Johnson \_\_\_\_\_ Greeneville, TN

#### Aquaculture, Fisheries, and Wildlife Biology

Kimberly Ann Bjorgo \_\_\_\_\_ Clemson, SC Robert William Starkey \_\_\_\_\_ Warren, OH  
Emily Cummings Cope \_\_\_\_\_ Lodge, SC

#### Biochemistry

Mark Taylor Corbett \_\_\_\_\_ Norfolk, VA

#### Botany

Karen Carlson Hall \_\_\_\_\_ Bryson City, NC

#### Crop and Soil Environmental Science

Christopher Ryan Bond \_\_\_\_\_ Winnsboro, SC Michelle Leigh Paris \_\_\_\_\_ Manasquan, NJ  
Kellee Suzanne McCarley \_\_\_\_\_ Morningside, MD

#### Entomology

Eric Scott Payson \_\_\_\_\_ Tega Cay, SC Will Karlisle Reeves \_\_\_\_\_ Atlanta, GA  
Michael Petridis \_\_\_\_\_ Kozani, Greece

#### Environmental Toxicology

Sandra L. Knuteson \_\_\_\_\_ Whitewater, WI Eric Wilson Montie \_\_\_\_\_ Old Saybrook, CT

#### Forest Resources

Brian Sears Metts \_\_\_\_\_ North Augusta, SC David Burke Vandermast \_\_\_\_\_ South Salem, NY  
Charlene Louise Neilhardt \_\_\_\_\_ Traverse City, MI

#### Genetics

Ginger Anne Swire-Clark \_\_\_\_\_ Beavercreek, OH

#### Horticulture

Ying Li \_\_\_\_\_ Guang'an, China

#### Microbiology

Kerri Marie Worthy \_\_\_\_\_ Seneca, SC

#### Zoology

Donald Galen DeHay \_\_\_\_\_ Moncks Corner, SC Steven M. Lohr \_\_\_\_\_ Beaufort, SC  
Kenneth H. Kozak \_\_\_\_\_ Sparta, NJ

## COLLEGE OF ARCHITECTURE, ARTS, AND HUMANITIES

### MASTER OF ARCHITECTURE

William Winfred Decker \_\_\_\_\_ St Louis, MO Leigh Angela Martin \_\_\_\_\_ Spartanburg, SC  
Watson Lee Dorn III \_\_\_\_\_ Greenwood, SC Anjali Salve \_\_\_\_\_ Pune, India  
Phillip Kenneth Huggins, Jr. \_\_\_\_\_ Charleston, SC Robert David Tallarico \_\_\_\_\_ Mt Pleasant, SC  
Christopher William Lepine \_\_\_\_\_ Rock Hill, SC

### MASTER OF CITY AND REGIONAL PLANNING

Ari Daman \_\_\_\_\_ New Delhi, India

**MASTER OF CONSTRUCTION SCIENCE AND MANAGEMENT**

Michael David Dunlap \_\_\_\_\_ Greenville, SC  
 Sidney Jeffrey Hymes \_\_\_\_\_ Greensboro, NC

Robert Clifford Judd \_\_\_\_\_ Greenville, SC

**MASTER OF ARTS****English**

Jason Matthew Berry \_\_\_\_\_ Concord, MA  
 Mark Phillip Brodie \_\_\_\_\_ Queens Village, NY  
 Kimberly Laine Dunscombe \_\_\_\_\_ Seneca, SC  
 Steven Scott Hazel \_\_\_\_\_ Greenville, SC

Amanda Ann Litchfield \_\_\_\_\_ Grosse Pointe Woods, MI  
 Melinda Kay Morrow \_\_\_\_\_ Springfield, MO  
 Suzanne Marie Richard \_\_\_\_\_ Laurens, SC

**History**

Marcus Keith Gore \_\_\_\_\_ Myrtle Beach, SC

Christopher Charles Pinkney \_\_\_\_\_ Raytown, MO

**Professional Communication**

Dustin Lee Annan \_\_\_\_\_ Decatur, AL  
 Jodi Dawn Fogle \_\_\_\_\_ Conway, SC  
 Jacquelyn Michelle Jordan \_\_\_\_\_ Queens, NY  
 Amber Dahn Lofthouse \_\_\_\_\_ Billings, MT

Scott Michael McCulloch \_\_\_\_\_ Richmond, VA  
 Michael J. Waters \_\_\_\_\_ Aiken, SC  
 John King Williams, Jr. \_\_\_\_\_ Spartanburg, SC

**MASTER OF SCIENCE****Architecture**

Shilpa Chandramohan Shinde \_\_\_\_\_ Maharashtra, India

**COLLEGE OF BUSINESS AND PUBLIC AFFAIRS****MASTER OF BUSINESS ADMINISTRATION**

Nikhil Aggarwal	Amritsar, India	Giancarlo Ramiro Martini	Erie, PA
Elena Agrizzi	Treviso, Italy	David Glenn Mayernik	Simpsonville, SC
Brian Lee Barbery	Greenville, SC	Erin Kate Meehan	Aiken, SC
Laura Bassi	Treviso, Italy	Damjan Mencej	Ljubljana, Slovenia
Luigi Becherini	Vicenza, Italy	Michelle Anne Miller	Greer, SC
Stefano Bello	Marostica, Italy	Matthew Stephen Monaghan	Lauenheath, England
Daniel Robert Bradley	Chatham, NJ	Brian Keith Morgan	Greenville, SC
Gregor Breznik	Ljubljana, Slovenia	George Lawrence Moser	Raymond, ME
Patti Harrison Bridges	Honea Path, SC	Tamara L. Nerwin	Seattle, WA
Derrick Weldon Brown	Augusta, GA	Manoj Nigam	Greenville, SC
Joseph M. Caliguri	Buffalo, NY	Judith D. Niver	Taylors, SC
Matthew Scott Cardone	Greenville, SC	Ashley Lynette Page	Shreveport, LA
Jose Gabriel Carrasco	Panama City, Panama	William David Pcheny	Taylors, SC
Sena Judge Claxton	Simpsonville, SC	Andreja Pogacnik	Kranj, Slovenia
Gary Arthur Clayton	Blue Springs, MO	Janez Pretnar	Domzale, Slovenia
Ajaykumar H. Dedhia	Mumbai, India	Salvatore Gino Renzo	Eastchester, NY
Edward Lee Devore	Greenville, SC	Stephanie Marie Rouse	Mauldin, SC
Timothy Dean Ellis	Simpsonville, SC	Primoz Rutar	Maribor, Slovenia
Gary Dean Enterline	Greenville, SC	Christine Mary Ryall	Orlando, FL
Janez Ferbar	Ljubljana, Slovenia	John Orlando Sacco	Cleveland, OH
Roberto David Filippazzo	Toronto, Ontario	Marco Santel	Padova, Italy
Zachary Robert Frank	Woodstock, GA	Richard Joseph Schellhammer, Jr.	Nashua, NH
Joseph Jerome French	International Falls, MN	Stephen Thomas Schilf	Clemson, SC
John Michael Garbarino	New York, NY	Kimberli Lollis Scott	Gray Court, SC
Amanda Denise Giles	Spartanburg, SC	Renata Smit	Ljubljana, Slovenia
Hubert Gleissner	Munich, Germany	Riccardo Speranza	Cassola, Italy
Michelle Lee Gosnell	Campobello, SC	Devin Patrick Stelljes	Syracuse, NY
Richard Paul Grammer	Hanover, PA	Jeffrey Scott Stull	Greenville, SC
Kenneth David Hiott	Williamston, SC	Petra Tavcar	Ljubljana, Slovenia
Sharon Lynn Horensky	Ellicott City, MD	Carter Grosvenor Thompson	Greenville, SC
Michael Scott Hunnicut	Greenville, SC	Melissa Toffoli	Treviso, Italy
Christopher Shannon Hunt	Anderson, SC	Andrea Venturato	Treviso, Italy
Vikas Jain	Chandigarh, India	Giorgio Venturato	Treviso, Italy
Jon William Jaskwhich	Greenville, SC	Mojca Vrecar	Ljubljana, Slovenia
Jitendra Gurunath Joshi	Bombay, India	Joseph Al Westmoreland	Gainesville, GA
Michael John Koma	Greenville, SC	Robert Lawrence Wiggins, Jr.	Clemson, SC
Matej Linke	Ljubljana, Slovenia	Jason Brooks Williams	Powdersville, SC
Romana Linke	Ljubljana, Slovenia	Gregory Alan Wingo	Lewisburg, WV
James Scott Magnuson	Simpsonville, SC	CharleeAnne Michelle Wunderlin	St Louis, MO
Suresh Kumar Maramreddy	Hyderabad, India	David Bruce Yates	Kingsport, TN
Robert Richardson Martin III	Georgetown, SC	Greg Yurkovich	Newport Coast, CA

**MASTER OF PROFESSIONAL ACCOUNTANCY**

David Lawrence Alexander	Anderson, SC	Karen Lee Hoover	Hanahan, SC
Jason Travis Bayne	Greer, SC	Velislav Kirilov Iltchev	Sofia, Bulgaria
Jason E. Causey	Wheeling, WV	Matthew David Lee	Marietta, GA
Rebecca Louise Comer	Houston, TX	Charles Arthur Tegen	Central, SC
Kathryn Elizabeth Craig	Mt Pleasant, SC		

**MASTER OF PUBLIC ADMINISTRATION**(Master of Public Administration is jointly administered by  
Clemson University and the University of South Carolina.)

Mark Daniel Colburn	Naples, FL	Alma Waddell Miller	Spartanburg, SC
David Michael Collins, Jr.	Landrum, SC	Robert M. Welborn, Jr.	Spartanburg, SC

**MASTER OF ARTS****Economics**

Prateek Goorha	Bhopal, India
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**MASTER OF SCIENCE****Applied Psychology**

Marcus Edward King	Anderson, SC	Brandy Leigh Watson	Bossier City, LA
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**Applied Sociology**

Sonya Takia Henley	Saluda, SC	Jennifer Amy Schultheis	Blue Point, NY
Richard Matthew Kivior	Hickory, NC		

**Industrial Management**

Gokhan Ozdemir	Ankara, Turkey	Rhotarus Olitia Rice	Columbia, SC
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**COLLEGE OF ENGINEERING AND SCIENCE****MASTER OF ENGINEERING****Ceramic Engineering**

Jeffrey Christian Anderson	Allison Park, PA
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**Electrical Engineering**

Curtis Andrew Dalton	Columbus, OH	David Ernest Walder	Columbus, OH
Warren Scott Page	Raymond, NH	Linda Pauline Wheeler	Columbus, OH
Jon Noah Seibel	North Bay, Ontario	Lawrence Wilson	Lithonia, GA

**Environmental Engineering and Science**

Dean Alan Sawyer	Mauldin, SC
------------------	-------------

**MASTER OF SCIENCE****Bioengineering**

Paul Daniel Amarant	North Miami Beach, FL	Clark Rutherford Dickerson	St Leonard, MD
Rebecca Anne Caldwell	Aiken, SC	Joseph Brent Knight	Huntsville, AL
Peter Michael Cannell	Annapolis, MD	Bradford Graydon Toulmin	Atlanta, GA

**Chemistry**

Stewart Peden Curry	Marion, SC	Clifford Wayne Padgett	Cowpens, SC
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**Civil Engineering**

Ashwin Arvind Agate	Pune, India	Ali Asim Qizilbash	Sebastian, FL
Theodore Martin Boecher	Abingdon, MD	Shams E. Riffat	Bangladesh, India
Andrew Kenneth Kennedy	Virginia Beach, VA	Thomas Scott White	Spartanburg, SC
Charles Earle Kennedy	Pinopolis, SC		

**Computer Engineering**

Irene Ester Collado Di Nubila	Cuenca, Spain	Padmashri Sugavanathan	Madras, India
Scott Patrick McMillan	Augusta, GA		

**Computer Science**

Ishraq Mohammed Ahmed	Visakhapatnam, India	Rajeshkumar Kanayal Sahetiya	Bombay, India
Pushkar Balkrishna Deshmukh	Pune, India	Karl Stanley Self	Fairhope, AL
Min Jiang	Jiang Xi, China	Brent Adam Shelly	Telford, PA
Gregory Michael Kesden	Norcross, GA	Denise Eileen Shoup	Greenville, SC
Anthony Orapallo III	Philadelphia, PA	Subbulakshmi Sundararaman	Tamilnadu, India
Tushar Deepak Pandit	Bombay, India		

**Electrical Engineering**

Roman Joseph Bednarek	Syracuse, NY	Ann Marie Ramos	Laredo, TX
Lee Ward Collins	Chatham, VA	Saiyue Yu	Zhejiang, China
Mark Adriaan Kwist	Summerville, SC	Jinlin Zhang	Hebei, China

**MASTER OF PROFESSIONAL ACCOUNTANCY**

David Lawrence Alexander	Anderson, SC	Karen Lee Hoover	Hanahan, SC
Jason Travis Bayne	Greer, SC	Velislav Kirilov Iltchev	Sofia, Bulgaria
Jason E. Causey	Wheeling, WV	Matthew David Lee	Marietta, GA
Rebecca Louise Comer	Houston, TX	Charles Arthur Tegen	Central, SC
Kathryn Elizabeth Craig	Mt Pleasant, SC		

**MASTER OF PUBLIC ADMINISTRATION**(Master of Public Administration is jointly administered by  
Clemson University and the University of South Carolina.)

Mark Daniel Colburn	Naples, FL	Alma Waddell Miller	Spartanburg , SC
David Michael Collins, Jr.	Landrum, SC	Robert M. Welborn, Jr.	Spartanburg, SC

**MASTER OF ARTS****Economics**

Prateek Goorha	Bhopal, India
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**MASTER OF SCIENCE****Applied Psychology**

Marcus Edward King	Anderson, SC	Brandy Leigh Watson	Bossier City, LA
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**Applied Sociology**

Sonya Takia Henley	Saluda, SC	Jennifer Amy Schultheis	Blue Point, NY
Richard Matthew Kivior	Hickory, NC		

**Industrial Management**

Gokhan Ozdemir	Ankara, Turkey	Rhotarus Olitia Rice	Columbia, SC
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**COLLEGE OF ENGINEERING AND SCIENCE****MASTER OF ENGINEERING****Ceramic Engineering**

Jeffrey Christ ian Anderson	Allison Park, PA
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**Electrical Engineering**

Curtis Andrew Dalton	Columbus, OH	David Ernest Walder	Columbus, OH
Warren Scott Page	Raymond, NH	Linda Pauline Wheeler	Columbus, OH
Jon Noah Seibel	North Bay, Ontario	Lawrence Wilson	Lithonia, GA

**Environmental Engineering and Science**

Dean Alan Sawyer	Mauldin, SC
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**MASTER OF SCIENCE****Bioengineering**

Paul Daniel Amarant	North Miami Beach, FL	Clark Rutherford Dickerson	St Leonard, MD
Rebecca Anne Caldwell	Aiken, SC	Joseph Brent Knight	Huntsville, AL
Peter Michael Cannell	Annapolis, MD	Bradford Graydon Toulmin	Atlanta, GA

**Chemistry**

Stewart Peden Curry	Marion, SC	Clifford Wayne Padgett	Cowpens, SC
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**Civil Engineering**

Ashwin Arvind Agate	Pune, India	Ali Asim Qizilbash	Sebastian, FL
Theodore Martin Boecher	Abingdon, MD	Shams E. Rifat	Bangladesh, India
Andrew Kenneth Kennedy	Virginia Beach, VA	Thomas Scott White	Spartanburg, SC
Charles Earle Kennedy	Pinopolis, SC		

**Computer Engineering**

Irene Ester Collado Di Nubila	Cuenca, Spain	Padmashri Sugavanathan	Madras, India
Scott Patrick McMillan	Augusta, GA		

**Computer Science**

Ishraq Mohammed Ahmed	Visakhapatnam, India	Rajeshkumar Kanayalal Sahetiya	Bombay, India
Pushkar Balkrishna Deshmukh	Pune, India	Karl Stanley Self	Fairhope, AL
Min Jiang	Jiang Xi, China	Brent Adam Shelly	Telford, PA
Gregory Michael Kesden	Norcross, GA	Denise Eileen Shoup	Greenville, SC
Anthony Orapallo III	Philadelphia, PA	Subbulakshmi Sundararaman	Tamilnadu, India
Tushar Deepak Pandit	Bombay, India		

**Electrical Engineering**

Roman Joseph Bednarek	Syracuse, NY	Ann Marie Ramos	Laredo, TX
Lee Ward Collins	Chatham, VA	Saiyue Yu	Zhejiang, China
Mark Adriaan Kwist	Summerville, SC	Jinlin Zhang	Hebei, China

**Engineering Mechanics**  
Prabhu Bharathan \_\_\_\_\_ Clemson, SC

**Environmental Engineering and Science**  
Kim-Lee Murphy \_\_\_\_\_ Wallingford, CT Amy Hart Ringberg \_\_\_\_\_ Chittenango, NY  
Robert William Popelka \_\_\_\_\_ Mt Pleasant, SC Jennifer Ann Rubrake \_\_\_\_\_ Warren, OH  
Maisha Nneka Richard \_\_\_\_\_ New Orleans, LA Krista Berry Shurtz \_\_\_\_\_ Shawnee, KS

**Industrial Engineering**  
Guillaume Michael Liebhold \_\_\_\_\_ Le Chateau D'Olonne, France Subodh Sunderlal Shiohare \_\_\_\_\_ Nagpur, India  
George McLeland Nickles III \_\_\_\_\_ Greenville, SC

**Mathematical Sciences**  
Jirapha Limbupasiriporn \_\_\_\_\_ Nakhon-Pathom, Thailand Victoria Ivanova Pashova \_\_\_\_\_ Bourgas, Bulgaria

**Mechanical Engineering**  
Manuel J. Daskalos \_\_\_\_\_ Charleston, WV Matthew Craig Rice \_\_\_\_\_ Rock Hill, SC  
Jeffrey Daniel Ferguson \_\_\_\_\_ Sumter, SC James Bryan Taliaferro \_\_\_\_\_ Laneview, VA  
Subhadeep Gan \_\_\_\_\_ Calcutta, India Yuhuan Tong \_\_\_\_\_ Nanjin, China  
Mingjie Lin \_\_\_\_\_ Ma'anhang, China Jiong Wang \_\_\_\_\_ Ningxia, China  
Edward Lee McGrath \_\_\_\_\_ Easley, SC

**Physics**  
Donna Jane Mullenax \_\_\_\_\_ Horse Shoe Run, WV Amy Liann Pope \_\_\_\_\_ Seneca, SC  
Jeannette Marie Myers \_\_\_\_\_ Richfield, MN Jonathan Edwin Wrotny \_\_\_\_\_ North Little Rock, AR

**Textile Chemistry**  
Lili Ding \_\_\_\_\_ Zhejiang, China

**Textile Science**  
Wei Tian \_\_\_\_\_ Nanjing, China

**COLLEGE OF HEALTH, EDUCATION, AND HUMAN DEVELOPMENT**

**EDUCATION SPECIALIST**

**Administration and Supervision**  
Faye Elizabeth Allen \_\_\_\_\_ Bowersville, GA Virginia Ann Sanders Skelton \_\_\_\_\_ Hartwell, GA  
Annette Christian Sayles \_\_\_\_\_ Athens, GA

**MASTER OF HUMAN RESOURCE DEVELOPMENT**  
Serita Wakefield Acker \_\_\_\_\_ Anderson, SC Julia Lee McBride \_\_\_\_\_ Walhalla, SC  
J. Michael Bonnette \_\_\_\_\_ Lugoff, SC Jodie Hart Nicholson \_\_\_\_\_ Greenwood, SC  
Teresa A. Brookshire \_\_\_\_\_ Mountain City, TN Ashley Claire Prickett \_\_\_\_\_ St Matthews, SC  
Ellen Harper Burriss \_\_\_\_\_ Belton, SC Mani Wallace Reed \_\_\_\_\_ Spartanburg, SC  
Linda Louise Butler \_\_\_\_\_ Clemson, SC Alla H. Sifuentes \_\_\_\_\_ Moscow, Russia  
April Lynn Eller \_\_\_\_\_ Long Creek, SC Diane C. Stanton \_\_\_\_\_ Seneca, SC  
Dawn Marie Foltz \_\_\_\_\_ Greenville, SC Lisa Michelle Stone \_\_\_\_\_ Central, SC  
Jennifer Ann Gillespie \_\_\_\_\_ Greenville, SC Judie E. Ulsh \_\_\_\_\_ Greenville, SC  
Michael Robert Hawkins \_\_\_\_\_ Anderson, SC Jason Scott Walter \_\_\_\_\_ Simpsonville, SC  
Babette Bouvier Jones \_\_\_\_\_ Greer, SC Trina La'Toyia Wilson \_\_\_\_\_ Dalzell, SC  
Marilyn Sue Jordan \_\_\_\_\_ Simpsonville, SC Jennifer Yeargin-Bush \_\_\_\_\_ Simpsonville, SC  
Doris Lynnette Lee \_\_\_\_\_ Anderson, SC

**MASTER OF INDUSTRIAL EDUCATION**  
John Kevin Atchley \_\_\_\_\_ Pauline, SC Kern Thomas Cox \_\_\_\_\_ Bennettsville, SC  
Elizabeth A. Buege \_\_\_\_\_ Madison, WI Scott R. Schoenwiesner \_\_\_\_\_ Little Silver, NJ  
Sarah Heath Cooke \_\_\_\_\_ Warwick, NY Joseph Graham White \_\_\_\_\_ Berea, KY  
Jeffery Lynn Corley \_\_\_\_\_ Columbia, SC

**MASTER OF EDUCATION**

**Administration and Supervision**  
Joyce Michelle Beatty \_\_\_\_\_ Seneca, SC Catherine Ann Martin Latiff \_\_\_\_\_ Columbia, SC  
Aaron Boyles \_\_\_\_\_ Easley, SC Leslie Ann Lollis \_\_\_\_\_ Greenville, SC  
Traci Taylor Boyles \_\_\_\_\_ Easley, SC John Mark McCall \_\_\_\_\_ Pelzer, SC  
Terrance Henry Bradley \_\_\_\_\_ Lexington, SC Jay Bradley McJunkin \_\_\_\_\_ Liberty, SC  
Howard Fife Campbell, Jr. \_\_\_\_\_ Philadelphia, PA Janet T. Mills \_\_\_\_\_ Pendleton, SC  
Melissa Odum Cole \_\_\_\_\_ Columbia, SC Brenda Lamb Richardson \_\_\_\_\_ Clinton, SC  
Phyllis Myles Gaines \_\_\_\_\_ Honea Path, SC Margaret H. Spivey \_\_\_\_\_ Anderson, SC  
Sarah Doran Hooks \_\_\_\_\_ Anderson, SC Page Hucks Wofford \_\_\_\_\_ Pinopolis, SC

**Counseling and Guidance Services**

Carol Ann Burns	Laurens, SC	Tonya Renee Johnson	Piedmont, SC
Lois W. Capps	Easley, SC	Kimberly Seaford Kunz	Easley, SC
Christine Frances Chatellier	Summerville, SC	Linda Harper Mattern	Greenville, SC
Pamela Propes Childers	Easley, SC	Tricia Nalepa Mayer	Anderson, SC
Judy Cochran Coble	Simpsonville, SC	Kevin Joseph McSloy	Easley, SC
John Preston Darby, Jr.	Seneca, SC	Kristi Faye Padgett	Easley, SC
Kenyon Dion Foster	Spartanburg, SC	Elbert Mackenzie Shell	Laurens, SC
Jennifer Lyn Halliwell	Columbia, SC	Ann M. Sistare	Pickens, SC
Wendy Michelle Hamilton	Fort Mill, SC	Cory O. Williams	Anderson, SC
Lemario B. Jackson	Conway, SC		

**Elementary Education**

Denise T. Cothran	Piedmont, SC	Gary Ruehl Mohr, Jr.	Pendleton, SC
Gwendolyn McCurry Duncan	West Union, SC	Julia Beth Nicholson	Westminster, SC
Rebecca Michelle Grant	Seneca, SC	Barbara Wimphrie	Laurens, SC

**Reading**

Kristin Lee Lane	Seneca, SC	Staci Steadman Stein	Anderson, SC
Moriah S. Larson	Central, SC	Michelle LeMay Woosley	Easley, SC

**Secondary Education**

Laura Christine Bellum	Darlington, SC	Amanda Gail King	Easley, SC
Faith Elizabeth Bruner	Clemson, SC	Randall Dean Newton	Donalds, SC
Yolanda Michelle Harrison	Greenville, SC	Brian Glenn Owens	Anderson, SC
Karen Cheryl Hildebrand	Seneca, SC	Alison Evans Rainey	Starr, SC

**Special Education**

Leslie Marie Barnes	Irmo, SC	Angela Michelle Wilson Phillips	Williamston, SC
Cassie Serdeast Cagle	Aiken, SC	Erica Heather Scheffler	Acworth, GA
Tonya Necholle Gray	Hemingway, SC	Karla Mae Schultz	Easley, SC
Jennifer Renee Hays	Ringgold, GA	Kristin Allison Willis	Syracuse, NY
Shaley D. Klepfer	Greenwood, SC	Tracey Anne Wolf	Simpsonville, SC
Beth Ann Murphy	Bellevue, WA		

**MASTER OF SCIENCE****Nursing**

Yolanda Yvette Levy	Fort Mill, SC	Linda Lorraine Williams	Greenwood, SC
Sara Lynn Wallenius	Seneca, SC		

**Parks, Recreation, and Tourism Management**

Mark Daniel Colburn	Naples, FL	Stephen Daniel Ross	Granby, CT
Thomas Keith Dismukes	Spartanburg, SC		

# CANDIDATES FOR THE BACHELOR'S DEGREE

## COLLEGE OF AGRICULTURE, FORESTRY, AND LIFE SCIENCES

WILLIAM BUSSE WEHRENBERG, Dean

### BACHELOR OF ARTS

Biological Sciences  
Carmel, IN Jennifer Anne Smith \_\_\_\_\_ Gilbert, SC  
\*\*Tracey Elaine McCarroll \_\_\_\_\_

### BACHELOR OF SCIENCE

Animal Industries  
Jason Conrad Fleck \_\_\_\_\_ Lugoff, SC Mollie Susan Richardson \_\_\_\_\_ Newberry, SC

Aquaculture, Fisheries, and Wildlife Biology  
\*John Raymond Boyd \_\_\_\_\_ Winchester, TN William Addison Stuckey III \_\_\_\_\_ Sumter, SC  
Patricia Lea Brueggeman \_\_\_\_\_ Longwood, FL

### Biochemistry

\*\*Marian Calhoun Bryan \_\_\_\_\_ Edisto Island, SC \*\*Brad Eric Hollister \_\_\_\_\_ Greenville, SC

### Biological Sciences

\*Rachel Marguerite Barker \_\_\_\_\_ Charleston, SC Kelly Marie Phillips \_\_\_\_\_ Barnwell, SC  
Dawn Pele Brackrog \_\_\_\_\_ Las Vegas, NV \*Caroline Atkins Porter \_\_\_\_\_ Mt Pleasant, SC  
Elizabeth Ashley Earl \_\_\_\_\_ Greenville, SC Jennifer Ann Schepp \_\_\_\_\_ Columbia, SC  
Jennifer Marie Nocito \_\_\_\_\_ Deltona, FL Darrell Lamont Shuler \_\_\_\_\_ St Matthews, SC

### Forest Resource Management

Michael Andrew Bozard \_\_\_\_\_ Easley, SC Phillip Kevin Poore \_\_\_\_\_ Belton, SC  
James Samuel Brown \_\_\_\_\_ Anderson, SC Alicia Kay Wood \_\_\_\_\_ Roebuck, SC  
Jamie Michelle Browning \_\_\_\_\_ Greenville, SC

### Horticulture

Thomas Jefferson Dossett III \_\_\_\_\_ Summerville, SC Alphred Blade Waldrop \_\_\_\_\_ Greenville, SC  
Mary Kathryn Doyle \_\_\_\_\_ Havertown, PA \*William Matthew Wisenbaker \_\_\_\_\_ Germantown, MD  
Blaire Lateia Nicole Elam \_\_\_\_\_ Montgomery, TX

### Microbiology

Heather Leigh Erek \_\_\_\_\_ Naples, FL Andrea Lucia Patterson \_\_\_\_\_ Antreville, SC  
Daniel Wallace Fitts \_\_\_\_\_ Columbia, SC Cynthia Ritter \_\_\_\_\_ Olar, SC  
Kelly Annette Guinn \_\_\_\_\_ Edgemoor, SC Christopher Alan Sasaki \_\_\_\_\_ Seneca, SC  
David Chakeris Henry \_\_\_\_\_ Abbeville, SC Kenta Antron Stokes \_\_\_\_\_ Greenville, SC  
Lori Michelle Lomax \_\_\_\_\_ Greenville, SC

### Packaging Science

Kimberly Michelle Swint \_\_\_\_\_ Charleston, SC

### Pre-professional Studies

\*\*\*Holly Brooke Gibson \_\_\_\_\_ Gaffney, SC

## COLLEGE OF ARCHITECTURE, ARTS, AND HUMANITIES

JAMES FRAZIER BARKER, Dean

### BACHELOR OF FINE ARTS

\*Kelly Noelle Bengier \_\_\_\_\_ Orlando, FL \*Dennis Lamar Stevens, Jr. \_\_\_\_\_ Spartanburg, SC  
\*\*Jennifer Dawn Autry Chappell \_\_\_\_\_ Easley, SC \*Fredrick Melton Taylor III \_\_\_\_\_ Tampa, FL

### BACHELOR OF LANDSCAPE ARCHITECTURE

Garth Alexander Castle \_\_\_\_\_ Frederick, MD Jason Lambert Crossway \_\_\_\_\_ Beaufort, SC  
Steven Austin Charlton \_\_\_\_\_ Irmo, SC \*Penelope Britton Saulnier \_\_\_\_\_ Greenville, SC

### BACHELOR OF ARTS

#### Design

Allison Lynn Couick \_\_\_\_\_ Rock Hill, SC \*Charles David Diehl \_\_\_\_\_ Clemson, SC  
Daniel Ryan Culbertson \_\_\_\_\_ Greenville, SC Catherine Lourisa Earls Frischknecht \_\_\_\_\_ Blacksburg, SC

#### English

Sheneka M. Black \_\_\_\_\_ San Diego, CA \*\*Sarah Catherine Rees \_\_\_\_\_ Bowie, MD  
Amy Helen Farrell \_\_\_\_\_ Simpsonville, SC Autumn Rae Sam \_\_\_\_\_ Norcross, GA  
James Edgar Moody III \_\_\_\_\_ Greenville, SC Ronald Edward Trescot, Jr. \_\_\_\_\_ Spring Grove, PA  
Anthony Jon Narducci \_\_\_\_\_ Los Gatos, CA Lagina Patrice Wade \_\_\_\_\_ Spartanburg, SC  
Taylor Marie Pelick \_\_\_\_\_ Stone Mountain, GA

### History

Taylor Milynn Bridges \_\_\_\_\_ Easley, SC  
Howard Richmond Brown II \_\_\_\_\_ Jasper, AL  
Nancy Melinda Ladson \_\_\_\_\_ Georgetown, SC  
Jacob William Mellin \_\_\_\_\_ Columbia, SC

### Language and International Trade

Stefan Bendfeldt \_\_\_\_\_ Guatemala City, Guatemala  
Jonathan Britton Larkby \_\_\_\_\_ Hilton Head Island, SC  
Amy Elizabeth McLeod \_\_\_\_\_ Ormond Beach, FL  
\*Zaneta Tiana Mowatt \_\_\_\_\_ Charleston, SC  
Heidi H. Schoepf \_\_\_\_\_ Pequannock, NJ  
Delores Ann Teaford \_\_\_\_\_ Lexington, VA

### Philosophy

Nathan Wade Masters \_\_\_\_\_ Easley, SC

### Speech and Communication Studies

Gregory John Jawski \_\_\_\_\_ Port Washington, NY  
\*Melanie Ann Klass \_\_\_\_\_ Pittsford, NY  
Michael Wayne Milchin \_\_\_\_\_ Vero Beach, FL  
\*Kristen Sheh Nivica \_\_\_\_\_ Bridgewater, MA  
Allison Ann Sevems \_\_\_\_\_ Fort Lauderdale, FL

### DOUBLE MAJOR

#### English and History

Brianne Colleen McCarthy \_\_\_\_\_ Newark, DE

### BACHELOR OF SCIENCE

#### Construction Science and Management

\*Graydon Wardell Jackson III \_\_\_\_\_ Sumter, SC  
Jennifer Lynn Reese \_\_\_\_\_ Rock Hill, SC  
Cordes Clifford Towles \_\_\_\_\_ Mt Pleasant, SC

#### Design

Angela Helen Avildsen \_\_\_\_\_ St Matthews, SC  
Miles Stokely Bowman \_\_\_\_\_ Summerville, SC  
Matthew Hayslip Cantrell \_\_\_\_\_ Augsburg, Germany  
Luke Zeigler Jarrett \_\_\_\_\_ Myrtle Beach, SC  
Boudewyn Willem Laterveer, Jr. \_\_\_\_\_ Atlanta, GA  
Bradley Bonner McDermott \_\_\_\_\_ North Augusta, SC  
Gregory L. McQueen \_\_\_\_\_ Bennettsville, SC  
Jamie Dawn Minick \_\_\_\_\_ Saluda, SC  
\*\*Thomas Orion Parham \_\_\_\_\_ Florence, SC  
Kevin Cecil Shokes \_\_\_\_\_ Charleston, SC

### COLLEGE OF BUSINESS AND PUBLIC AFFAIRS

JERRY EUGENE TRAPNELL, Dean

### BACHELOR OF ARTS

#### Economics

Amita Joshi \_\_\_\_\_ Anderson, SC

#### Political Science

Mark Day Douglas \_\_\_\_\_ Beaufort, SC  
Jo Ellen Gawronski \_\_\_\_\_ Blythewood, SC  
Tony Lamont Johnson \_\_\_\_\_ Perry, FL  
Crystal Culler Selfridge \_\_\_\_\_ Easley, SC  
Jason D. Wallace \_\_\_\_\_ Clemson, SC

#### Psychology

Shelly Denise Hannon \_\_\_\_\_ Taylors, SC  
Amy Elizabeth Higgs \_\_\_\_\_ Fairfax, VA  
Amy Lee Hook \_\_\_\_\_ Columbia, SC  
Jeffrey Shane Hunt \_\_\_\_\_ Wichita Falls, TX  
Katherine Anne Lowry \_\_\_\_\_ Terrace Park, OH  
Dana Lynn Marangelli \_\_\_\_\_ Yaphank, NY  
\*\*Donald Patrick Sullivan \_\_\_\_\_ Pageland, SC

#### Sociology

\*Robert Cleo Hayes, Jr. \_\_\_\_\_ Easley, SC  
Jenaii Dawkins Miranda \_\_\_\_\_ Sumter, SC  
Dexter Fitzgerald Stowers \_\_\_\_\_ Westfield, NJ  
Kimberly Lynn Zachar \_\_\_\_\_ Palm City, FL

### DOUBLE MAJOR

#### Psychology and Sociology

\*\*\*Brandi Marie Slaton \_\_\_\_\_ Anderson, SC  
Brent Sandor Ur \_\_\_\_\_ Greenville, SC

### BACHELOR OF SCIENCE

#### Accounting

Stephanie Kimyatta Anderson \_\_\_\_\_ Columbia, SC  
Devin O. Clouden \_\_\_\_\_ Buffalo, NY  
John Reginald Latimer \_\_\_\_\_ Belton, SC  
Amanda Jaylen Lenoci \_\_\_\_\_ Silver Spring, MD  
\*Magda Vandermeer O'Dell \_\_\_\_\_ Weaverville, NC  
\*\*\*Erik Kristopher Otto \_\_\_\_\_ Shepherdston, WV  
Charmayne Reneta Rhodes \_\_\_\_\_ Stone Mountain, GA  
Kelly Austin Rife \_\_\_\_\_ Florence, SC  
Terrell James Singleton \_\_\_\_\_ Walhalla, SC  
Kendra Elaine Smith \_\_\_\_\_ Hemingway, SC  
Latorney R. Webb \_\_\_\_\_ Beaufort, SC  
Meridith McGee Welch \_\_\_\_\_ Anderson, SC  
Charles Harrison Yarber IV \_\_\_\_\_ Lexington, SC

#### Economics

Tik Kai Fu \_\_\_\_\_ Barnwell, SC  
Rachel LaBelle Graves \_\_\_\_\_ Brittons Neck, SC  
Paul M. Leverrier \_\_\_\_\_ Bethesda, MD  
Larki MacArthur Robinson \_\_\_\_\_ Ridgeway, SC

**Financial Management**

Ryan Thomas Ballard	Woodruff, SC	Jason Ryan Scheibel	Trumbull, CT
+*Kevin Joseph Citron	West Windsor, NJ	Janine Michele Sheridan	Marlboro, NJ
*Scott Edwin Gregory	Spartanburg, SC	Caroline Siau Smith	Darlington, SC
Kostas Jeffrey Ioannidis	Charleston, SC	Michael Albert Todd	Aiken, SC
Travoi Eugene Jenkins	Charleston, SC	Neeraj Walia	Taylors, SC
Linda Jill Josey	Anderson, SC	Emily Roxanne Webb	Waterloo, SC
Carter Anthony Martling	Great Falls, VA	Christina Emily Wester	Beaufort, SC
Allison Kristine Russell	Cordova, TN	Jeff Scott Zacapa	Tegucigalpa, Honduras

**Graphic Communications**

Kasey Lynn Carden	Aiken, SC	Robyn Lungermann	Old Bridge, NJ
Eric Ryan Ferguson	Toccoa, GA	Sara Alice Porter	Aiken, SC
Traci Elizabeth Hunter	Anderson, SC	Jennifer Helen Smith	Mt Pleasant, SC
**Stephanie Jan Isbill	Lawrenceville, GA		

**Industrial Management**

Timothy Ralph Crisp	Rock Hill, SC	Jeffrey Michael Jones	Anderson, SC
Dewey William Dorsey, Jr.	Anderson, SC	Hiroshi Kanno	Iwate-Ken, Japan
Walter Jerome Foster III	Columbia, SC		

**Management**

Thomas Gregg Anderson	Greenville, SC	Richard Lucas Lawall	Charleston, SC
Thomas K. Bratcher	Nashville, TN	William Frank Manus, Jr.	Atlanta, GA
Danny Dwayne Church	Dillon, SC	Michelle Watkins Niinobe	Clemson, SC
David Christopher Grendysz	Burke, VA	*Robert Allen Ruth	Harrisburg, PA
James Orlando Herbert, Jr.	Anderson, SC	Michael James Spradlin	Lexington, SC
Leslie Milling James	Columbia, SC	Darren Michael Streets	Fairfax, VA
Samantha Joan Knight	Duluth, GA	Troy Matthew Thompson	Columbia, SC

**Marketing**

Kristen Carol Baker	Powdersville, SC	Richard Travis Macklin	Pittsburgh, PA
Charlotte Hawkins Bolton	Fort Lauderdale, FL	*Tiffany Felise Metzger	Columbia, SC
James Edward Board	Easley, SC	*Carrol Lynn Mills	Mauldin, SC
Kevin Terence Bulla	North Babylon, NY	Gabriela Perez	Quito, Ecuador
Victoria Lollis Campbell	Williamston, SC	*Kimberly Erin Rauch	Sumter, SC
Jamie Lyn Derrick	Irmo, SC	Regina Denis Redfearn	Wallace, SC
Joseph Robert Dorsett	Pennington, NJ	Ashley Catherine Rice	Clinton, SC
Shannon Leigh Doyle	Greenville, SC	Hunter Leigh Robinson	Charlotte, NC
Jeremiah Beau Graham	New Hope, PA	Jennifer Mehera Rubin	Myrtle Beach, SC
Jackie Louise Green	Westminster, SC	Lisa Marie Sears	Simsbury, CT
Jason Michael Howell	Spartanburg, SC	Scott Andrew Seitz	Springfield, OH
Daniel Carl Jackson IV	Florence, SC	Tal David Slann	Clemson, SC
Mark Lewis Jackson	Lyman, SC	Matthew Stanchek	Watkinsville, GA
Anthony Charles Kalka	Greenville, SC	Joseph Scott Thompson	Rock Hill, SC
John Sun Kim	Greenville, SC	Jennifer Lynn Ward	Livonia, NY
Bruce Li	West Hempstead, NY	Julie Anne Wharton	Greenville, SC

**Psychology**

*Heather Suzanne Burgess	Mauldin, SC	*Julia Lee Hay	Myrtle Beach, SC
John Turner Childress	Piedmont, SC	+**Keith Andrew May	Greenville, SC
Justin Jeffrey Dowd	Irmo, SC	**Amanda Dean Moss	Anderson, SC
+**Emma Elizabeth Harris	Brussels, Belgium	+***Melissa Lynn Newman	Edgefield, SC

**Sociology**

Catherine-Anne Cox Clardy	Galivants Ferry, SC	Jennifer Hope Davis	Beech Island, SC
Nancy Catherine Cromer	Anderson, SC	Sarah Melissa Krewson	Anmandale, VA

**COLLEGE OF ENGINEERING AND SCIENCE**

THOMAS MICHAEL KEINATH, Dean

**BACHELOR OF ARTS****Computer Science**

Matt Lee Herbert \_\_\_\_\_ Arlington, TX

**Geology**

Michael Dale May, Jr. \_\_\_\_\_ Aiken, SC

**BACHELOR OF SCIENCE****Biosystems Engineering**

Carl Thomas Andersen	Clover, SC	Gregory Scott Mitchell	Belton, SC
Michael Douglas Burns	Greenville, SC		

**Chemical Engineering**

\*\*Jason Lewis Adams \_\_\_\_\_ Summerville, SC William Edwin Willis \_\_\_\_\_ Rock Hill, SC  
 William George Paine \_\_\_\_\_ Hartsville, SC

**Chemistry**

\*\*Marian Calhoun Bryan \_\_\_\_\_ Edisto Island, SC Brandon Michael Shealy \_\_\_\_\_ Prosperity, SC  
 Jason Elliott Mullins \_\_\_\_\_ Columbia, SC Demetrius O. Simmons \_\_\_\_\_ McClellanville, SC

**Civil Engineering**

Terance Miquel Brooks \_\_\_\_\_ Myrtle Beach, SC \*Kevin Stanley Hinde \_\_\_\_\_ Indian Trail, NC  
 John David Cox, Jr. \_\_\_\_\_ Easley, SC Jason Eric Simpson \_\_\_\_\_ Iva, SC  
 Stuart Matthew Fuller \_\_\_\_\_ Florence, SC Janeen Marie Smith \_\_\_\_\_ Grafton, MA  
 Melissa Beth Henkel \_\_\_\_\_ Imperial, PA Howard Benjamin Vinson \_\_\_\_\_ Manning, SC

**Computer Engineering**

Douglas Allen Binenti \_\_\_\_\_ Mt Vernon, NY Shayla Monee Williams \_\_\_\_\_ Bennettsville, SC  
 \*\*Krista Marie Chenoweth \_\_\_\_\_ Watkinsville, GA

**Computer Information Systems**

James Chandler Felder III \_\_\_\_\_ Sumter, SC John Andrew Trice \_\_\_\_\_ Seneca, SC  
 \*Anthony Adam Jones \_\_\_\_\_ Greenville, SC \*\*\*Kelly Sue Vollrath \_\_\_\_\_ Anderson, SC

**Computer Science**

Patrick Jon Antonio \_\_\_\_\_ Goose Creek, SC \*Megan Lynne Murphy \_\_\_\_\_ Woodbury Heights, NJ  
 Marc Henry Bryant \_\_\_\_\_ Echirolles, France Huyngan Phan Nguyen \_\_\_\_\_ Taylors, SC  
 Scot Franklin Cole \_\_\_\_\_ Atlanta, GA Wiley Chester Wimberly, Jr. \_\_\_\_\_ Greenville, SC  
 Matthew Robert Hubley \_\_\_\_\_ Dover, PA

**Electrical Engineering**

Larry James Allen II \_\_\_\_\_ Columbia, SC Christopher Norman Prosser \_\_\_\_\_ Charleston, SC  
 Chung-Chang Chiu \_\_\_\_\_ Fort Mill, SC \*\*\*Jennifer Lynn van der Horst \_\_\_\_\_ Myrtle Beach, SC  
 +\*Edward Francis McDonough \_\_\_\_\_ Tampa, FL \*\*\*Nathan Travis Youell \_\_\_\_\_ North Augusta, SC

**Geology**

George Douglas Adams \_\_\_\_\_ Belton, SC Lynn Jenkins Hendrix \_\_\_\_\_ Whitmire, SC  
 Graham Carl Bradner \_\_\_\_\_ Fort Mill, SC

**Industrial Engineering**

William Duncan Bradshaw, Jr. \_\_\_\_\_ Chapin, SC Chia Sheng Lin \_\_\_\_\_ Taipei, Taiwan  
 Kimberley Michelle Bryson \_\_\_\_\_ Aiken, SC John McCarley Woods \_\_\_\_\_ Greenville, SC

**Mathematical Sciences**

Mark Jason Albert \_\_\_\_\_ Anderson, SC +\*\*\*Diane Elizabeth Harrold \_\_\_\_\_ Hartsville, SC  
 Chi Wing Chan \_\_\_\_\_ Clemson, SC

**Mechanical Engineering**

\*Jeffrey George Hoyt Butler \_\_\_\_\_ Conway, SC Adam Todd Gramling \_\_\_\_\_ Orangeburg, SC  
 William Edward Cheek, Jr. \_\_\_\_\_ Charlotte, NC Daniel Paul Thompson \_\_\_\_\_ Greer, SC  
 Stefan Oliver Forbes \_\_\_\_\_ Mt Pleasant, SC John David Williams \_\_\_\_\_ Anderson, SC

**Physics**

Daniel Summers Busch \_\_\_\_\_ Walhalla, SC

**Textile Chemistry**

Ryan Anthony Wentworth \_\_\_\_\_ Anderson, SC

**Textile Management**

Jada Charlene Banks \_\_\_\_\_ Mangham, LA Vincent Pascal Decabooter \_\_\_\_\_ Anderson, SC  
 Denise Brooks \_\_\_\_\_ St George, SC Mohammad Osman \_\_\_\_\_ Huddersfield, United Kingdom

**Textile Science**

Muhammad Ifrahim \_\_\_\_\_ Clemson, SC Muhammad Shazib Shehzad \_\_\_\_\_ Karachi, Pakistan  
 Babar Hussain Kizilbash \_\_\_\_\_ Karachi, Pakistan

**COLLEGE OF HEALTH, EDUCATION, AND HUMAN DEVELOPMENT****HAROLD ERNEST CHEATHAM, DEAN****BACHELOR OF ARTS**

Caroline Lawton Maner \_\_\_\_\_ Columbia, SC Mary Ellen Middleton \_\_\_\_\_ Gaffney, SC

**Elementary Education**

\*Stacy Renee Davis \_\_\_\_\_ Walterboro, SC Beverly Anissa Schaffer \_\_\_\_\_ Hampton, SC  
 Robin Anderson Edwards \_\_\_\_\_ Easley, SC Alice M. Smith \_\_\_\_\_ Seneca, SC  
 Amelia Gervais Emanuel \_\_\_\_\_ Clemson, SC \*LaShawn N. Watson \_\_\_\_\_ Summerville, SC  
 \*\*Crystal Nicole Kimbrell \_\_\_\_\_ Santa Fe, TN Brook Ashlee Yates \_\_\_\_\_ Laurens, SC  
 Laurie Catherine Petillo \_\_\_\_\_ Long Valley, NJ

**Secondary Education**

Elmer Keith Bench, Jr.	Manning, SC	Jonathon Issac Pace	Six Mile, SC
Karen Elizabeth Bodigheimer	Altamonte Springs, FL	James Edwin Still	Greenwood, SC
Ja'Nell Bostick	Scotia, SC	Sean William Stockton	Rutherfordton, NC
Blake David DuBose	Greer, SC		

**Special Education**

Jinni Ann Adams	Spartanburg, SC	Amy Elizabeth Harper	Columbus, GA
Heather Renee Allsep	Walhalla, SC	Stephen Todd Hunnicutt	Clemson, SC
*Alice Mitchell Harper Campbell	Walhalla, SC	Heather Ann O'Flaherty	Dhahran, Saudi Arabia
Alleen Margaret Duyn	West Milford, NJ	**Christina Louise Walker	Los Angeles, CA
Sarah Rhunette Pym Franks	Powdersville, SC	Tanya Lee Wheeler	Andrews, SC

**BACHELOR OF SCIENCE****Health Science**

Jennifer Dougherty	Ramsey, NJ	Stephanie Michelle Schulz	St Louis, MO
Jennifer Lee Henderson	Central, SC	Kristen Alisha Stevenson	West Union, SC
Elisa Fitler Miot	Columbia, SC	Leslianne Swanson	Lake Ridge, VA
Wendy Yvonne Owens	Hillsville, VA	***Elizabeth Adams Tucker	Columbia, SC

**Industrial Education**

Mark Allen O'Shields	Taylors, SC
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**Mathematics Teaching**

Henry Franklin McCormack, Jr.	Bamberg, SC
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**Nursing**

Cristy Gail Bobo	Seneca, SC	***Teresa Sue Hudson	Perry, OH
Geoffrey Warren Dunklee	Stratford, VT		

**Parks, Recreation, and Tourism Management**

Scott Alan Ackerman	Hampton Bays, NY	*Agata Jankowska	Poznan, Poland
Anne Stevens Adams	Seneca, SC	Andrew Taylor Linn	Greer, SC
James Chadwick Alverson	Simpsonville, SC	Trude Lynn Molin	Seneca, SC
Elyse Barbara Angelo	Glastonbury, CT	Scott Craig Nelson	New Orleans, LA
Edwin F. Bailey	Summerville, SC	Jean Michelle Noren	Dunwoody, GA
Elizabeth Slade Batchelder	Taylors, SC	Holland Daniel Postell	Summerville, SC
Kelley Ann Brown	Greenville, SC	Jennifer Lynn Puckhaber	Anderson, SC
Michael Bradley Brown	Lexington, SC	Stephen Foster Rice	Seneca, SC
Paula M. Carpenter	North Augusta, SC	Robert William Schmitt	Wixom, MI
Amber Suzanne D'Alpe	Lexington, SC	Robert Austin Scott, Jr.	Okatie, SC
Carlos Demond Davis	Chester, SC	Elizabeth Brown Shuler	Kingtree, SC
Jeanette Michele Davis	Greeneville, TN	Kimberly Alice Sponsler	Walhalla, SC
Michael Legare Delaney	Orangeburg, SC	David Hartwell Stafford	Irmo, SC
Melvin David Fort, Jr.	Sumter, SC	Jennifer Ann Tapp	Greenville, SC
Catherine Newell Frank	Florence, SC	Bradley Matthew Turner	Roswell, GA
James Daniel Gambrell	Easley, SC	Christopher Bradley Woody	Pickens, SC
Wendy Rose Henson	Forest City, NC	Margaret Barton Zeigler	Sumter, SC
David Carson Herrin II	Clemson, SC		

**Pre-professional Studies**

*Katie Lynn Myers	Mt Pleasant, SC
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**Science Teaching**

Joshua Jude Burke	Rock Hill, SC
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\*Cum laude: A grade point ratio of 3.40 to 3.69

\*\*Magna cum laude: A grade point ratio of 3.70 to 3.89

\*\*\*Summa cum laude: A grade point ratio of 3.90 to 4.00

+Departmental Honors: The graduates so designated have completed an enriched program of study designed by their departments with the approval of the Calhoun College Honors Program. To earn Departmental Honors students must complete an honors thesis and/or other upper division honors courses, while maintaining an overall grade-point ratio of 3.40 or higher. Departmental Honors graduates appear in the line of march wearing the Calhoun College Honors Medallion on an orange and purple ribbon. This medallion is made possible by an endowment established by Mrs. Katherine Inabinet Vickery of Columbia, South Carolina, to honor the memory of her husband and Clemson graduate, the late B. C. Inabinet.

Students wearing the white stoles over their gowns are members of honorary societies that require a minimum 3.00 grade point ratio for membership. The stoles have the University seal embroidered on one side, and on the other side are the emblem(s) of honorary societies in which the student is a member.

**8/13/99**

# Graduation Exercises

*December 16, 1999*

*Clemson, South Carolina*



#### Congratulatory Applause

You are requested to refrain from loud expressions of pleasure for individual graduates. Such expressions frequently detract from the recognition due the next graduate in line. Your cooperation is respectfully requested.

# **Graduation**

**Thursday, December 16, 1999**

**11:00 a.m.**

**Littlejohn Coliseum**

## **ORDER OF CEREMONIES**

(Audience will please stand as faculty and candidates march in and remain standing for the invocation.)

### **Invocation**

Johannah Leigh Cornwell, Student Representative

### **Introduction of Trustees**

President James F. Barker

### **Conferring of Honorary Degrees**

President James F. Barker

### **Recognition of the Deans of the Colleges**

Vice President for Academic Affairs and Provost  
Steffen H. Rogers

### **Conferring of Degrees and Delivery of Diplomas**

President James F. Barker

### **Recognition and Presentation of Awards**

Class of '39 Award For Excellence  
Faculty Scholarship Award

Aurora Brass Quintet

Frank W. Breazeale, Organist

Kevin Davidson, Soloist

Dr. Bruce Yandle, University Marshal

## BOARD OF TRUSTEES

Lawrence M. Gressette, Jr., Chairman	Columbia
William C. Smith, Jr., Vice Chairman	Columbia
Bill L. Amick	Batesburg
J. J. Britton	Sumter
Leon J. Hendrix, Jr.	New York, NY
Harold D. Kingsmore	Aiken
Louis B. Lynn	Columbia
Patricia H. McAbee	Greenwood
Leslie G. McCraw	Greenville
E. Smyth McKissick III	Greenville
Thomas B. McTeer, Jr.	Columbia
Joseph D. Swann	Greenville
Allen P. Wood	Florence

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Louis P. Batson, Jr.	Greenville
Fletcher C. Derrick, Jr.	Charleston
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Paul W. McAlister	Laurens
Paul Quattlebaum, Jr.	Charleston
D. Leslie Tindal	Pinewood
James M. Waddell, Jr.	Columbia

### Executive Secretary to the Board of Trustees

J. Thornton Kirby

## ADMINISTRATIVE OFFICERS

James F. Barker	President
Steffen H. Rogers	Vice President for Academic Affairs and Provost
John Kelly	Vice President for Public Service and Agriculture
Neill Cameron	Vice President for Advancement
Almeda Jacks	Vice President for Student Affairs
Scott Ludlow	Chief Financial Officer
David Stalnaker	Executive Director of the Commission on the Future of Clemson and Assistant to the President



HONORARY DEGREE  
**SUSAN GOODWIN DELONY**  
DOCTOR OF HUMANITIES

Esteemed University leader for two decades, Susan Goodwin Delony was instrumental in defining the social and educational culture of today's Clemson University. The contributions she made to students, colleagues and the future of Clemson are immeasurable and resonate in the lives she personally touched and in those who never knew her but feel her impact today.

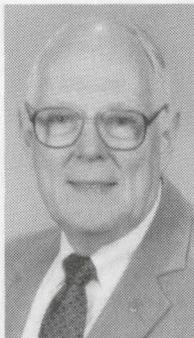
Dean Delony received her bachelor's degree in 1945 from Auburn University and her master's from Cornell University in 1951. She followed her formal education with summer studies at Michigan State and the Teachers College of Columbia University.

Her first appointment in Academe was as an instructor at the Woman's College of North Carolina, followed by assistant professorships at Montana State College and Auburn University. Dean Delony became the assistant dean of women at Auburn in 1957 and remained there until 1963 when she was hired as the first dean of women at Clemson. For 14 years, she served in this post and was later promoted to associate dean of students.

When Dean Delony joined Clemson's ranks, there was a great need for programs, opportunities and facilities for women. (They had been admitted to Clemson only years before, in 1955.) Dean Delony met this challenge with resolve and passion. During her tenure, she was instrumental in the formation and development of the Residence Hall Program for women and the Resident Assistant Program. In 1969, she brought national women's social fraternities to Clemson, establishing the foundation for the successful Greek Life the University enjoys today. She helped found Alpha Lambda Delta freshman honor society as well as Mortar Board. President Emeritus Walter Cox has called hiring Dean Delony "one of the best recommendations I made in my tenure at Clemson."

In addition to her achievements at the University, Dean Delony has provided outstanding service to her community. While enjoying retirement in her birthplace of Tuscumbia, Alabama, she retains active membership in her church and has served on a feasibility study for the Consolidation Committee of Tuscumbia. She is past president of the Maud Lindsay Study Club, volunteer of the Tennessee Valley Art Association Guild and has served and is currently on the Board of Friends of the Helen Keller Public Library.

Dean Delony has made it her life's work to establish a high standard of character and vision for all with whom she has contact. Her spirit pervades the campus each and every day the University thrives. It is with great honor and pleasure that we recognize this individual who truly made a difference in the lives of students and of this University during a critical time in its history. We hereby present Susan Goodwin Delony with the honorary Doctor of Humanities degree.



HONORARY DEGREE  
**ROBERT FRANCIS NOWACK**  
DOCTOR OF LAWS

As a teacher, adviser, friend, confidant, colleague and mentor, Robert Francis Nowack epitomizes excellence. For over 50 years, he has served Clemson University in numerous capacities—from the Clemson Little Theatre to the Social Committee of Clemson College to being a charter member of Omicron Delta Kappa. He has contributed not only to Clemson University, but to tens of thousands of students who now define the cultural, social and educational fabric of America.

Professor Bob Nowack, or P.B. as he is better known, received his bachelor's degree from Carnegie Mellon and a master's from the University of Pittsburgh. He also attended VPI for post-graduate work. He began teaching at Clemson on September 1, 1948, and has been here ever since.

Once referred to by President Emeritus Robert Edwards as "one of the truly great teachers in Clemson's first century of service to mankind," P.B. has served under seven of 14 presidents and has won virtually every award the University bestows. He was the first recipient of the Byars Award for Teaching Excellence in Engineering Mechanics and the Frank F. Burtner Award for Advising. He has been a member of the Order of Athena Chapter of Mortar Board National Honor Society, Tiger Brotherhood, Blue Key and Chi Epsilon. He's won the National Society of Professional Engineers Educator of the Year Award, Tau Beta Pi Eminent Engineer Award, Chi Epsilon Outstanding Teacher Award, Robert W. Moorman Award from Tiger Brotherhood, Algernon Sidney Sullivan Award and Master Teacher Award. In 1989 he was honored as an Alumni Distinguished Professor of Civil Engineering.

Although highly decorated by official honors and awards, P.B. is best known for his teaching style, his relationship with students, his ability to befriend and father. He's been known to spend five hours per day just talking with students in his office. He learns every student's name in his classes, so he builds a personal relationship with each one of them. There are thousands of students who are inspired by his wisdom and achieve beyond their hopes because of his encouragement. As one colleague said, "P.B. does more than educate students; he makes them better human beings."

Maybe P.B.'s contributions are best summarized in the words of one of his students: "What really sets you apart from other professors is your interest in each of your students as individuals, not merely as students. Teachers who take this kind of approach to students are the ones who truly make a difference in shaping our lives."

Because of his dedication and genuine concern for students as well as his unsurpassed loyalty and 50-year service to Clemson University, we are honored to present Professor Robert Francis Nowack with the honorary Doctor of Laws degree.

### The Academic Procession

The Academic procession is composed of the faculty, staff, officers, trustees, and honored guests of the University. Faculty enter by college and each college is preceded by its marshal, a senior faculty member, with the college baton, described under University Regalia.

The college banners are placed on the stage. Each banner is a combination of colors that declare the disciplines taught in that college. These colors, which were established by the American Council on Education, are as follows:

College	Colors	Discipline
Agriculture, Forestry and Life Sciences	Maize Brown Golden Yellow	Agriculture Forestry Life Sciences
Architecture, Arts and Humanities	Lilac Brown White Dark Blue	Architecture Arts Humanities Philosophy
Business and Public Affairs	Drab Copper Peacock Blue Cream	Accounting and Business Economics Public Administration Social Sciences
Engineering and Science	Orange Golden Yellow	Engineering Science
Health, Education and Human Development	Light Blue Apricot Cream	Education Nursing Social Sciences
Library	Lemon Yellow	Library
Staff	Purple and Orange	Academic Support
Faculty Senate	Purple and White	Instruction

Collegiate faculty follow their marshal in order of academic rank wearing academic costumes of medieval origin. Those who have received their degrees from institutions outside the United States wear costumes specified by the awarding institutions.

The academic costumes of faculty whose degrees are from United States' institutions are specified by a uniform code maintained by the American Council on Education. Caps are black and are usually mortar boards with tassels. Doctors of Philosophy wear gold tassels usually of metallic thread; other degrees wear black or discipline colors.

The bachelor's gown is simple and black with long, pointed sleeves. Masters' gowns, also black, are longer than bachelors. Older gowns have sleeves that terminate at the elbow while those since 1960 have sleeves extended to the wrist. Doctors' gowns are full, with bell-like sleeves. The front is marked by velvet panels and the sleeves are marked by three velvet bars. While most gowns are black with black velvet, one variation is to replace black velvet with velvet in the discipline color. A second variation is a colored gown usually of the university's colors.

All hoods specify the level of degree, the type of discipline studied and the awarding institution. First, degree level is signified by the size of the hood with bachelors' smallest, masters' larger, and doctors' quite large and of a different shape. Clemson does not award hoods to bachelors. The width of the velvet trim also conveys the degree. Secondly, the degree is indicated by the color of the trim edging the hood to form the throat over the gown. The most frequently seen is dark blue, which designates the doctor of philosophy (Ph.D.) degree. Finally, the color of the hood's lining specifies the awarding institution. The colors are displayed in combinations that are drawn from heraldry. Notice that the Clemson University hood is lined with purple through which is an orange chevron (a "V"). Although many combinations are duplicated by dozens of institutions, Clemson is presently the only institution with that registered combination.

The officers, trustees, and honored guests wear academic, ecclesiastical, or military regalia as set forth by their professions. They are preceded by the University Marshal. Clad in a gown of office in gold and purple, the marshal wears no hood and bears the University mace. At the ceremony's close, the faculty do not exit as a part of the recessional but are dismissed, along with students and guests, when the marshal leaves the coliseum.

# CANDIDATES FOR THE DOCTOR'S DEGREE

BONNIE HOLADAY, Dean, Graduate School

## COLLEGE OF AGRICULTURE, FORESTRY, AND LIFE SCIENCES

### DOCTOR OF PHILOSOPHY

#### Applied Economics

Peter Christopher Melvin \_\_\_\_\_ Winter Springs, FL  
B.S., Florida State University; M.A., Clemson University  
Dissertation: Hedonic Prices of Golf Courses  
Advisor: Dr. R. E. McCormick

#### Crop and Soil Environmental Science

Ligia Aura Bejat \_\_\_\_\_ Bucharest, Romania  
B.S., University of Bucharest; M.S., Clemson University  
Dissertation: Modeling of Water Movement and Solute Transport in Disturbed and Undisturbed Soils  
Advisor: Dr. V. L. Quisenberry

#### Entomology

Deborah Sheryl Brickle \_\_\_\_\_ Branchville, SC  
B.S., M.S., Georgia Southern University  
Dissertation: Optimization of Management Strategies for Lepidopterous Pest in Transgenic B.t. Cotton  
Advisor: Dr. S. G. Turnipseed

Hanping Lu \_\_\_\_\_ Wuhan, China  
B.S., M.S., Huanzhang Agricultural University  
Dissertation: Housefly (*Musca domestica* L.) Management with Emphasis on the Facultative Predator, *Hydrataea aenescens*, in Poultry and Swine Operations  
Advisor: Dr. P. M. Horton

#### Environmental Toxicology

Ryan Edward Casey \_\_\_\_\_ Mt Airy, MD  
B.S., Virginia Polytechnic Institute and State University  
Dissertation: Receiving Golf Course Runoff  
Advisor: Dr. S. J. Klaine

Daniel Jorey Karen \_\_\_\_\_ Waccabuc, NY  
B.S., Emory University; M.S., College of Charleston  
Dissertation: Sublethal Impact of Episodic Pesticide Exposures on Fundulus Heteroclitus  
Advisor: Dr. S. J. Klaine

Cynthia Sills \_\_\_\_\_ Ropesville, TX  
B.A., Case Western Reserve University; B.S., University of Idaho; M.S., Idaho State University  
Dissertation: Effects of Six Endocrine Disruptors and their Binary Mixtures on American Alligators (*Alligator mississippiensis*), Northern Bobwhites (*Colinus virginianus*), and Deer Mice (*Peromyscus maniculatus*)  
Advisor: Dr. R. L. Dickerson

#### Food Technology

Anju Rao \_\_\_\_\_ Hyderabad, India  
B.S., Andhra Pradesh Agricultural University  
Dissertation: Optimization and Characterization of Membrane Processed Soy Protein Concentrate  
Advisor: Dr. R. L. Thomas

#### Forest Resources

Chau-Chin Lin \_\_\_\_\_ Taipei, Taiwan  
B.S., National Chung Hsing University; M.S., Taiwan National University  
Dissertation: An Integrated Model to Predict Human-Caused Forest Fire Danger in Taiwan  
Advisor: Dr. W. E. Hammitt

Zicai Xu \_\_\_\_\_ Harbin, China  
B.A., Inner Mongolia University; M.F.R., Northeast Forestry University  
Dissertation: Evaluation of Properties Associated with Bacterial Wetwood in Red Oaks  
Advisor: Dr. F. H. Tainter

#### Microbiology

Ricky Lee Ulrich \_\_\_\_\_ Daytona Beach, FL  
B.S., Clemson University  
Dissertation: Identification, Cloning, and Sequencing of the Genetic Determinant Coding for the Proposed Lactacin B Inducer Protein and Partial Characterization of the *Lactobacillus Delbrueckii* ssp. *Lactis* ATCC 4797 Genome by Shotgun Cloning and Sequencing  
Advisor: Dr. T. A. Hughes

### Plant Pathology

Suat Yilmaz

M.S., Oklahoma State University

Dissertation: Development of Non-Radioactive Detection Methods for the Genomic RNAs of Ilarviruses that Cause Disease in Peach and Their Use in Studying the Molecular Basis of the Synergistic Interaction between *Prunus Necrotic Ringspot Virus* and *Prune Dwarf Virus*

Advisor: Dr. S. W. Scott

Isparta, Turkey

### Zoology

Jody Matthew Myers

B.S., M.S., Louisiana State University and A&M College

Dissertation: Studies on the Secretory Epithelium of the Mantle from the Eastern Oyster, *Crassostrea Virginica*, in Relation to Shell Formation

Advisor: Dr. A. P. Wheeler

Eunice, LA

## COLLEGE OF BUSINESS AND PUBLIC AFFAIRS

### DOCTOR OF PHILOSOPHY

#### Industrial Management

Alan Russell Cannon

B.S., M.B.A., Clemson University

Dissertation: Environments, Strategies and Manufacturing Flexibility—A Contingency Theory and An Empirical Test

Advisor: Dr. C. H. St. John

Greenville, SC

Loretta Ferguson Cochran

B.S., Erskine College; M.S., Clemson University

Dissertation: Linking Corporate Goals and Shop Floor Performance

Advisor: Dr. J. W. Patterson

Pottsville, AR

#### Industrial/Organizational Psychology

Thomas Lloyd Killen

B.S., Wofford College; M.S., Clemson University

Dissertation: The Effect of Incentives to Fake on Personality Test Responses

Advisor: Dr. F. S. Switzer

Easley, SC

Erica Lynn Lagasse

B.A., University of South Florida; M.S., Clemson University

Dissertation: Policy Capturing of Appellate Level Sexual Harassment Court Cases

Advisor: Dr. F. S. Switzer

Tampa, FL

## COLLEGE OF ENGINEERING AND SCIENCE

### DOCTOR OF PHILOSOPHY

#### Chemical Engineering

Patrick Christopher Joyce

B.S., M.S., Manhattan College

Dissertation: Vapor-Liquid Equilibria for Long-Chain Hydrocarbons in Supercritical Alkane Solvents

Advisor: Dr. M. C. Thies

Dumont, NJ

#### Chemistry

Lois Elizabeth Nice

B.A., Lycoming College

Dissertation: Preparation and Reaction of Alpha-Aminoalkyl Copper Reagents with: (1) Alpha, Beta-Unsaturated Enones/Enals, and (2) Propargyl Substrates

Advisor: Dr. P. K. Dieter

Jersey Shore, PA

Harry Whittier Rollins

B.S. Clemson University

Dissertation: Preparation and Characterization of Nanoscale Materials

Advisor: Dr. Y. P. Sun

Charleston, SC

#### Civil Engineering

Jinxia Chen

B.S., Shanghai Jiaotong University; M.S., Zhejiang University

Dissertation: Risk-Based Liquefaction Potential Evaluation Using Cone Penetration Tests and Shear Wave Velocity Measurements

Advisor: Dr. C. H. Juang

Fujian, China

Mihail Grigore Chiru-Danzer

B.S., Rensselaer Polytechnic Institute

Dissertation: Estimation of Liquefaction-Induced Vertical and Horizontal Displacements Using Artificial Neural Networks and Regression

Advisor: Dr. C. H. Juang

Harrison, NJ

Civil Engineering (continued)

Zhigang Huang \_\_\_\_\_ Zibo, China  
B.S., Tongji University, M.S., Tsinghua University  
Dissertation: Stochastic Models for Hurricane Hazard Analysis  
Advisor: Dr. D. V. Rosowsky

Electrical Engineering

Yi-Qun Jiang \_\_\_\_\_ Duluth, GA  
B.E., M.E., National University of Defense Technology  
Dissertation: 3D Vector High-Order Finite Element Modeling for Doubly Periodic Structures  
Advisor: Dr. A. O. Martin

Alp Kustepeli \_\_\_\_\_ Istanbul, Turkey  
B.S., Istanbul Technical University; M.S., Clemson University  
Dissertation: Analysis and Implementation of the Emald Method for Waveguide and Cavity Structures  
Advisor: Dr. A. O. Martin

Clint Simmons Wilkins \_\_\_\_\_ Blacksburg, SC  
B.S., M.S., Clemson University  
Dissertation: Adaptation of Code Rate and Transmitter Power in Frequency-Hop Communication  
Advisor: Dr. M. B. Pursley

Engineering Mechanics

Andrzej Tadeusz Baranski \_\_\_\_\_ Krakow, Poland  
B.S., Cracow University of Technology  
Dissertation: Postbuckling Analysis of Laminated Composite Plates with Damage  
Advisor: Dr. S. B. Biggers

Environmental Engineering and Science

Silong Lu \_\_\_\_\_ Clemson, SC  
B.E., Hohai University; M.E., Institute of Water Conservation  
Dissertation: Stochastic Fractal Characterization and Representation of Sub-Surface Hydraulic Conductivity Distributions and Fluid Flow and Transport in Fractal Porous Media  
Advisor: Dr. F. J. Molz

Industrial Engineering

Xingang Cheng \_\_\_\_\_ Henan, China  
B.S., Harbin College of Shipbuilding Engineering; Ph.D., Chinese Academy of Sciences  
Dissertation: A Markov Decision Process Approach to R & D Project Planning  
Advisor: Dr. D. L. Kimbler

Mathematical Sciences

Paul Triantafilos Hadavas \_\_\_\_\_ Swarthmore, PA  
B.S., Carnegie-Mellon University; M.S., Clemson University  
Dissertation: Exploiting Network Substructures and Persistency in Solving O-I and General Nonconvex Optimization Problems  
Advisor: Dr. W. P. Adams

Linda Graynel Lawson \_\_\_\_\_ Cuthbert, GA  
B.S., M.S., University of Georgia  
Dissertation: Dynamic Programming Based Learning Methods Using Multigrid  
Advisor: Dr. J. K. Peterson

Bernd Schandl \_\_\_\_\_ Nieder-Olm, Germany  
Dipl., University of Kaiserslautern  
Dissertation: Norm-Based Evaluation and Approximation in Multicriteria Programming  
Advisor: Dr. M. M. Wiecek

Mechanical Engineering

Xian Chang Li \_\_\_\_\_ Hebei Province, China  
B.S., M.S., Tsinghua University  
Dissertation: Cooling by a Mist/Steam Jet  
Advisor: Dr. J. L. Gaddis

Yugang Li \_\_\_\_\_ Shenyang, China  
B.E., M. Engr., Tianjin University  
Dissertation: Adaptive Vibration Isolation Control for Continuous Systems  
Advisor: Dr. C. D. Rahn

Sunder S. V. Vaduri \_\_\_\_\_ Hyderabad, India  
B.E., Osmania University; M.S., Clemson University  
Dissertation: Development of Computer Tools for Analysis of Track Test Data and for Prediction of Dynamic Handling Response for Winston Cup Cars  
Advisor: Dr. E. H. Law

Physics

Timothy Richard Marshall \_\_\_\_\_ Dahlonega, GA  
B.S., North Georgia College and State University  
Dissertation: Investigations of High Latitude Wind Shears in the Lower Thermosphere  
Advisor: Dr. M. F. Larsen

**Physics (continued)**

Leif Zebediah Scheick \_\_\_\_\_ Nashville, TN  
B.S., Wofford College; M.S., Clemson University  
Dissertation: Famous Transistor Spectroscopy and Microdosimetry  
Advisor: Dr. P. J. McNulty

**Textiles, Fiber and Polymer Science**

Jiefeng Yu \_\_\_\_\_ Fujian, China  
B.S., M.S., China Textile University-Shanghai  
Dissertation: Study of Yarn Package Residual Tension During Over-End Unwinding  
Advisor: Dr. B. C. Goswami

**COLLEGE OF HEALTH, EDUCATION, AND HUMAN DEVELOPMENT**

**DOCTOR OF EDUCATION**

**Vocational and Technical Education**

Wells Blakeslee Doty \_\_\_\_\_ Salem, SC  
B.S., M.S., United States Naval Academy  
Dissertation: Personality Types and Traits as Academic Success Predictors  
Advisor: Dr. J. M. Leininger

Shelly Lin Schwartz \_\_\_\_\_ Weatherford, TX  
B.S., Tarleton State University; M.A., University of Texas Southwest  
Dissertation: The Effect of Implementation of a Voice Messaging System on Student Perception of Interaction and Satisfaction in Telecourses  
Advisor: Dr. G. G. Lovedahl

**DOCTOR OF PHILOSOPHY**

**Curriculum and Instruction**

Vicki Jean Phillips \_\_\_\_\_ Walhalla, SC  
B.A., Winthrop University; M.Ed., Clemson University  
Dissertation: The Effects of a Math Recovery Program: A Comparative Study  
Advisor: Dr. W. H. Leonard

**Educational Leadership**

Katherine S. Sparks \_\_\_\_\_ Lavonia, GA  
B.A., Berry College; M.Ed., Clemson University  
Dissertation: Flagship Teachers for the 21<sup>st</sup> Century: A Profile of Behaviors and Values Which Exemplify Excellent Teachers  
Advisor: Dr. D. L. Fuhr

Kenneth Harry Weichel \_\_\_\_\_ Central, SC  
B.A., M.Ed., Clemson University  
Dissertation: An Investigation of the Impact of School Culture on the Relationship Between South Carolina Elementary Schools and School Effectiveness  
Advisor: Dr. D. L. Fuhr

**Parks, Recreation, and Tourism Management**

Dorothy Margaret Chase \_\_\_\_\_ Clearwater Bay, Ontario  
B.A., University of Winnipeg; M.Ed., Lakehead University  
Dissertation: Sense of Place: Resident and Visitor Assessments of a Tourism Destination Area Thunder Bay, Ontario, Canada  
Advisor: Dr. G. W. Burnett

Robert Wilson Dye, Jr. \_\_\_\_\_ Brevard, NC  
B.S., Western Carolina University  
Dissertation: Differentiating Between Private and Commercial Recreational Boaters on the Chattooga Wild and Scenic River; A Discriminant Analysis  
Advisor: Dr. G. W. Burnett

Karen Paisley Hurtes \_\_\_\_\_ Landenberg, PA  
B.S., The American University; M.S., Clemson University  
Dissertation: The Development of a Measure of Resiliency in Youth for Recreation and Other Social Services  
Advisor: Dr. L. R. Allen

William Lewis Obenour II \_\_\_\_\_ Pittsburgh, PA  
B.S., Indiana University of Pennsylvania; M.S., Bowling Green State University  
Dissertation: Understanding the Hermeneutis Meaning of the "Journey" in Travel and Tourism  
Advisor: Dr. F. A. McGuire

# CANDIDATES FOR THE EDUCATION SPECIALIST AND MASTER'S DEGREE

BONNIE HOLADAY, Dean, Graduate School

## COLLEGE OF AGRICULTURE, FORESTRY, AND LIFE SCIENCES

### MASTER OF AGRICULTURAL EDUCATION

Gwendolyn Cummings McPhail \_\_\_\_\_ Seneca, SC

### MASTER OF FOREST RESOURCES

Madison Peyton Howell III \_\_\_\_\_ Mt Pleasant, SC

### MASTER OF SCIENCE

#### Agricultural and Applied Economics

Abdullah Naci Dogrul \_\_\_\_\_ Ankara, Turkey Ferdinand Dimaculangan Vinuya \_\_\_\_\_ Nueva Elija, Philippines  
Avinash Noel Kessop \_\_\_\_\_ Calcutta, India

#### Animal Physiology

Jessica Lee Hall \_\_\_\_\_ Charlotte, NC Kimberli Paige Yonce \_\_\_\_\_ Johnston, SC  
Andrea Marie Parkhurst \_\_\_\_\_ Frederick, MD

#### Aquaculture, Fisheries, and Wildlife Biology

Tamara McCoy Koldyke \_\_\_\_\_ Seneca, SC

#### Biochemistry

Diana Marie Rugh \_\_\_\_\_ Falls Church, VA

#### Botany

Nathan Deas Missel \_\_\_\_\_ Summerville, SC

#### Crop and Soil Environmental Science

Lori Ann Duis \_\_\_\_\_ Virginia Beach, VA Johnny Thorton Staples, Jr. \_\_\_\_\_ Aynor, SC

#### Environmental Toxicology

Amy Leigh Bohannon \_\_\_\_\_ Yorktown, VA

#### Forest Resources

Joseph William Albiston \_\_\_\_\_ Altavista, VA Gregory Paul Smith \_\_\_\_\_ Cannonsburg, PA

#### Genetics

La Tonya Tymerrria Jones \_\_\_\_\_ Spartanburg, SC Francisco Romero-Pastrana \_\_\_\_\_ Puebla, Mexico

#### Microbiology

David Enrique Correa \_\_\_\_\_ Suffern, NY Clyatt Elise Drakeford \_\_\_\_\_ Sumter, SC  
Melanie Patricia Dautle \_\_\_\_\_ Cherry Hill, NJ Jannet Katherine Romero \_\_\_\_\_ Simpsonville, SC  
Melanie Dawn DeCock \_\_\_\_\_ Eldridge, IA

#### Nutrition

Cheryl Lynn Hooper \_\_\_\_\_ Naperville, IL

#### Plant Pathology

Payungsak Rauyaree \_\_\_\_\_ Pathumthani, Thailand

#### Zoology

James Brent Varnadore \_\_\_\_\_ Sumter, SC

## COLLEGE OF ARCHITECTURE, ARTS, AND HUMANITIES

### MASTER OF ARCHITECTURE

Jeannye LaVerne Dudley \_\_\_\_\_ Atlanta, GA Heather Annette Lentz \_\_\_\_\_ Walhalla, SC  
Michael Allan Gaffney \_\_\_\_\_ Charlotte, NC Patricia Dilger Newell \_\_\_\_\_ Greenville, SC  
Justin Morgan Hughes \_\_\_\_\_ Glen Dale, WV Hilary Grace Stevens \_\_\_\_\_ Orlando, FL

### MASTER OF CITY AND REGIONAL PLANNING

Hilary Grace Stevens \_\_\_\_\_ Orlando, FL

### MASTER OF CONSTRUCTION SCIENCE AND MANAGEMENT

Omur Ehliz \_\_\_\_\_ Kayseri, Turkey Yesim Uner \_\_\_\_\_ Istanbul, Turkey  
Kenneth Paul Flower \_\_\_\_\_ New Orleans, LA William Taft Wirthlin \_\_\_\_\_ Greenville, SC  
Paul Lynn Lavanish \_\_\_\_\_ Sumter, SC Viswanadhan Raja Yallayi \_\_\_\_\_ Andhra Pradesh, India  
Suzan Ozkinay \_\_\_\_\_ Istanbul, Turkey

### MASTER OF FINE ARTS

Cecilia Frederic \_\_\_\_\_ Hendersonville, NC

**MASTER OF ARTS****English**

Karen Ann Gentry \_\_\_\_\_ Bishopville, SC John Kwist, Jr. \_\_\_\_\_ Summerville, SC  
 Deborah Veronica Holmes \_\_\_\_\_ Wellford, SC

**History**

John Angus Martin \_\_\_\_\_ Brooklyn, NY Gregory J. Verhovshek \_\_\_\_\_ York, PA

**Professional Communication**

Aubrae Ann Wagner \_\_\_\_\_ Greenville, SC

**MASTER OF SCIENCE****Architecture**

Maria Mercedes Posada \_\_\_\_\_ Bogota, Colombia

**COLLEGE OF BUSINESS AND PUBLIC AFFAIRS****MASTER OF BUSINESS ADMINISTRATION**

Joseph Charles Amell	Greenville, SC	Julie Anne Lewis	Tallahassee, FL
Greg Alan Bowen	Moore, SC	Elizabeth Lohr Longshore	Greenwood, SC
Heather Marie Brooks	Greenville, SC	Whitney Tillman Marcengill	Greenwood, SC
Vicky Burgess Bryant	Greer, SC	Virginia Miller McManis	Greenwood, SC
Galen Eben Burdeshaw	Greenville, SC	Brian Allen Novatny	Cleveland, OH
Karen Cothran Cannon	Greenville, SC	Terry Andrew Redmile	Greenville, SC
Jose Gerardo Copello	Campinas, Brazil	Charles Anderson Rose, Jr.	Greenville, SC
Michael Lyn Couch	Greenville, SC	Vishal Pramod Shah	Clemson, SC
Stacey Eichmeyer Couch	Greenville, SC	Randy Robert Sorenson	Racine, WI
Michele Ann Ensor	Atlanta, GA	Rowdy Dee Teague	Newton, NC
Scott Brian Freese	Naperville, IL	Jeffrey James Tewell	Seneca, SC
Bruno Josef Hartmann	Bavaria, Germany	Michelle Ann Toporski	Simpsonville, SC
Eric Robert Hendrickson	Richmond, VA	Daniel Lee VonDielingen	Spartanburg, SC
Randolf G. Hernandez	Turrialba, Costa Rica	Ting Xie	Beijing, China
Keith Allen King	Zanesville, OH		

**MASTER OF PROFESSIONAL ACCOUNTANCY**

Gregory Allen Lewis	Greer, SC	Lee Elizabeth McConnell	Greenville, SC
Ashley Mauldin	Pickens, SC	Rebekah Lee Truesdale	Kershaw, SC

**MASTER OF PUBLIC ADMINISTRATION**

(Master of Public Administration is jointly administered by  
 Clemson University and the University of South Carolina.)

Christopher David Eldridge	Pickens, SC	James Alexander Wiggins	Marion, SC
Matthew Robert Streger	Westwood, NJ		

**MASTER OF ARTS****Economics**

Anja Geissler	Essen, Germany	Kristina Terkun	Chantilly, VA
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**MASTER OF SCIENCE****Applied Psychology**

Joseph Christopher Jenkins	Greenville, SC	Janet Achenbach McCarten	Carmel, NY
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**Industrial Management**

Hartmut A. H. Peters	Greenville, SC		
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**COLLEGE OF ENGINEERING AND SCIENCE****MASTER OF ENGINEERING****Civil Engineering**

Robert Eric Burgess	Chester, SC		
---------------------	-------------	--	--

**Electrical Engineering**

Dominic John Ruffolo	Somerdale, NJ		
----------------------	---------------	--	--

**MASTER OF SCIENCE****Bioengineering**

Ishmael Bentley II	Owingsville, KY	Michael K. McRoberts	Greenwood, IN
Leigh Anne Boros	Austell, GA	Jeffrey Eugene Mega	Anderson, SC
Cindy Demian	Columbia, SC	Anupama Vinod Sarma	Clemson, SC
Kory Patrick Hamel	Prior Lake, MN	Glenn Anthony Stiegman III	Greenville, SC
Matthew Martin Holecko II	Youngstown, OH		

**Biosystems Engineering**  
Welch McNair Bostick \_\_\_\_\_ Greenville, SC

**Ceramic Engineering**

Christopher Byron Chestnut	Conway, SC	Honggu Jiang	Shanghai, China
Peter James Fernstrom	North Augusta, SC	Nisanart Navapan	Bangkok, Thailand

**Chemical Engineering**

Mark Edward Beauharnois	Lockport, NY	Shiraz Yakub Sheikh	Columbia, SC
Jeffrey L. Meece	Cincinnati, OH	Justin Edward Wince	Anderson, SC

**Chemistry**

Liyan P.D.N.K. Abayasinghe	Clemson, SC	James Duncan McClellan	Sellers, SC
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**Civil Engineering**

Jianhua Guan	Shandong, China	Mark Joseph Radicchi	Johnson City, NY
Brian John Michot	Moreauville, LA	Brett Jackman Whitin	Columbia, SC
Paul Roland Moore	Beaufort, SC	Bradley S. Williams	Easley, SC
John Regan Prince	Greenwood, SC		

**Computer Science**

Andreas Gerd Arens	Maring-Novoland, Germany	Vikas Saraoji	Gwalior, India
Mark Allen Bever	Greenville, SC	Vadivel Rajkumar Sreedar	Tamilnadu, India
Michael Joseph Bever	Greenville, SC	Krishnan Sridhar	Madras, India
Thomas W. Crumpton	Pickens, SC	Xiaorong Tai	Beijing, China
Kevin David Guthrie	Fountain Inn, SC	Sujani Viswanathan	Chatham, NJ
Nualsawat Hiransakolwong	Bangkok, Thailand	Xianting Xu	JiangXi, China
Manoj Bhaskaran Nair	Nagpur, India	Ling Zhang	Shanghai, China
Jeffrey Mark Russo	Atlantic City, NJ	Sheng Zhang	ShanDong, China

**Electrical Engineering**

Frederick Joseph Block IV	Charleston, SC	Pradeep Swethadri Setlur	Bangalore, India
Yen-Chin Chen	Taipei, China	Choosak Taveekitikun	Songkla, Thailand
Durgesh Padmakar Manjure	Bombay, India	Jeffrey Scott Wysocarski	Rochester, NY
Sachin D. Sapte	Mumbai, India	Zhixian Xiang	Guangdong, China

**Engineering Mechanics**

Prapot Kunthong \_\_\_\_\_ Bangkok, Thailand

**Environmental Engineering and Science**

Kimberly Ann Davis	Aiken, SC	Stacey Heyward Suber	Simpsonville, SC
John Russell Hackett	Beavercreek, OH	Roland Dirk Thierbach	Niebuell, Germany
Sigit Reliantoro	West Java, Indonesia	Marc Raymond Woodworth	Augusta, GA

**Hydrogeology**

Crystal Ann Mattox \_\_\_\_\_ Fort Mill, SC

**Industrial Engineering**

Saikat Goswami	Serampore, India	Jatin P. Thaker	Hyderabad, India
Robert Francis Lemon III	Merritt Island, FL	Paresh S. Vakhariya	Clemson, SC
Arun Kumar Sriramneni	Clemson, SC		

**Materials Science and Engineering**

Jianling Li	Hunan, China	Matthew Lee Williams	White Springs, FL
Deepak Pingalay	Bangalore, India		

**Mathematical Sciences**

Jeffrey Bryan Farr	Greenville, SC	Jason Keith Martin	Georgetown, SC
David Cletus Gillen	Austin, TX	Christopher Crevensten Woodard	Spartanburg, SC
Jennifer Marie LaVare	Rotterdam, NY	Mary Katherine Zachary	Atlanta, GA

**Mechanical Engineering**

Krishnaditya Goutham Arkalgud	Bangalore, India	Shane Rabun Martin	Pauline, SC
Mark Anderson Eley	White Plains, GA	Guang Yang	Beijing, China
Christopher Errington Granger	Hilton Head Island, SC		

**Physics**

Jinze Dai	Gansu, China	Michelle Renee Stanley	Florence, SC
Sanjib Shankar Gupta	Calcutta, India	Korkut Yegin	Tekirdag, Turkey
Andre Jacobus Muis	Greenville, SC		

**Textile Science**

Dan Liu \_\_\_\_\_ Nanchang, China

**Textiles, Fiber and Polymer Science**

Kanitta Asvahem	Sathorn, Thailand	Ying Huang	Shanghai, China
Christopher Michael Barr	Spartanburg, SC		

## COLLEGE OF HEALTH, EDUCATION, AND HUMAN DEVELOPMENT

### EDUCATION SPECIALIST

Administration and Supervision		
Sonya Vanessa Barnett	Elberton, GA	Diane Merritt
Jane W. Franks	Clarkesville, GA	Jackie Stancil Morgan
Charlotte Rice Harper	Hartwell, GA	Canon, GA Eastanollee, GA

### MASTER OF HEALTH ADMINISTRATION

(Master of Health Administration is jointly administered by  
Clemson University and the Medical University of South Carolina.)

Cardell Elisha Shortt \_\_\_\_\_ Laurens, SC

### MASTER OF HUMAN RESOURCE DEVELOPMENT

Kelly Ann Broome	Anderson, SC	Robin Dorothea Jackson	Anderson, SC
Mandie Colette Campbell	Anderson, SC	Jane Elizabeth Kasoff	Fairfax, VA
Jennifer Rebecca Diak	Fort Mill, SC	Leslie Nicole Murch	Greenville, SC
Kory Camelia Epps	Lake City, SC	Heather Caroline Orr	Cheraw, SC
Gretchen Elizabeth Golden	Simpsonville, SC	Michael Wallace Pitts	Seneca, SC
Chris John Hallin	Chaska, MN	Angela Hope Ridings	Spartanburg, SC
Danny Lewis Hammond	Lexington, SC	Celeste Ray Scott	Charleston, SC
Amanda Kellie Harrupaul	Newtown, PA	Bruce Allen Smith	Travelers Rest, SC
Eric David Hellman	Simpsonville, SC	Patricia Anne Trent	Greenville, SC
Sherry J. Herring	Fort Myers, FL	Tina Evette Collins Woodard	Gainesville, GA
Reagan Kathleen Hutson	Greer, SC	Amanda Kei Wright	Powdersville, SC

### MASTER OF INDUSTRIAL EDUCATION

Glenn Alan Doherty	Palo Alto, CA	Andrew Thomas Long	Clemson, SC
Edward Eugene Grant	Anderson, SC	Madhura Nataraj	Clemson, SC
Heath Jason Lindsey	LaPlata, MD	Michelle Rae Spitzinger	Upper Marlboro, MD
Crystal Ellison Lominick	Pomaria, SC		

### MASTER OF PARKS, RECREATION, AND TOURISM MANAGEMENT

Zuna Mansoor \_\_\_\_\_ Karachi, Pakistan

### MASTER OF EDUCATION

Administration and Supervision			
Alexander Cummings	Mauldin, SC	Penny Spell Knight	Simpsonville, SC
Jeanne Coker Davis	Hayesville, NC	Krista Leigh Randall	Seneca, SC
Gary Scott Dixon	Walhalla, SC	Sharon Lynne Ross	Seneca, SC
Michelle Richey Grant	Seneca, SC	David Lynn Smith	Greer, SC
Robert Warren Hammond	Anderson, SC	Michael Kent Stroud	Newberry, SC
Michael Douglas Hughes	Piedmont, SC	Anthony Ware	Anderson, SC

### Counseling and Guidance Services

Gwendolyn Elaine Anderson	Greenville, SC	Robin Gayle Hagy	Anderson, SC
Marsha Denise Berry	Greenville, SC	Mikelle Renee Hicks	Greenville, SC
Jan Leigh Blake	Whitehall, PA	Gail Sittmann Hoffman	Greenville, SC
Paula Childs Chandler	Greenville, SC	Mary Elizabeth Lusk	Anderson, SC
Kancy Tucker Cleveland	Easley, SC	Vicki W. Miller	Seneca, SC
Larene Nott Cruickshank	Mauldin, SC	Tiffany F. Peters	Clemson, SC
Steven Douglas Dean	Belton, SC	Larry Drew Printz	Toccoa, GA
Carrie Brooke Duggan	Gainesville, GA	Angela Gail Salyer	Whittier, NC
Kelly Melinda Fanning	Houston, TX	Lesley Michelle Sexton	Anderson, SC
Mary Beth Green	Clemson, SC	James A. Wright	Seneca, SC

### Elementary Education

Elizabeth Milhouse	Germantown, MD	Earnestine Robinson Williams	Mullins, SC
Pamela Masters Putnam	Six Mile, SC		

### Reading

Suzanne Dupree Collins	Kennesaw, GA	Crystal Lynn Martin	Anderson, SC
Angela Sullivan Garrett	Seneca, SC	Beth Marie Radford	Aiken, SC
Georgelyn Synethia Martin Jeter	Rock Hill, SC	Barbara Seawright Wagher	Greenville, SC

### Secondary Education

Kimberly Sue Eish	Columbia, SC	Cynthia H. Parker	Seneca, SC
Miriam Stone Johnson	Anderson, SC		

### Special Education

Jeanne Miller Hughes	Lavonia, GA	Nathan Cole Stephens	Seneca, SC
Susan Salena Smith	Easley, SC		

### MASTER OF SCIENCE

#### Nursing

Linda Elaine Conn \_\_\_\_\_ Republic, OH

Parks, Recreation, and Tourism Management  
Tiffany Joy McClinton \_\_\_\_\_ Clemson, SC

# CANDIDATES FOR THE BACHELOR'S DEGREE

## COLLEGE OF AGRICULTURE, FORESTRY, AND LIFE SCIENCE

WILLIAM BUSSE WEHRENBERG, Dean

### BACHELOR OF ARTS

#### Biological Sciences

Amy Rosetta Gray	Woodstown, NJ	Erin Marie Lynch	Scarborough, ME
*Russell Jacey Kiefer, Jr.	Westerville, OH	Laura Elizabeth Profit	Highlands Ranch, CO

### BACHELOR OF SCIENCE

#### Agricultural and Applied Economics

Steven Scott Bolt	Orangeburg, SC	John Tazwell Patton	Woodruff, SC
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Edwin DeLeon Brightwright	Lodge, SC	Heidi Marie Meek	Simpsonville, SC
Melanie Lynn Clayton	Greer, SC	Shawna Lynn Molchan	Fairmont, WV
Brian Keith Diebold	Anderson, SC	Christopher Kennard Pooler	Darlington, SC
*Stacy Ann Hanna	Wilmington, NC	+****Sandra Kay Powers	Painted Post, NY
Douglas Eugene Hemphill, Jr.	Spartanburg, SC	Andrico Jauron Tanner	Spartanburg, SC
Michael Joseph Jerome	North Augusta, SC	Eric Weathers Watson	Cordova, SC
Cindy Hsin Lin	Greenville, SC	*Michael Patrick Williams	Fairfax, VA
Deiona Sharene Long	Eastover, SC	Dawn Nicole Woods	Lexington, SC

**Mathematical Sciences**  
 Michele Lynn Scotti \_\_\_\_\_ Whitehouse Station, NJ

**Mechanical Engineering**

Jeffery Lynn Barron	Greenville, SC	David Edward Ramey	Easley, SC
Jonas Lee Benjamin	Greenville, SC	+**Marc Christopher Ramsey	Collierville, TN
Omar Bravo	Anderson, SC	Martin Duane Rhodus	Camden, SC
Russell Clint Frazier	Greenville, SC	John Elsworth Robison	Anderson, SC
**Robert Emory Gaskins	Society Hill, SC	+*Brian Tavis Rundgren	Eggleson, VA
***Waddy Thomson Haynie	Belton, SC	Nathan Andrew Russell	Blu Ridge, GA
Robert Clinton Hearne	Pamplico, SC	Jill Russell Salley	Holly Hill, SC
Stephanie Patrice Hicks	Ninety Six, SC	*Harold Bernard Samuels	Timmonsville, SC
Tyle Warren Jacobs	Camden, SC	Ernest Andrew Shuler	Darlington, SC
Brian B. Johnson	Myrtle Beach, SC	Justin Bryant Shum	Brookeville, MD
Deborah Kaye Johnson	Florence, SC	David Tristan Smith	Anderson, SC
*Robert Moffatt Kennedy IV	Myrtle Beach, SC	*Timothy Brian Smith	Cope, SC
James Robert Masse	Goose Creek, SC	+**Shayndus Dawn Sperry	Greenwood, SC
Courtney Rene Mayes	Bluffton, SC	+*Matthew Scott Stanford	Greenville, SC
Jeffery Robert McGowan	Brandon, FL	Joseph Ephraim Whisenhunt	Greenville, SC
David Christopher Merli	Swiftwater, PA	Jeremy Alan White	Charleston, SC
Jody Alicia Nix	Pickens, SC	John Claude Wilson IV	Newberry, SC
Ian Paradis	Greenville, SC	John Michael Wolf	Pittsburgh, PA
Matthew Lee Peterson	Portland, OR	*Donald Mark Wood	Mechanicsburg, PA
Chad Edward Porginski	Greenville, SC	Ian DeShea Yankosky	Mt Pleasant, SC

**Textile Chemistry**

Joshua Daniel Corley	Greer, SC	Thomas Lawrence Gilbert	Anderson, SC
Robert Wade Finklea	Pamplico, SC		

**Textile Management**

Rana Ghufran Rasheed	Karachi, Pakistan	Corey Taylor Reedy	Lugoff, SC
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**Textile Science**

Shazad Iqbal	Karachi, Pakistan	Usman Shafi	Karachi, Pakistan
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**COLLEGE OF HEALTH, EDUCATION, AND HUMAN DEVELOPMENT**

**HAROLD ERNEST CHEATHAM, DEAN**

**BACHELOR OF ARTS**

**Early Childhood Education**

Elizabeth Bartlee Akers	Columbia, SC	+***Amy Elizabeth Pounds	Easley, SC
Krista Marie Ayres	Aiken, SC	Laura Beth Rush	Mauldin, SC
*Brandi Diane Collins	Piedmont, SC	Karen Beth Sfeir	Greenville, SC
Natalie Louise Cordray	Charleston, SC	**Angela Ruth Shelley	Florence, SC
Julie Lynn Cumbee	Orangeburg, SC	**Kimberly Beth Silkworth	Vero Beach, FL
Amy Wright Davies	Greenville, SC	Allison Ruth Swords	Williamston, SC
Kirsty Louise Dobbs	Sumter, SC	Anastasia Marie Trueman	Germantown, MD
Kelly Eileen Durell	Anderson, SC	Wenonah Galates Wells	Laurens, SC
Brenna Kaye Johnson	Greer, SC	Jennifer Gwyn Wethington	Greenville, SC
Michelle Lynne Johnson	Easley, SC	+***Brooke Danielle Young	Lexington, SC
Elizabeth Cole Maxwell	Jonesboro, GA	Jennifer Renee Zappa	Allison Park, PA
Jennifer Dawn Morgan	Greer, SC		

**Elementary Education**

Ashley Edith Alward	Greenville, SC	Kimberly Nicole Gibbs	Westminster, SC
Katie La Pierre Anderson	Seneca, SC	*Jennifer Allison Hooks	Anderson, SC
Ryan Douglas Bauer	Doylestown, PA	Alyson Kristine Humphreys	Randolph, NJ
*Margaret Kathryn Black	Greenville, SC	Rita Michelle Isom	Rock Hill, SC
***Kristie Michele Brennan	Ballston Lake, NY	Laura Potuto Kaufmann	East Hanover, NJ
Susanah Elizabeth Chetwood	Winston-Salem, NC	*Kathleen Ann Mang	Charleston, SC
**Christina Marie Cody	Greenville, SC	Laura Lynn Norwood	Travelers Rest, SC
+*Dayna Marie Cooper	Allendale, NJ	Amy Grace Roberts	Charleston, SC
Nicole Ann Cooper	Kennett Square, PA	*Wendy Christina Roberts	Greenville, SC
Stacey Ann Crandall	Columbia, SC	*Leah Frances Sauls	Hampton, SC
Rashuna Elsaria Cunningham	Gaffney, SC	Sarah Rebecca Sicherman	Columbia, SC
Cheri Leigh Daprich	Columbia, SC	Heather Leigh Spivey	Anderson, SC
Janet Elizabeth Davis	Aiken, SC	Jennifer Lee Stewart	Rocky Hill, CT
Keri Dyar Davis	Anderson, SC	Teri Elizabeth Stokes	Greer, SC
Amy Danielle Dickson	Seneca, SC	Nancy Loraine Swanson	Toccoa, GA
*Jessica Louise Earley	Greenville, SC	Stephanie Christina Tyner	Honea Path, SC
Alyson Christina Edwards	Taylors, SC	Ja'Nese Shovon Wright	Beaufort, SC
Ursula Jane Feurtado	Quincy, MA		

Secondary Education			
Catherine Thackston Adams	Simpsonville, SC	Jennifer Michelle Johnson	Greer, SC
Elizabeth Finley Cate	Columbia, SC	Megan Price Jones	Greer, SC
Summer Hope Dale	Summerton, SC	Felicia Gabralee McCommon	Walhalla, SC
Lindsay Kaye Donald	Westminster, SC	Carrie Amanda Nixon	Abbeville, SC
Brian Keith Feltman	Westminster, SC	Katherine Danielle Paschal	North Augusta, SC
Jimmy Marvin Griffin, Jr.	Belton, SC	Jason Paul Winstead	Boiling Springs, SC
*Danny Paul Hamm	Boiling Springs, SC	April Elizabeth Witherspoon	Seneca, SC
Dana Catherine Hawkins	Belton, SC		

Special Education			
Kirsten Marie Odom	Columbia, SC	Jenny Rene Swizdaryk	Anderson, SC

Secondary Education and Spanish			
Jenny Rebecca Austen		Charlotte, NC	

#### BACHELOR OF SCIENCE

Health Science			
*Kelly Jo Andres	Beaufort, SC	Jenny Leigh Lawson	Spartanburg, SC
Stacey Jane Brennan	Grayslake, IL	Nancy Theresa McGinty	Oak Lawn, IL
Kristen Dyan Brown	Greenville, SC	Eric Martin Ramsey	Virginia Beach, VA
Amie Kaye Derrick	Seneca, SC	Louanne Elizabeth Rotola	Anderson, SC
Tanya Johnston Dillard	Clemson, SC	Melissa Ann Sox	Lexington, SC
Brian John Everhart	Fanwood, NJ		

Industrial Education			
*Romona Y. Armstead	Metuchen, NJ	**John Wendell Gillespie	Seneca, SC
Christopher Kevin Crenshaw	Moore, SC		

Mathematics Teaching			
Jesse Edward Breneman	Palm Beach Gardens, FL	Melvin Anthony Robinson, Jr.	Columbia, SC
Courtney Myers McCallion	Long Island, NY	Bryan Douglas Smith	Angelus, SC
Ryan Lee Player	Lancaster, SC		

Nursing			
April Joy Abercrombie	Pickens, SC	**Alma-Katherine Rast Hunter	Greenville, SC
**Carol Layton Adkins	Taylors, SC	Karin Lynn Hyatt	Simpsonville, SC
Angela Nicole Beam	Lugoff, SC	*Tara Elizabeth Johnson	Columbia, SC
Mary Elizabeth Burnett	Belton, SC	Kimberly Teresa Kamp	Seneca, SC
Rhiannon Nicole Capps	Goose Creek, SC	Rebecca Elizabeth Koch	Ninety Six, SC
*Cynthia S. Chasteen	Taylors, SC	Kimberly Michelle Landree	Sterling Heights, MI
Leslie Elizabeth Cribb	Camden, SC	*Stacey Kratzer Link	Lugoff, SC
*Lynn Allyson Curry	Fountain Inn, SC	Anna Dell Marchant	Charleston, SC
**Angela June Davis	Easley, SC	Michelle Ann Owens	Moncks Corner, SC
*Kimberly Michelle DeWitt	Columbia, SC	*Jennifer Lee Peterson	Simpsonville, SC
Gina Marie Domis	Columbia, SC	Iris L. Stovall	Greenville, SC
**Nancy Rankin Ewing	Anderson, SC	*Todd Joseph Cameron Tedesco	Greenville, SC
*Jason Coimenteado Hadley	Columbia, SC	***Marguerite Katherine Teer	Sumter, SC
Kellie Katherine Ham	Florence, SC	Allison Amanda Watts	Florence, SC
April Millicent Hardwick	Mullins, SC	Ann Mary Wielgus	Scotch Plains, NJ
Donna Smith Hemphill	Central, SC	Debra Kai Wilfong	Greenville, SC
Rodney Shane Horne	Lake View, SC	Jennifer Elizabeth Lynn Will	Marlboro, NJ
***Ellen Elizabeth Hotz	Cincinnati, OH		

Parks, Recreation, and Tourism Management			
Barrie Roberts Alewine	Greenville, SC	Christine Marie Goepfert	Chatham, NJ
Chadwick Mitchell Bishop	Greenville, SC	Elly James Jones	Marion, SC
Leslie Jean Bloking	Long Valley, NJ	William Dee Kirby, Jr.	Greenville, SC
Justin Tyson Boggs	Central, SC	Nancy Hunter Lowder	Sumter, SC
Paula Jane Brewer	Manning, SC	Jay Marshall McAdams	Greenwood, SC
Roy Edward Broughman III	Cayce, SC	Allison Courtney McNeill	Columbia, SC
Joshua Gene Burgess	Seneca, SC	*Meridith Kathleen Melton	Clemson, SC
James Riley Cathcart III	Chapin, SC	Mark Barrera Molinar	Van Horn, TX
Justin Wade Catto	Moore, SC	Anne Beaumont Nichols	Miami, FL
David Furman Cave	Charleston, SC	Meleana Luika Pierce	Charleston, SC
K. Brooke Comer	Rock Hill, SC	Anna Lorraine Rich	Wellford, SC
Jason Edward Crawford	Central, SC	Eileen Benton Skeoch	Frederiksted, St Croix
Lisa Michelle Dantzler	Lexington, SC	Erin Elizabeth Weir	Severna Park, MD
Allison Healy DeLand	Edison, NJ	Wendy Leigh Willingham	Columbia, SC
Jamie Lea Gibson	Pickens, SC	Andrew Henry Woolum	Chapin, SC

Science Teaching			
Leverett Marlin Bruner	Clemson, SC	*Stacy Melton Powell	Liberty, SC
Angela Marie Clark	Simpsonville, SC	Michael Eugene Wald	Westminster, SC
Nathan Paul Crawford	Lancaster, SC		

\*Cum laude: A grade point ratio of 3.40 to 3.69

\*\*Magna cum laude: A grade point ratio of 3.70 to 3.89

\*\*\*Summa cum laude: A grade point ratio of 3.90 to 4.00

+Departmental Honors: The graduates so designated have completed an enriched program of study designed by their departments with the approval of the Calhoun College Honors Program. To earn Departmental Honors students must complete an honors thesis and/or other upper division honors courses, while maintaining an overall grade-point ratio of 3.40 or higher. Departmental Honors graduates appear in the line of march wearing the Calhoun College Honors Medallion on an orange and purple ribbon. This medallion is made possible by an endowment established by Mrs. Katherine Inabinet Vickery of Columbia, South Carolina, to honor the memory of her husband and Clemson graduate, the late B. C. Inabinet.

Students wearing the white stoles over their gowns are members of honorary societies that require a minimum 3.00 grade point ratio for membership. The stoles have the University seal embroidered on one side, and on the other side are the emblem(s) of honorary societies in which the student is a member.

## Awards

### THE CLASS OF '39 AWARD FOR EXCELLENCE

In 1989 on the occasion of the 50<sup>th</sup> Anniversary of its graduation from Clemson University (then the Clemson Agricultural College of South Carolina), the Class of 1939 established the Award for Excellence. It is presented annually to a faculty member whose contributions over the immediately preceding five-year period are judged by the faculty member's peers to represent the highest achievement of service to the University and the Student Body.

#### RECIPIENT OF THE CLASS OF '39 AWARD FOR EXCELLENCE

JUDITH MARY MELTON

Professor of German and Women's Studies

### FACULTY SCHOLARSHIP AWARD

Established at Clemson University in 1959, this is presented by the faculty of Clemson University to the member of the graduating class who has the highest scholastic achievement. All graduates who have completed the requirements for the bachelor's degree since the last commencement exercise and who have completed at Clemson at least 75 percent of the work required for graduation shall be eligible for consideration.

#### RECIPIENTS OF THE FACULTY SCHOLARSHIP AWARD

SANDRA KAY POWERS

Post, NY

MARGUERITE KATHRINE TEER

Sumter, SC

## The University Regalia

The University mace is the symbolic representation of the whole of Clemson University and must be present at any convocation where the University, through its delegated members, is acting officially. At any official convocation such as commencement, the University Marshal, carrying the mace, precedes the President into the assembly. The mace rests before the President's chair or speaker's stand throughout the ceremony, and its removal from the assembly at the close of a convocation is symbolic of the official withdrawal of the University and, thus, the close of the proceedings.

The decorative design of Clemson's mace is derived from the ceremonial maces carried by heads of state and church in the Middle Ages. Its basic clublike shape, however, is much more ancient, probably going back to man's prehistory. It is made of walnut wood and silver, with the seal of the University in gold and the University colors represented by insets of cornelian (orange) and amethyst (purple). Amethyst is also the state stone of South Carolina.

The Presidential chain and seal is symbolic of the authority vested in the office of president by the governing body of the University. Only the University President may wear it, and while wearing it he speaks for the whole body of the institution. Clemson's chain and seal are made of silver and gold, and cornelian and amethyst.

The batons of the college marshals also descend from medieval "staffs of office" which were carried by the senior members of departments of state or church. They display the seal of the University and the symbolic color of the discipline to which the college belongs. Clemson's batons are made of walnut wood and silver with the various disciplines inset with enamel.

The University regalia were designed and executed by Mr. Robert Ebendorf. Mr. Ebendorf is twice winner of the Tiffany Award and one of the most acclaimed goldsmiths of our era. The enamel plaques for the batons were executed by the late Professor Marshall C. Bell, and the lapidary work was executed by the late Mr. C. C. Wilson of Clemson University.

## Historical Statement

Clemson University is named for Thomas Green Clemson (1807–1888), who left the bulk of his estate to the State of South Carolina for the founding of the institution.

Thomas Clemson was born in Philadelphia in 1807 and educated at the Royal School of Mines in Paris (1828–1832). His early profession was that of a mining engineer; however, circumstances diverted his interests into politics and the life of a southern planter, and he soon became an enthusiastic advocate of scientific agriculture. He had a career as a diplomat (charge d'affaires to Belgium, 1844–1852) and served as the first Superintendent of Agricultural Affairs in Washington (1860). As a scientist he published numerous articles in the fields of mining, chemistry and agriculture. His varied activities included his assistance in the founding of the Maryland Agricultural College, his support of the Morrill Act, his leadership in South Carolina after the Civil War, and his part in founding Clemson University.

Thomas Clemson was the son-in-law of South Carolina's John C. Calhoun, a political figure of national importance during the first half of the nineteenth century. Mr. Calhoun's home, Fort Hill, is preserved on the Clemson Campus as a national shrine.

The academic program at Clemson College began in 1893 with an enrollment of 446. The first "college prospectus" announced only two four-year curricula, supplemented by two two-year preparatory courses. Today the University has six major academic units. These are the College of Agriculture, Forestry and Life Sciences, the College of Architecture, Arts and Humanities, the College of Business and Public Affairs, the College of Engineering and Science, the College of Health, Education and Human Development, and the Graduate School.

The institution is an accredited member of the Southern Association of Colleges and Schools; various curricula are accredited by the Accreditation Board for Engineering and Technology, American Assembly of Collegiate Schools of Business, American Council for Construction Education, American Society of Landscape Architects, Computing Science Accreditation Board, Human Factors and Ergonomics Society, International Association for Management Education, National Architectural Accrediting Board, National Association of Industrial Technology, National Association of State Directors of Teacher Education and Certification, National Council for Accreditation of Teacher Education, National League for Nursing, Planning Accrediting Board, and Society of American Foresters.

Clemson is a land-grant institution. As such, it is engaged not only in its primary academic program, but does extensive research at the main campus and at five agricultural experiment stations located in the State. The University is also heavily committed to a varied program of public service, including the work of agricultural extension which has professional personnel located in each of the State's counties.

## CLEMSON ALMA MATER

A. C. Corcoran, '19

Where the Blue Ridge yawns its greatness,  
Where the Tigers play;

Here the sons of dear old Clemson  
Reign supreme alway.

### Chorus

Dear old Clemson, we will triumph  
And with all our might,

That the Tiger's roar may echo  
O'er the mountain height.

We will dream of great conquests,  
For our past is grand,

And her sons have fought and conquered  
Every foreign land.

Where the mountains smile in grandeur  
O'er the hill and dale.

Here the Tiger lair is nestling  
Swept by storm and gale.

We are brothers strong in manhood,  
For we work and strive;

And our alma mater reigneth  
Ever in our lives.