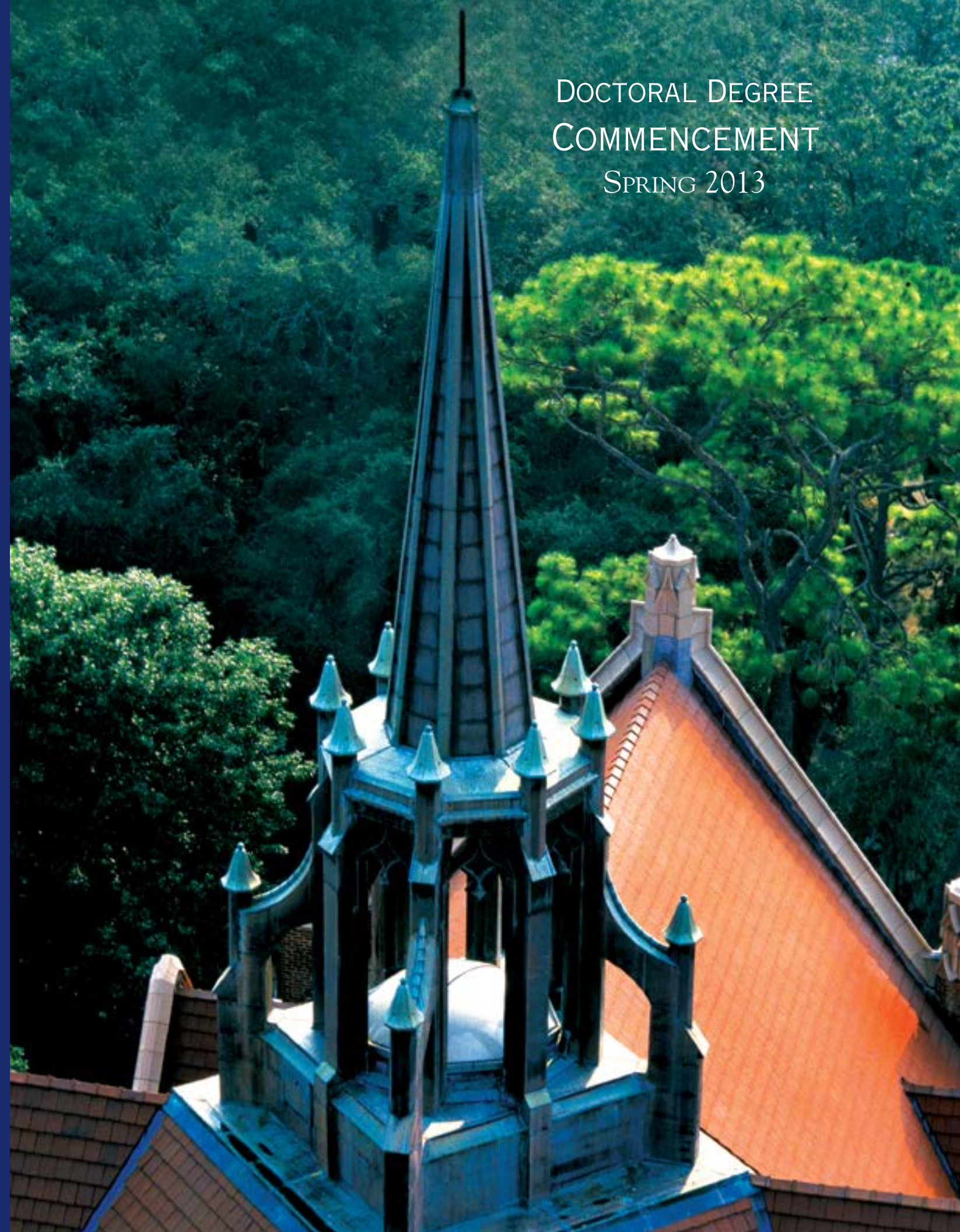


Commencement

DOCTORAL DEGREE
COMMENCEMENT
SPRING 2013



Dr. J. Bernard Machen

Bernie Machen was appointed Florida's 11th president in January 2004. During his tenure, he has expanded the university's research and scholarship endeavors, elevated its educational programs and increased access to students from a diversity of economic backgrounds – all while shepherding the university through an era of growing financial challenges.

Under President Machen's leadership, UF's annual research funding has soared to \$619 million. He has presided over a major expansion of research facilities, grown UF's noted technology commercialization enterprise, and led the Florida Tomorrow capital campaign, a five-year effort that raised \$1.7 billion in gifts, pledges and commitments — \$201 million more than the \$1.5 billion goal.

A longtime advocate for giving students from all walks of life the chance to attend college, Dr. Machen in 2005 pioneered the Florida Opportunity Scholars program, now known as the Machen Florida Opportunity Scholars Program, which pays tuition, room and board for students from disadvantaged backgrounds. More than 2,600 students have attended UF as recipients of the scholarship.

Like other universities nationwide, UF has faced several years of declining state support. Dr. Machen has led Florida's 12 public universities' response to these declines, successfully advocating lawmakers to step up statewide tuition increases while allowing universities greater flexibility in setting their own tuition. President Machen also launched a university-wide sustainability campaign considered a model in public higher education.

Prior to his appointment at UF, Dr. Machen served for six years as president of the University of Utah. His previous positions include provost and executive vice president for academic affairs at the University of Michigan; dean of dentistry at the University of Michigan and associate dean at the University of North Carolina School of Dentistry.



A member of the Florida Council of 100, he has held several prominent positions in statewide and national higher education leadership – including as a member of the National Security Higher Education Advisory Board and the Board of Directors for the 2002 Winter Olympics in Salt Lake City. He earned his doctor of dental surgery from St. Louis University and doctorate in educational psychology from the University of Iowa, both of which have honored him with distinguished alumnus awards.

He and his wife, Chris, a former nurse who has been heavily involved in the university's environmental initiatives, have three children and four grandchildren.



*O*n behalf of the University of Florida administration, faculty and staff, I want to extend my heartfelt congratulations to you, the doctoral graduates of the Class of 2013, and to your family and friends.

At the University of Florida, doctoral education is our spirit and our soul. It is who we are as a university, and has been since UF graduated its first doctoral students in 1934. Today's ceremony celebrates your hard work and achievement in continuing this historic legacy. You should be proud, as should all who supported and assisted you in your efforts.

With the ambassador of France to the United States, François Delattre, as our commencement speaker, today is a day of celebration, but also it is a day of reflection on what lies ahead. Whatever path you choose, I am confident you have acquired the skills and knowledge you need to be a success. Whether you pursue a career in public service, private industry, academe, the sciences or the arts, I know you will make a difference.

It has been a privilege and a pleasure to host you during your academic career. You have learned much, and this university has benefited in turn from your presence. I hope you will recall your years here with a sense that they were happy and productive. As members of UF's distinguished alumni, and as graduates who have earned our highest degrees, you will always be cherished at the University of Florida.

A handwritten signature in black ink that reads "J. Bernard Machen". The signature is written in a cursive, flowing style.

J. Bernard Machen

The University of Florida

The University of Florida traces its origins to the establishment of the East Florida Seminary, Florida's first institution of higher learning, in 1853. After the Civil War, the seminary was moved to Gainesville. It was consolidated with the state's land-grant Florida Agricultural College, then in Lake City, to become the University of Florida in 1906. Until 1947, UF was designated for men and was one of only three state universities. Today, with nearly 50,000 students, the University of Florida is among the most populous universities in the nation.

UF, one of the largest of Florida's 12 state universities, is governed by the State Board of Education, the Florida Board of Governors and the University of Florida Board of Trustees.

The University of Florida joined the ranks of North America's best graduate research institutions with its admission in 1985 to the Association of American Universities, the most prestigious organization in higher education. The university also has been recognized by the

Carnegie Commission on Higher Education as one of the nation's leading research universities.

The University of Florida encompasses 16 colleges, five schools and more than 100 interdisciplinary research and education centers, bureaus and institutes. Students can choose majors from 100 undergraduate degree programs, approximately 200 graduate programs and 30 combined degree programs. Professional postbaccalaureate degrees are offered in dentistry, law, medicine, nursing, pharmacy, physical therapy and veterinary medicine. More than 32,000 people participate annually in noncredit courses, conferences, workshops, institutes and seminars.

The university employs more than 4,000 faculty members and approximately 8,400 administrative, professional and support staff. With operations in more than 900 buildings on 2,000 acres, the university has research centers, extension operations, clinics and/or other facilities and affiliates in every county in Florida.

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J. Bernard Machen, D.D.S., M.S., Ph.D.
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Vice President - University Relations

Jamie Lewis Keith, J.D.
Vice President - General Counsel

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Matthew Fajack, B.S.
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David Norton, Ph.D.
Vice President - Research

Winfred M. Phillips, D.Sc.
Senior Vice President and Chief Operating
Officer - Administration

Paula Varnes Fussell, M.B.A.
Vice President - Human Resource Services

Curtis Reynolds, M.B.A., M.S.E.E.
Vice President - Business Affairs

DEANS OF THE UNIVERSITY

Teresa C. Balsler, Ph.D.
College of Agricultural and
Life Sciences

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Graduate School

Michael L. Good, M.D.
College of Medicine

John Kraft, Ph.D.
Warrington College of
Business Administration

Kelli R. Brown, Ph.D.
Interim, College of Health and
Human Performance

Kathleen Ann Long, Ph.D.
College of Nursing

Teresa A. Dolan, D.D.S.
College of Dentistry

Nick Place, Ph.D.
IFAS Extension

William H. Riffie, Ph.D.
College of Pharmacy

Christopher Silver, Ph.D.
College of Design, Construction
and Planning

John Hayes, Ph.D.
IFAS Research

Michael G. Perri, Ph.D.
College of Public Health and
Health Professions

Glenn E. Good, Ph.D.
College of Education

David J. Sammons, Ph.D.
International Center

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College of Veterinary Medicine

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College of Engineering

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College of Journalism and
Communications

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University Libraries

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College of Fine Arts

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Jen Day Shaw, Ph.D.
Dean of Students

Paul J. D'Anieri, Ph.D.
College of Liberal Arts and Sciences

PHOTOGRAPHS—The university requests that all commencement guests remain in their seats while taking photographs; no guests are permitted in the graduates' seating area. Photographs of the graduates as they cross the stage are available through companies that have contracts with the university. Color photographs are available from University Photography, PO Box 2454, Tuscaloosa, AL 35403-2454, 205-391-9500.

Commencement Marshals

Chief Marshal

Ronald Spitznagel, Ed.D.

Associate Chief Marshals

M. Harry Daniels, Ph.D.

F. Leslie Smith, Ph.D.

Marshals At-Large

James Babanikos, Ph.D.

James Baciak, Ph.D.

Edmund A. Kellerman, Ph.D.

Diana Nagy, M.A.M.C.

Theresa Vernetson, Ed.D.

Marna Weston, M.Sci.

Kathryn R. Williams, Ph.D.

MARSHALS FOR DOCTORAL DEGREE CEREMONY

Agricultural and Life Sciences: Jerry Bartz, Ph.D.; Marc Branham, Ph.D.; Hannah Carter, Ph.D.; Claudio Gonzalez, Ph.D.; Mercy Olmstead, Ph.D.

Business Administration: Henry Anderson, B.S.; Lucinda DiLeo, M.B.A.; Colin Knapp, Ph.D.; Berna Mutlu, Ph.D.

Design, Construction and Planning: Kathryn Frank, Ph.D.; E. Douglas Lucas, Ph.D.; Mary Padua, Ph.D.; Lucky Shin-Jyun Tsaih, Ph.D.

Education: Alyson Adams, Ph.D.; Ellen Amatea, Ph.D.; M. Harry Daniels, Ph.D.; Cynthia Griffin, Ph.D.; Holly Lane, Ph.D.; Dorene Ross, Ed.D.; Theresa Vernetson, Ed.D.

Engineering: Tommy Angelini, Ph.D.; Kwansun Cho, M.S.; Barron Henderson, Ph.D.; David Hintenlang, Ph.D.; Peng Jiang, Ph.D.; Jasmeet Judge, Ph.D.; Gloria Kim, Ph.D.; George Lan, Ph.D.; Wei-Yang Lo, M.S.; Jih-kwon Peir, Ph.D.; Jennifer Rice, Ph.D.; Yong Yang, Ph.D.

Fine Arts: Raymond Chobaz, Ph.D.; Stacey Galloway, M.F.A.; D. Craig Roland, Ed.D.

Health and Human Performance: Peter Adhietty, Ph.D.; Joslyn Ahlgren, Ph.D.; Trevor Bopp, Ph.D.; Leonardo Ferreira, Ph.D.

Journalism and Communications: Lisa Duke-Cornell, Ph.D.; Kathleen Kelly, Ph.D.; Michael Leslie, Ph.D.; Kim Walsh-Childers, Ph.D.

Liberal Arts and Sciences: Paul Avery, Ph.D.; Reba Bandyopadhyay, Ph.D.; Brad Barbazuk, Ph.D.; Rebecca Butcher, Ph.D.; Steven Detweiler, Ph.D.; Ben Killian, Ph.D.; Haywood Smith, Ph.D.; Betty Smocovitis, Ph.D.; Colette St. Mary, Ph.D.

Medicine: Brian Cain, Ph.D.; Paul Gulig, Ph.D.; Suming Huang, Ph.D.; Brian Law, Ph.D.; Ann Progulsk-Fox, Ph.D.

Nursing: Jean Ballantyne, Ph.D.; Laura Bond Sutton, Ph.D.; Jennifer Donelan, M.S.N.; Sheri H. Manguiera, M.S.N.

Pharmacy: Katie Anderson, Ph.D.; Heather Hardin, Ph.D.; Cary Mobley, Ph.D.; Art Wharton, M.S.

Public Health and Health Professions: Gina An, M.A./S.L.P.; Alba Burns, M.D.; Jason Craggs, Ph.D.; Maria Khan, Ph.D.; Crystal Lim, Ph.D.; Edward Lobarinas, Ph.D.; Donovan Lott, P.T./Ph.D.; Xiaomin Lu, Ph.D.; Sue McGorray, Ph.D.; Tara Sabo-Attwood, Ph.D.; Christopher Spankovich, Au.D./Ph.D.; Cathy Striley, Ph.D.; Nicole Whitehead, Ph.D.

Veterinary Medicine: Paul Davenport, Ph.D.; Iskande Larkin, Ph.D.; Daniel Dean Lewis, D.V.M.; Maureen Long, Ph.D.

COMMENCEMENT PLANNING COMMITTEE

Chairman Ronald Spitznagel, Ed.D.; Florida Bridgewater-Alford, B.S.; Jason Byrd, Ph.D.; M. Harry Daniels, Ph.D.; Tracy Gale, B.S.; Bernard Mair, Ph.D.; Peggy McBride, M.L.I.S.; Stephen J. Pritz Jr., B.S.; Lynda Reinhart, M.S.; F. Leslie Smith, Ph.D.; Joseph Spillane, Ph.D.; Donna Stricker, B.S.; Jay Watkins, M.M.E.
Students: Tanya Dolfi, Erica Eisler, Joey Michaels



Commencement Ceremonies

PROFESSIONAL DEGREE CEREMONIES

College of Dentistry

Professional Degrees (DMD) and Masters Degrees
Friday, May 17, 2:30 p.m.
Phillips Center for the Performing Arts

Fredric G. Levin College of Law

Professional Degrees (JD and LL.M.) Only
Friday, May 10, 2:00 p.m.
Stephen C. O'Connell Center

College of Medicine

Professional Degrees (MD) Only
Saturday, May 11, 9:00 a.m.
Phillips Center for the Performing Arts

College of Medicine

Masters of Physician Assistant Studies Degrees Only
Saturday, June 22, 3:30 p.m.
Phillips Center for the Performing Arts

College of Pharmacy

Professional Degrees (PharmD) and Masters Degrees
Monday, May 6, 2:00 p.m.
Stephen C. O'Connell Center

College of Veterinary Medicine

Professional Degrees (DVM) and Masters Degrees
Saturday, May 25, 2:00 p.m.
Phillips Center for the Performing Arts

DOCTORAL DEGREE CEREMONY

Friday, April 26, 4:00 p.m.
Stephen C. O'Connell Center

MASTERS & SPECIALIST DEGREE CEREMONY

Friday, May 3, 4:00 p.m.
Stephen C. O'Connell Center

College of Education
College of Fine Arts
College of Health and Human Performance
College of Journalism and Communications
College of Liberal Arts and Sciences
College of Medicine
College of Public Health and Health Professions
Warrington College of Business Administration
Hough Graduate School

INDIVIDUAL COLLEGE CEREMONIES

College of Agricultural and Life Sciences

School of Natural Resources and Environment
Bachelors and Masters Degrees
Sunday, May 5, 9:00 a.m.
Stephen C. O'Connell Center

College of Design, Construction and Planning

M.E. Rinker, Sr. School of Building Construction
Bachelors and Masters Degrees
Saturday, May 4, 3:00 p.m.
Phillips Center for the Performing Arts

INDIVIDUAL COLLEGE CEREMONIES

College of Engineering

Bachelors and Masters Degrees
Sunday, May 5, 7:00 p.m.
Stephen C. O'Connell Center

College of Nursing

(Bachelors, Masters, Professional and Doctor of Nursing Practice Degrees)
Friday, May 3, 11:00 a.m.
Phillips Center for the Performing Arts

BACHELOR DEGREES CEREMONIES

Saturday, May 4, 9:00 a.m.

Stephen C. O'Connell Center

College of Liberal Arts and Sciences

Anthropology
Astronomy
Biology (including Botany and Zoology)
Chemistry (including Biochemistry)
Classical Studies
Computer Science
Economics
English
Geography
Geological Sciences
History

Saturday, May 4, 2:00 p.m.

Stephen C. O'Connell Center

College of Liberal Arts and Sciences

Interdisciplinary Studies
International Studies
Jewish Studies
Languages, Literatures and Cultures
(including Asian studies, East Asian languages, French, German and Russian)
Linguistics
Mathematics
Microbiology and Cell Science
Philosophy
Physics
Political Science
Psychology
Religion
Sociology, Criminology and Law
Spanish and Portuguese
Statistics
Sustainability Studies
Women's Studies and Gender Research

Saturday, May 4, 7:00 p.m.

Stephen C. O'Connell Center

Warrington College of Business Administration

Fisher School of Accounting
Heavener School of Business

College of Education

College of Public Health and Health Professions

Sunday, May 5, 2:00 p.m.

Stephen C. O'Connell Center

College of Fine Arts

College of Health and Human Performance
College of Journalism and Communications



Commencement Agenda – Friday, April 26, 4:00 p.m.

Presiding.....	J. Bernard Machen <i>University President</i>
Processional.....	Gainesville Brass Quintet
National Anthem.....	Ronald Burrichter Gainesville Brass Quintet
Welcome and Introductions.....	J. Bernard Machen
Commencement Address	François Delattre <i>Ambassador of France to the United States</i>
Presenting Candidates for Doctoral Degrees	Kenneth Gerhardt <i>Associate Dean, Graduate School</i>
Conferring of Doctoral Degrees	J. Bernard Machen
Alma Mater	Ronald Burrichter Gainesville Brass Quintet
Platform Party Recessional	Gainesville Brass Quintet
Postlude.....	Gainesville Brass Quintet



Commencement Speaker

François Delattre

François Delattre was appointed ambassador of France to the United States in February 2011 after serving as ambassador of France to Canada (2008-2011), consul general in New York (2004-2008) and press and communications director at the French Embassy in Washington, D.C. (1998-2002).

A member of President Jacques Chirac's foreign policy team (1995-1998), Ambassador Delattre was responsible for European and trans-Atlantic defense and security matters and managing the Bosnian crisis.

He also served as deputy director of the French foreign minister's office (2002-2004) and was a member of Foreign Minister Alain Juppé's cabinet (1993-1995), following two years with the Strategic, Security and Disarmament Department of the French Foreign Ministry (1991-1993).



Ambassador Delattre was posted in Bonn at the French Embassy in Germany (1989-1991), where he was in charge of matters pertaining to the economic impact of Germany's unification and the environment.

UF Graduate School

The reputation of a research university is, in large part, measured by the excellence of its graduate faculty and graduate students. The University of Florida's graduate faculty and graduate students help to push the boundaries of research, develop the technologies of the future, improve the health of our citizenry, reshape our social and economic culture, expand scholarship, and create beauty in many forms.



Doctor of Philosophy

The Doctor of Philosophy degree was established in the late 19th century as the highest earned degree in American graduate schools. This degree program, which stresses competence in research, awards the credential most commonly held by college professors and researchers. Although requirements of the doctorate vary from one institution to another, certain prerequisites are typical: coursework, a qualifying examination, an approved dissertation and a final examination. Doctoral students work closely with a major professor who serves as an advisor, mentor, critic, confidant and promoter.

Doctor of Education

The Doctor of Education degree was introduced at the University of Florida in the mid-1940s. This degree is conferred in recognition of the development of sound scholarship in professional education and closely related fields, and demonstrated ability to apply that knowledge as an administrator, supervisor or teacher. Requirements vary by discipline but generally include coursework, a qualifying examination, the completion of a dissertation and final examinations. Students are mentored by a major professor and supported by a supervisory committee comprising members of the graduate faculty.

Doctor of Audiology

The Doctor of Audiology degree was first awarded to students at the University of Florida in 2000. This degree is the highest university award given in this field in recognition of completion of academic preparation for the clinical practice of audiology. The degree requires four years of study beyond the bachelor's degree, including academic coursework, supervised clinical experiences, yearly academic and clinical evaluation by the faculty, and a final examination.

Doctor of Plant Medicine

The Doctor of Plant Medicine degree was established at the University of Florida in 1999 to provide all segments of agriculture with rapid, accurate and scientifically sound diagnoses and management strategies for all types of plant health problems. This multidisciplinary program consists of courses and practical training in all relevant departments. Students are trained in the science, practice and business of the profession of plant medicine and complete coursework and written and oral comprehensive examinations.

Doctor of Physical Therapy

The Doctor of Physical Therapy degree is a professional doctoral program that prepares graduates to become entry-level physical therapists and was established at the University of Florida in 2005. The degree requires three years of coursework and clinical practicum beyond the bachelor's degree. Completion of the program enables graduates to sit for the licensure examination to practice physical therapy.

GRADUATE SCHOOL

HENRY T. FRIERSON, ASSOCIATE VICE PRESIDENT AND DEAN OF THE GRADUATE SCHOOL

DOCTOR OF PHILOSOPHY

Miguel Acevedo Torres, Bachelor of Science in Biology, 2002, Master of Science in Biology, 2006,
University of Puerto Rico—Rio Piedras

Major: *Interdisciplinary Ecology*
Dissertation: The Implications of Asymmetric Dispersal for Metapopulation Dynamics and Conservation
Dissertation Chairperson: R. J. Fletcher Jr.

Brittany Adams, Bachelor of Science in Psychology, 2007, Bachelor of Science in Animal Science, 2007, Master of Science,
2010, University of Georgia

Major: *Agricultural Education and Communication*
Dissertation: Using Horses to Teach Authentic Leadership Skills to At-Risk Youth
Dissertation Chairperson: N. L. Stedman

Laura Adamson, Bachelor of Science, 2008, Iowa State University

Major: *Medical Sciences—Immunology and Microbiology*
Dissertation: Human Parvovirus B19 Expression in Thyroid Disease Correlates with Increased Inflammation
Dissertation Chairperson: J. A. Hobbs

Sevcan Agdas, Bachelor of Arts, 2006, Hacettepe University—Turkey; Master of Science, 2010, University of Florida

Major: *Civil Engineering*
Dissertation: Effects of Problem Based Learning on Development of Critical Thinking Skills and Dispositions in Engineering
Dissertation Chairperson: R. D. Ellis

Divya Agrawal, Bachelor of Engineering, 2005, Visvesvaraya Technological University—India; Master of Science, 2008,
University of Florida

Major: *Electrical and Computer Engineering*
Dissertation: Approximating Ambient D-Region Electron Densities Using Dual-Beam High Frequency (HF) Heating Experiments at High-Frequency Active Auroral Research Program (HAARP)
Dissertation Chairperson: R. C. Moore

Yong-Mo Ahn, Bachelor of Arts, 2003, Master of Arts in Chemistry, 2004, Wesleyan University—Connecticut

Major: *Chemistry*
Dissertation: Inhibition and Functional Characterization of Glutamine-Dependent Asparagine Synthetase
Dissertation Chairperson: J. D. Stewart

Eduardo Alava Hidalgo, Titulo de Ingeniero Agropecuario, 2005, Escuela Superior Politecnica del Litoral—Ecuador;
Master of Science, 2009, Master of Agribusiness, 2009, University of Florida

Major: *Agronomy*
Dissertation: Tifton 85 Bermudagrass Grazing Management Effects on Animal Performance and Pasture Characteristics
Dissertation Chairperson: Y. C. Newman

Sergio Alvarez, Bachelor of Arts *summa cum laude*, 2006, Master of Science, 2008, University of Florida

Major: *Food and Resource Economics*
Dissertation: Three Essays in the Economics of Marine Resource Management
Dissertation Chairperson: S. L. Larkin

Shinichi Amano, Bachelor of Mechanical Engineering, 2001, Kobe University—Japan; Bachelor of Science in Education,
2006, Louisiana State University and A&M College

Major: *Health and Human Performance*
Dissertation: Gait and Postural Stability in Persons with Progressive Supranuclear Palsy
Dissertation Chairperson: C. J. Hass
Dissertation Cochairperson: M. D. Tillman

Salma Amensag, Diplome d'Ingenieur, 2009, Université Blaise at Pascal—France; Master of Science, 2009, University of Oklahoma

Major: *Biomedical Engineering*
Dissertation: The Human Amniotic Membrane as a Bioscaffold for Vascular Tissue Engineering
Dissertation Chairperson: P. McFetridge

Olugbenga Anubi, Bachelor of Science in Systems Engineering, 2006, University of Lagos—Nigeria

Major: *Mechanical Engineering*
Minor: *Mathematics*
Dissertation: Variable Stiffness Suspension System
Dissertation Chairperson: C. D. Crane

Akshay Kumar Anugu, Bachelor of Technology, 2006, Osmania University—India; Master of Science, 2009, Alabama A&M University

Major: *Food Science and Human Nutrition*
Dissertation: Microbial Inactivation and Allergen Mitigation of Food Matrix by Pulsed Ultraviolet Light
Dissertation Chairperson: W. Yang

Kimberly Arnott, Bachelor of Science in Civil Engineering, 2008, University of North Florida; Master of Science, 2009, University of Florida

Major: *Coastal and Oceanographic Engineering*
Dissertation: Temporal and Lateral Variability of the Vertical Structure of Turbulent Kinetic Energy Dissipation and Mixing Across a Coastal Plain Estuary
Dissertation Chairperson: A. Valle-Levinson

Julie Baldwin, Bachelor of Arts, 2004, University of North Florida; Master of Arts, 2007, John Jay College of Criminal Justice at City University of New York

Major: *Criminology, Law, and Society*
Dissertation: Veterans Treatment Courts: Studying Dissemination, Implementation, and Impact of Treatment-Oriented Criminal Courts
Dissertation Chairperson: J. F. Spillane
Dissertation Cochairperson: J. S. Lane

Carl Ballesteros, Bachelor of Science, 2006, University of Florida

Major: *Chemistry*
Dissertation: Diastereoselective Gold (I) and Bismuth (III) Catalyzed Cyclizations of 1,4 and 1,5-Diols in the Formation of Substituted 1,3-Dioxolanes, 1,3-Dioxanes, and 4,5-Dihydropyrans.
Dissertation Chairperson: A. S. Aponick

Elango Balu, Bachelor of Technology, 2007, Sardar Vallabhbhai National Institute of Technology—India; Master of Science, 2008, University of Florida

Major: *Mechanical Engineering*
Dissertation: A Study of Biomass Gasification Systems and Hydrogen Production Using High Temperature Proton Conducting Ceramic Membrane
Dissertation Chairperson: J. N. Chung

Paul Bardunias, Bachelor of Science in Biology, 1992, University of Miami—Florida; Master of Arts, 2009, University of Kansas

Major: *Entomology and Nematology*
Dissertation: Traffic Flow and Tactile Interactions Organize the Labor of Subterranean Termites During Tunnel Excavation: An Alternative to Scent Mediated Stigmery
Dissertation Chairperson: N. Su

Robert Barnes, Bachelor of Arts in Psychology, 2000, Master of Arts, 2003, California State University at Chico

Major: *Rehabilitation Science*
Dissertation: Psychological Distress in Patients with Orthopaedic Trauma Injuries
Dissertation Chairperson: M. Horodyski

Samantha Barnsfather, Bachelor of Arts, 2001, Campbellsville College—Kentucky

Major: *Music*
Dissertation: Nationalism and Eclecticism in the Selected Songs of Ronald Stevenson (b.1928)
Dissertation Chairperson: D. Z. Kushner

Amanda Barrett, Bachelor of Science, 2006, University of Florida

Major: *Medical Sciences—Immunology and Microbiology*
Dissertation: Pg0553 Plays a Significant Role in Por Secretion and Gingipains Processing in Porphyromonas Gingivalis Strain W83
Dissertation Chairperson: A. Progulsk-Fox

Fatmata Barrie, Bachelor of Science in Mechanical Engineering, 2007, Carnegie-Mellon University—Pennsylvania; Master of Science in Mechanical Engineering, 2009, Texas A&M University at College Station; Master of Science, 2011, University of Florida

Major: *Materials Science and Engineering*
Dissertation: Shape Memory Alloy Reinforcement Design for Self-Healing Metal Matrix Composites
Dissertation Chairperson: M. V. Myers

Joeva Barrow, Bachelor of Science *cum laude*, 2005, Master of Science, 2008, University of Florida

Major: *Medical Sciences—Biochemistry and Molecular Biology*
Dissertation: Analyzing the Beta-Globin Cis-Regulatory Elements Using Artificial DNA-Binding Domains
Dissertation Chairperson: J. Bungert

Saleh Batais, Bachelor of Arts, 2001, King Saud University—Saudi Arabia; Master of Arts, 2007, Indiana University at Bloomington

Major: *Linguistics*
Dissertation: Consonantal and Syllabic Repairs of Arabic and Dutch Loanwords in Indonesian: A Phonological Account
Dissertation Chairperson: C. R. Wiltshire

Ranjan Batra, Bachelor of Pharmacy, 2005, University of Delhi—India

Major: *Medical Sciences—Genetics*
Dissertation: Dysregulation of Alternative Polyadenylation in Neuromuscular Disease
Dissertation Chairperson: M. S. Swanson

William Batson, Bachelor of Science, 2008, Clemson University—South Carolina

Major: *Chemical Engineering*
Dissertation: Faraday Waves in Small Cylinders and the Sidewall Non-Ideality
Dissertation Chairperson: R. Narayanan

Patrick Bekoe, Bachelor of Science in Civil Engineering, 2003, Kwame Nkrumah University of Science and Technology—Ghana; Master of Engineering, 2009, University of Florida

Major: *Civil Engineering*
Dissertation: Concrete Containing Marginal Aggregates: Mechanical Behavior and Application in Concrete Pavement
Dissertation Chairperson: M. Tia

Heather Bell, Bachelor of Arts, 1997, University of Victoria—Canada; Master of Arts, 2008, Dalhousie University—Canada

Major: *Health and Human Performance*
Dissertation: Paddling Together: Women's Team Sport Experiences and Relationships
Dissertation Chairperson: H. J. Gibson

Elizabeth Belshe, Bachelor of Science *cum laude*, 2002, University of Florida; Master of Science, 2005, University of North Carolina at Wilmington

Major: *Botany*
Dissertation: Effects of Permafrost Thaw on Tundra Carbon Balance over Space and Time
Dissertation Chairperson: E. A. Schuur

Rupesh Bhomia, Master of Science, 2004, Oxford University; Master of Science, 2004, Master of Science, 2004, Jawaharlal Nehru University—India

Major: *Soil and Water Science*
Dissertation: Long Term Accretion of Phosphorus in Wetlands: The Everglades Stormwater Treatment Areas as a Case Example
Dissertation Chairperson: K. R. Reddy

Mohammad Biswas, Bachelor of Chemical Engineering, 2008, Auburn University—Alabama

Major: *Chemical Engineering*
Dissertation: Model Development and Control Design of Fuel Cell Systems to Power Portable Devices
Dissertation Chairperson: O. D. Crisalle

Kendra Blaker, Bachelor of Science in Chemistry, 2003, Berry College—Georgia; Master of Arts in Theology, 2007, Gordon-Conwell Theological Seminary—Massachusetts; Master of Science, 2010, University of Florida
Major: *Horticultural Science*
Dissertation: Comparison of Crisp and Standard Fruit Texture in Southern Highbush Blueberry
Dissertation Chairperson: J. Olmstead

Becky Blanchard, Bachelor of Arts, 2002, Stanford University—California; Master of Arts, 2008, University of Florida
Major: *Anthropology*
Dissertation: Working on the Water: Oystermen and Environmental Governance in Apalachicola Bay
Dissertation Chairperson: B. H. Chalfin

Dimitri Blondel, Bachelor of Arts in Biology, 1996, Duke University—North Carolina; Master of Science, 2006, University of Florida
Major: *Zoology*
Dissertation: Stress, Corticosterone, and the Social Behavior of the Prairie Vole *Microtus Ochrogaster*: An Integrative Approach
Dissertation Chairperson: S. M. Phelps
Dissertation Cochairperson: C. M. St. Mary

Amy Borello, Bachelor of Science in Environmental Engineering *magna cum laude*, 2009, University of Florida
Major: *Environmental Engineering Sciences*
Dissertation: Photochemical Reaction Mechanisms of Aqueous Mercury for Application of Removal Technologies
Dissertation Chairperson: D. W. Mazyck

Kara Bridgman Sweeney, Bachelor of Arts in Anthropology, 1995, University of South Carolina at Columbia; Master of Arts in Archaeology, 1999, University College Cork—Ireland
Major: *Anthropology*
Dissertation: A Complex Web of History and Artifact Types in the Early Archaic Southeast
Dissertation Chairperson: K. E. Sassaman

Heather Brown, Bachelor of Science in Biological Sciences, 2008, University of Rochester—New York
Major: *Medical Sciences—Immunology and Microbiology*
Dissertation: *Chlamydia trachomatis* Causes Host Cells to Fail in Cytokinesis Due to Centrosome Declustering and DNA Bridging
Dissertation Chairperson: S. S. Grieshaber

Russell Brown, Bachelor of Music *magna cum laude*, 1998, Valdosta State University—Georgia; Master of Music, 2000, Ohio State University; Master of Music, 2004, University of Florida
Major: *Music*
Dissertation: The Expansion of the Contemporary Wind Ensemble: An Analysis of John Corigliano's Symphony No. 3, "Circus Maximus"
Dissertation Chairperson: J. P. Sain

Taryn Buckley, Bachelor of Science in Health Education *cum laude*, 2007, Master of Science, 2009, University of Florida
Major: *Health and Human Performance*
Dissertation: Can Self-Efficacy and Motivation to Participate in Physical Activity Predict Health Related Quality of Life in Girls
Dissertation Chairperson: C. E. Stopka-Boyd
Dissertation Cochairperson: J. Chaney

Joseph Burgett, Bachelor of Science in Building Construction, 2002, Master of Science in Building Construction, 2011, University of Florida
Major: *Design, Construction, and Planning*
Minor: *Real Estate*
Dissertation: Improving Residential Miscellaneous Electrical Load Modeling by Including Occupant Characteristics
Dissertation Chairperson: A. R. Chini

Jennifer Cabrelli Amaro, Bachelor of Arts in Spanish, 2001, Michigan State University; Master of Arts in Spanish, 2004, Middlebury College—Vermont
Major: *Romance Languages—Spanish*
Dissertation: The Phonological Permeability Hypothesis: Measuring Regressive L3 Influence to Test L1 and L2 Phonological Representations
Dissertation Chairperson: J. Rothman

Dawn Calibeo, Bachelor of Science, 1999, University of Florida; Master of Science in Entomology, 2002, North Carolina State University
Major: *Entomology and Nematology*
Dissertation: An Integrated Pest Management Strategy for *Nylanderia Fulva* in Florida
Dissertation Chairperson: F. M. Oi

Kristine Callis-Duehl, Bachelor of Science in Botany, 2002, Master of Science in Botany, 2005, North Carolina State University
Major: *Botany*
Dissertation: Herbivory Rates Across a Latitudinal Gradient Using Silica as a Model Physical Plant Defense
Dissertation Chairperson: D. J. Levey

Michael Cannell, Bachelor of Arts in Political Science, 2005, University of North Texas; Master of Public Health, 2009, University of Louisville—Kentucky
Major: *Epidemiology*
Dissertation: Frequency and Effects of Physical, Verbal, and Sexual Abuse in Older Adults
Dissertation Chairperson: T. M. Manini

Weiran Cao, Bachelor of Natural Science, 2008, University of Science and Technology—China
Major: *Materials Science and Engineering*
Dissertation: Optical Management in Organic and Inorganic Optoelectronic Devices
Dissertation Chairperson: J. Xue

Mauro Carassai, Laurea in Lingue e Letterature Straniere Moderne, 2005, University of Macerata—Italy; Master of Arts, 2007, University of Leeds—United Kingdom
Major: *English*
Dissertation: A Digital Media Poetics
Dissertation Chairperson: G. L. Ulmer

Gonzalo Casanova Garcia, Titulo de Ingeniero Mecanico, 2003, Titulo de Magister en Ingenieria, 2006, Universidad del Valle—Colombia
Major: *Mechanical Engineering*
Dissertation: Evaluation of the Effect of Needle Insertion Speed in Convection-Enhanced Delivery Into the Rat Brain
Dissertation Chairperson: M. Sarntinoranont

Miguel Castillo García, Bachelor of Science in Agriculture, 2006, Escuela Agrícola Panamericana—Honduras; Master of Science, 2009, University of Florida
Major: *Agronomy*
Minor: *Soil and Water Science*
Dissertation: Strip-Planting of *Rhizoma* Peanut in Bahiagrass Pastures to Increase Production and Sustainability of Low-Input Forage-Livestock Systems in Florida
Dissertation Chairperson: L. E. Sollenberger

Arkendu Chatterjee, Master of Science, 2004, Calcutta University—India
Major: *Statistics*
Dissertation: Bayesian Model Selection and Fit for Incomplete Longitudinal Data
Dissertation Chairperson: M. J. Daniels

Diane Chauliac, Diplome d'Ingenieur, 2007, Universite Mediterranee—France
Major: *Microbiology and Cell Science*
Dissertation: Development of a Thermochemical Process for Hydrolysis of Polylactic Acid Polymers to L-Lactic Acid and Its Purification Using an Engineered Microbe
Dissertation Chairperson: P. C. Pullammanappallil

Darío Chávez Velásquez, Titulo de Ingeniero Agronomo, 2005, Escuela Agrícola Panamericana—Honduras; Master of Science, 2008, University of Florida
Major: *Horticultural Science*
Dissertation: The North American Plums (*Prunus Spp.*) and Their Use as Germplasm Resources: From Population to Phylogenetic Studies, a Breeder Perspective
Dissertation Chairperson: J. Chaparro

Jikai Chen, Bachelor of Science, 2000, East China Normal University; Master of Science, 2003, Zhejiang University—China

Major: *Electrical and Computer Engineering*
Dissertation: Low-Power High-Speed Serial Link Design
Dissertation Chairperson: R. Bashirullah

Zhuo Chen, Bachelor of Science, 2006, Fudan University—China; Master of Science, 2007, University of Florida

Major: *Chemistry*
Dissertation: Light Harvesting Polystyrenes: Energy Transfer and Materials Applications
Dissertation Chairperson: K. S. Schanze

Xiaoyu Cheng, Bachelor of Engineering, 2006, Hebei University of Science and Technology—China;

Master of Science in Electrical Engineering, 2008, State University of New York at Buffalo

Major: *Electrical and Computer Engineering*
Dissertation: Wireless Biomedical Telemetry Systems Based on Flexible Metamaterial Circuits and Advanced RF Architectures
Dissertation Chairperson: Y. Yoon

Yu-tseh Chi, Bachelor of Science, 1998, National Taiwan University; Master of Science in Food, Agricultural, and Biological Engineering, 2004, Ohio State University

Major: *Computer Engineering*
Dissertation: Block, Group, and Affine Regularized Sparse Coding and Dictionary Learning
Dissertation Chairperson: J. Ho

Hee Deok Cho, Bachelor of Science, 1992, Master of Engineering in Architectural Engineering, 1994,

Yonsei University—South Korea; Master of Public Affairs, 2008, University of Texas at Austin

Major: *Design, Construction, and Planning*
Dissertation: The Factors That Affect Long Distance Travel Mode Choice Decisions and Their Implications for Transportation Policy
Dissertation Chairperson: R. L. Steiner

Diana Cohen, Bachelor of Arts *magna cum laude*, 2002, Master of Arts, 2003, University of Connecticut; Master of Arts, 2005, Doctor of Philosophy, 2007, Master of Arts, 2008, University of Florida

Major: *Sociology*
Dissertation: Iron Dads: Complexities of Endurance Sports for Managing Work and Family Identities
Dissertation Chairperson: W. Marsiglio

Brian Collisson, Bachelor of Arts in Psychology *summa cum laude*, 2009, California State University at San Bernardino; Master of Science, 2011, University of Florida

Major: *Psychology*
Dissertation: The Liking-Similarity Effect: Perceptions of Similarity as a Function of Liking
Dissertation Chairperson: J. Chambers

Nathan Conner, Bachelor of Science in Agriculture, 2005, Master of Science in Agriculture, 2007, Murray State University—Kentucky

Major: *Agricultural Education and Communication*
Dissertation: The Cultural Adaptation Process of Agricultural and Life Sciences Students on Short Term Study Abroad Experiences
Dissertation Chairperson: T. G. Roberts

Christa Cook, Bachelor of Arts in Psychology, 1990, Bachelor of Science in Nursing, 1996, University of North Carolina at Chapel Hill; Master of Science in Nursing, 2010, University of Florida

Major: *Nursing Sciences*
Minor: *Public Health*
Dissertation: A Community Based Participatory Approach to Facilitate Linkage to Care for Persons with HIV
Dissertation Chairperson: B. J. Lutz

Rebecca Creasy, Bachelor of Science, 2007, University of Georgia

Major: *Food Science and Human Nutrition*
Minor: *Agricultural Education and Communication*
Dissertation: Cranberry Modifies Innate Immune Cell Function via Tlr4 and Priming
Dissertation Chairperson: S. S. Percival

Sydni Credle, Bachelor of Science in Mechanical Engineering, 2002, Master of Science in Mechanical Engineering, 2006, Florida A&M University

Major: *Mechanical Engineering*
Dissertation: Gas-Liquid Separation for Direct Methanol Fuel Cells
Dissertation Chairperson: W. E. Lear

Tyler Culpepper, Bachelor of Science, 2008, Bachelor of Science, 2008, University of Florida

Major: *Microbiology and Cell Science*
Dissertation: Gut Microbiota Patterns Associated with Colorectal Polyp Prevalence
Dissertation Chairperson: V. Mai

Megan Daly, Bachelor of Arts *cum laude*, 2006, Master of Arts, 2008, University of Florida

Major: *Classical Studies*
Dissertation: Tacitus' Germanicus and the Commanders of Germania
Dissertation Chairperson: V. E. Pagan-Wolpert

Jennifer Davids, Bachelor of Arts, 2006, Knox College—Illinois

Major: *Medical Sciences—Immunology and Microbiology*
Dissertation: Myxomaviral Immune Modulating Proteins Alter Gene Expression of Monocyte Apoptotic Pathways
Dissertation Chairperson: A. Lucas

Katherine Deliz Quiñones, Bachelor of Science in Biology, 2001, Master of Science in Biology, 2005, University of Puerto Rico at Mayaguez

Major: *Environmental Engineering Sciences*
Dissertation: Fate and Environmental Implications of Mercury in Contaminated Soils Treated with Aluminum Based Drinking Water Treatment Residuals (Al-Wtr)
Dissertation Chairperson: J. Bonzongo

Matthew Demers, Bachelor of Design *summa cum laude*, 2004, Master of Architecture, 2007, University of Florida

Major: *Design, Construction, and Planning*
Dissertation: Le Corbusier and Ecstasis: A Cyber-History
Dissertation Chairperson: C. L. Hailey
Dissertation Cochairperson: W. L. Tilson

Robert Diltz, Bachelor of Science in Civil and Hydraulic Engineering, 2005, Master of Science in Chemical Engineering, 2006, Florida State University

Major: *Agricultural and Biological Engineering*
Dissertation: Effects of Cerium Oxide Nanoparticles on the Overall Life Cycle Benefits of Using Algal Biomass for Alternative Energy Production in Remote Locations
Dissertation Chairperson: P. C. Pullammanappallil

Thang Dinh, Cu Nhan Cong Nghe Thong Tin, 2007, Vietnam National University

Major: *Computer Engineering*
Dissertation: Complex Networks Under Attacks: Vulnerability Assessment and Optimization
Dissertation Chairperson: M. T. Thai

Tu Do, Bang Tot Nghiep Dai Hoc, 2002, Thac Si, 2006, University of Transport and Communications—Vietnam; Master of Science, 2010, University of Florida

Major: *Civil Engineering*
Dissertation: Finite Element Modeling of Behavior of Mass Concrete Placed on Soil
Dissertation Chairperson: M. Tia

Paul Dominguez Gutierrez, Bachelor of Science, 2003, University of Florida

Major: *Medical Sciences—Molecular Cell Biology*
Dissertation: Lupus in Black and White: A Story of Blood, Sex, and Drugs
Dissertation Chairperson: E. K. Chan

Andria Doty, Bachelor of Science, 2000, Master of Science, 2004, University of Florida

Major: *Animal Molecular and Cellular Biology*
Dissertation: *In Vitro* Studies on the Role of Seminal Plasma Proteins on the Interaction Between Polymorphonuclear Neutrophils (PMNS) and Spermatozoa in the Horse
Dissertation Chairperson: M. H. Troedsson

Lisa Dusenberry, Bachelor of Arts in English, 2005, Colorado State University; Master of Arts, 2007, University of Florida

Major: *English*

Dissertation: Interfacing Childhood: Intermediation, Participation, and Knowledge in Children's Media

Dissertation Chairperson: K. B. Kidd

Lois Ellis, Master of Science in Nursing, 1984, University of Florida

Major: *Nursing Sciences*

Minor: *Gerontology*

Dissertation: Symptom Clusters in Breast Cancer Survivors: Prevalence, Predictors, and Consequences

Dissertation Chairperson: A. L. Horgas

Carmen Endara, Licenciada en Ciencias Biologicas, 2000, Pontificia University Catolica del Ecuador

Major: *Botany*

Dissertation: Speciation Patterns of *Scaphosepalum* (*Pleurothallidinae: Orchidaceae*)

Dissertation Chairperson: N. H. Williams

Efe Eworuke, Bachelor of Pharmacy, 2003, University of Benin—Nigeria; Master of Science, 2006,

St. Hilda's College—United Kingdom

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Nontuberculous Mycobacteria in Cystic Fibrosis

Dissertation Chairperson: A. G. Winterstein

Bilal Fadlallah, Bachelor of Engineering, 2006, Master of Engineering, 2008, American University—District of Columbia

Major: *Electrical and Computer Engineering*

Dissertation: Quantifying Cognitive Processes in the Human Brain Using Measures of Dependence

Dissertation Chairperson: J. C. Principe

Marianne Fatica, Bachelor of Science, 2008, University of South Florida

Major: *Food Science and Human Nutrition*

Dissertation: The Role of AgfD-Regulated Thin Aggregative *Fimbriae* and Cellulose in the Interactions of *Salmonella Typhimurium* on the Tomato Surface

Dissertation Chairperson: K. R. Schneider

Christina Faubel, Bachelor of Arts *cum laude*, 2002, Juris Doctor *cum laude*, 2007, Master of Arts in Mass Communication, 2007, University of Florida

Major: *Mass Communication*

Dissertation: Cameras in the Courtroom 2.0: How Technology Is Changing the Way Journalists Cover the Courts

Dissertation Chairperson: S. F. Chance

Aazamosadat Feizmohammadpour, Bachelor of English Language and Translation, 1993, Allameh Tabatabaei University—Iran;

Master's Degree, 1999, Tarbiat Modarres University—Iran

Major: *Linguistics*

Dissertation: Optional Subject-Verb Agreement in Persian

Dissertation Chairperson: H. Cowles

Xiaodi Feng, Master of Medicine, 2006, Bachelor of Medicine, 2006, Shandong University—China

Major: *Pharmaceutical Sciences—Pharmacodynamics*

Dissertation: Effects of Increased Maternal Cortisol on Maternal Metabolism and Fetal Development

Dissertation Chairperson: M. Keller-Wood

Chessy Fernandez, Bachelor of Biomedical Engineering, 2000, Catholic University of America—District of Columbia; Master of Engineering, 2003, University of Florida

Major: *Biomedical Engineering*

Dissertation: Development of an Efficient Fluid Structure Interaction Solver for Applications to the Vascular System

Dissertation Chairperson: R. Tran-Son-Tay

Jennifer Fiers, Bachelor of Arts, 1996, University of Virginia; Master of Arts, 2007, University of Florida

Major: *Anthropology*

Dissertation: Paradoxes of Power and Performance Enhancement in Competitive Youth Sport (Tennis)

Dissertation Chairperson: B. H. Chalfin

Omar Figueroa, Bachelor of Science in Biology *cum laude*, 1996, University of North Florida; Master of Science, 2005, University of Florida

Major: *Wildlife Ecology and Conservation*

Dissertation: The Ecology and Conservation of Jaguars (*Panthera Onca*) in Central Belize: Conservation Status, Diet, Movement Patterns, and Habitat Use

Dissertation Chairperson: S. K. Jacobson

Dissertation Cochairperson: K. D. Meyer

Elizabeth Filippi, Bachelor of Science *magna cum laude*, 1981, George Peabody College for Teachers—Tennessee; Master of Education, 1999, Specialist in Education, 2008, University of Florida

Major: *Special Education*

Dissertation: Negotiating the Role of Special Education Teacher in the Context of Elementary Schools

Dissertation Chairperson: J. Crockett

Kyle Fisher, Bachelor of Science in Civil Engineering, 2003, Purdue University—Indiana; Master of Engineering, 2008, University of Florida

Major: *Civil Engineering*

Dissertation: A Multi-Criteria Decision Making Model for Public Private Partnership Viability in the U.S.

Dissertation Chairperson: R. D. Ellis

Anastasia Ford, Bachelor of Science *summa cum laude*, 2008, Master of Science, 2011, University of Florida

Major: *Psychology*

Dissertation: Broca's Area Thalamocortical Circuitry: Effects of Anterior and Posterior Thalamic Lesions Investigated Using Diffusion-Weighted Tractography

Dissertation Chairperson: K. D. White

Juanita Garcia-Saqui, Bachelor of Science in Biology, 2001, University of Belize; Master of Science, 2007, University of Florida

Major: *Interdisciplinary Ecology*

Dissertation: Institutions, Livelihood, and Vulnerabilities in Southern African Savannas

Dissertation Chairperson: B. Child

Dissertation Cochairperson: M. C. Schminck

Travis Garrison, Bachelor of Arts *magna cum laude*, 2004, University of California at San Diego; Master's Degree, 2006, Dartmouth College—New Hampshire

Major: *Music*

Dissertation: Reconsidering the Model Listener: An Exploration in the Critical Analysis of Electroacoustic Music

Dissertation Chairperson: J. P. Sain

Joseph Gaspard, Bachelor of Science in Marine Science and Biology, 1999, Long Island University at Southampton—New York

Major: *Veterinary Medical Sciences*

Dissertation: Tactile Abilities of the Florida Manatee (*Trichechus manatus latirostris*)

Dissertation Chairperson: R. L. Reep

Jessica Georges, Bachelor of Arts, 2007, Master of Science, 2009, University of Florida

Major: *Food and Resource Economics*

Minor: *Urban and Regional Planning*

Dissertation: Energizing Livelihoods: The Impact of the Biofuel Act in the Philippines

Dissertation Chairperson: M. P. Useche

Jennifer Gifford, Bachelor of Science in Geology, 2005, Syracuse University—New York; Master of Science, 2008, University of Florida

Major: *Geology*

Dissertation: Precambrian Crustal Evolution in the Great Falls Tectonic Zone

Dissertation Chairperson: D. A. Foster

Dissertation Cochairperson: P. A. Mueller

Elisa Gonzalez-Rothi, Bachelor of Science *cum laude*, 2004, University of Florida; Doctor of Physical Therapy, 2007, University of Miami—Florida

Major: *Rehabilitation Science*

Dissertation: Spinal Cord Injury and Plasticity in Cervical Motor Systems

Dissertation Chairperson: D. D. Fuller

Joy Goodwin, Bachelor of Science in Agriculture in Animal Science, 2007, Master of Science, 2010, Ohio State University

Major: *Agricultural Education and Communication*

Dissertation: Taking Down the Walls of Agriculture: Effect of Transparent Communication and Personal Relevance on Attitudes and Trust Within the Elaboration Likelihood Model

Dissertation Chairperson: T. A. Irani

Joseph Grange, Bachelor of Science in Physics, 2006, University of Puget Sound—Washington; Master of Science, 2009, University of Florida

Major: *Physics*

Dissertation: First Measurement of the Muon Anti-Neutrino Charged Current Quasielastic Double-Differential Cross Section

Dissertation Chairperson: H. L. Ray

Eric Graves, Bachelor of Science in Electrical Engineering *cum laude*, 2008, Master of Science, 2011, University of Florida

Major: *Electrical and Computer Engineering*

Dissertation: Information Integrity

Dissertation Chairperson: T. F. Wong

Dissertation Cochairperson: J. M. Shea

Leandro Greco, Medico Veterinario, 2006, Universidade Federal de Goias—Brazil; Mestre em Agronomia, 2008, Universidade de Sao Paulo—Brazil

Major: *Animal Molecular and Cellular Biology*

Dissertation: Fatty Acids in Dairy Cattle Nutrition: Insights on Productive and Reproductive Performances

Dissertation Chairperson: J. Santos

Peter Gryffin, Bachelor of Science, 1992, Master of Science, 1997, California State Polytechnic University at Pomona

Major: *Health and Human Performance*

Dissertation: Diffusion of Tai Chi in Older Populations: Facilitators and Barriers to Adoption

Dissertation Chairperson: W. W. Chen

Sükrü Güleç, Bachelor of Science, 2004, Ankara University—Turkey

Major: *Nutritional Sciences*

Dissertation: Physiological Role of Intestinal Copper Transporter Atp7a in Iron Metabolism

Dissertation Chairperson: J. F. Collins

Sabrina Habib, Bachelor of Fine Arts *cum laude*, 2000, Master of Fine Arts, 2003, University of Florida

Major: *Mass Communication*

Dissertation: Accessing the Digital Muse: A Grounded Theory Advertising Creativity

Dissertation Chairperson: L. L. Duke

Can Hakanoglu, Bachelor in Chemical Engineering, 2006, Istanbul Technical University—Turkey

Major: *Chemical Engineering*

Dissertation: The Investigation of the Adsorption and Reaction Characteristics of High Oxygen Covered Palladium (111) Surfaces

Dissertation Chairperson: J. F. Weaver

Jennifer Hale Gallardo, Bachelor of Science in Environmental Science, 1995, Florida International University; Master of Forest Resources and Conservation, 2000, University of Florida

Major: *Anthropology*

Dissertation: Conjuring Equity: Nahua Healers and the Cultural Politics of Institutionalizing Traditional Medicine in Mexico

Dissertation Chairperson: S. A. Langwick

Dissertation Cochairperson: F. V. Harrison

Matthew Hall, Bachelor of Arts in History, 2006, Davidson College—North Carolina; Master of Arts, 2010, University of Florida

Major: *History*

Dissertation: Progress and Power: The Electrification of the Urban American South, 1880-1920

Dissertation Chairperson: W. A. Link

Dissertation Cochairperson: S. Adams

Christine Hanlon, Bachelor of Arts, 1996, Flagler College—Florida; Master of Arts in Communication, 2000, University of Central Florida

Major: *Mass Communication*

Dissertation: Recruiting G. I. Jane: An Analysis of the United States Military's Advertising Messages on Recruitment Websites

Dissertation Chairperson: L. L. Duke

Adam Hart, Bachelor of Science in Mechanical Engineering *cum laude*, 2008, Bachelor of Science in Aerospace Engineering *magna cum laude*, 2008, Master of Science, 2010, University of Florida

Major: *Aerospace Engineering*

Dissertation: Unsteady Fluid Dynamics Over a Low-Aspect-Ratio Pitching Plunging Flat Plate

Dissertation Chairperson: L. S. Ukeiley

Michael Hartel, Bachelor of Science in Ceramic Engineering, 2007, Alfred University—New York; Master of Science, 2009, University of Florida

Major: *Materials Science and Engineering*

Dissertation: On Interface Modification for Improved Organic Optoelectric Device Performance

Dissertation Chairperson: F. So

Karin Haug, Apotheker, 2008, Universitat Tübingen—Germany

Major: *Pharmaceutical Sciences—Pharmacy*

Minor: *Statistics*

Dissertation: Exploring the Effects of Ammi Visnaga L. on Nephrolithiasis Prevention: *In Vivo* Pharmacokinetic and Pharmacodynamic Evaluation of Ammi Visnaga L. Extract and Visnagin

Dissertation Chairperson: H. C. Derendorf

Dissertation Cochairperson: V. Butterweck

Dwayne Haynes, Bachelor of Science, 2008, Master of Science, 2010, University of Florida

Major: *Food and Resource Economics*

Dissertation: Production Quota Buyouts: A Theoretical and Empirical Examination

Dissertation Chairperson: A. Schmitz

Jessica Haynes, Bachelor of Arts *cum laude*, 2005, Master of Arts, 2012, University of Florida

Major: *Economics*

Dissertation: School-Level Autonomy: Who Participates and Who Benefits

Dissertation Chairperson: R. E. Romano

Thomas Hendren, Bachelor of Arts in History *summa cum laude*, 2007, Virginia Polytechnic Institute and State University; Master of Arts, 2009, University of Florida

Major: *Classical Studies*

Dissertation: Ovid, Augustus, and the Exilic Journey in the *Tristia* and *Epistulae ex Ponto*

Dissertation Chairperson: J. Rea

Tracy Hickman, Bachelor of Science, 1993, Florida A&M University; Master of Arts, 2001, University of Central Florida

Major: *Curriculum and Instruction*

Dissertation: Alternatively Certified Teachers' Use of Mathematical Discourse

Dissertation Chairperson: T. L. Adams

Ira Hill, Bachelor of Science in Mechanical Engineering, 2008, University of Pittsburgh—Pennsylvania

Major: *Mechanical Engineering*

Dissertation: A Novel Testing Platform for Characterizing Cervical Spine Biomechanics

Dissertation Chairperson: S. A. Banks

Stephanie Hill, Bachelor of Arts in Biology, 2007, Hiram College—Ohio; Master of Science, 2009, University of Florida

Major: *Entomology and Nematology*

Minor: *Agricultural Education and Communication*

Dissertation: Foraging Strategies and Aggression Patterns of *Nylanderia Fulva* (Mayr) (Hymenoptera: Formicidae) in North Central Florida

Dissertation Chairperson: P. G. Koehler

Andrew Holt, Bachelor of Arts in History *summa cum laude*, 2003, Master of Arts in History, 2005, University of North Florida

Major: *History*

Dissertation: Medieval Masculinity and the Crusades: The Clerical Creation of a New Warrior Identity

Dissertation Chairperson: F. Curta

Derek Hsen Dai Hsu, Bachelor of Science in Materials Science and Engineering, 2007, Northwestern University—Illinois; Master of Science, 2011, University of Florida
 Major: *Materials Science and Engineering*
 Dissertation: Design and Development of NiTi-Based Precipitation-Strengthened High-Temperature Shape Memory Alloys for Actuator Applications
 Dissertation Chairperson: M. V. Myers

Wen-Chin Hsu, Bachelor of Engineering, 1998, Tamkang University—China; Master of Science in Electrical Engineering, 2001, University of Southern California; Master of Science in Computer Science, 2006, California State University at Northridge
 Major: *Electrical and Computer Engineering*
 Dissertation: Feature Ranking and Selection for SVM Classification and Applications
 Dissertation Chairperson: S. Chen

Fangyuan Hua, Bachelor of Science, 2003, Beijing Normal University—China; Master of Philosophy, 2006, Peking Union Medical College—China
 Major: *Interdisciplinary Ecology*
 Dissertation: Trait-Mediated Effects of Predation Risk: How Does It Influence Forest Bird-Habitat Relationships
 Dissertation Chairperson: K. E. Sieving

Zhuojie Huang, Bachelor of Management, 2007, South China Agricultural University; Master of Science, 2009, University of Florida
 Major: *Geography*
 Minor: *Spatial Epidemiology*
 Dissertation: The Role of the Global Air Travel Network in Vector-Borne Disease Connectivity and Spread
 Dissertation Chairperson: A. J. Tatem
 Dissertation Cochairperson: T. J. Fik

R. Huffard, Bachelor of Arts in Political Science, 2007, Bachelor of Arts in History, 2007, Pennsylvania State University; Master of Arts, 2010, University of Florida
 Major: *History*
 Dissertation: Perilous Connections: Railroads, Capitalism, and Mythmaking in the New South
 Dissertation Chairperson: S. Adams

Marc Hughes, Bachelor of Arts in Biological Science, 2005, Florida Atlantic University
 Major: *Plant Pathology*
 Dissertation: The Evaluation of Natural Resistance to Laurel Wilt Disease in Redbay (*Persea borbonia*)
 Dissertation Chairperson: J. A. Smith

Shen-hsiu Hung, Bachelor of Science, 2002, National Chung-Hsing University—China; Master of Science, 2004, National Cheng Kung University—China; Master of Science, 2009, University of Florida
 Major: *Chemical Engineering*
 Dissertation: Integrated Cellular Biophysical Migration Approach
 Dissertation Chairperson: Y. Tseng

Mussa Idris, Bachelor of Arts in Sociology and Anthropology, 1999, University of Asmara—Eritrea; Master of Arts, 2002, University of Florida
 Major: *Anthropology*
 Dissertation: Entrepreneurship Among the Ethiopian and Eritrean Migrants: Anthropological Ethnographic Case Studies in the Washington, D.C., Metropolitan Area
 Dissertation Chairperson: A. Spring

Jennifer Jackson, Bachelor of Science in Aerospace Engineering, 2003, Master of Science in Mechanical Engineering, 2005, University of Central Florida; Master of Science, 2012, University of Florida
 Major: *Biomedical Engineering*
 Dissertation: Locomotion Pattern Prediction Based on Whole-Body Angular and Linear Momentum Variations
 Dissertation Chairperson: B. J. Fregly

Adam Jacobs, Bachelor of Science in Electrical Engineering *cum laude*, 2005, Master of Science, 2006, University of Florida
 Major: *Electrical and Computer Engineering*
 Dissertation: Reconfigurable Fault Tolerance for Space Systems
 Dissertation Chairperson: A. D. George

Mollie Jacobs, Bachelor of Science, 2006, University of Florida
 Major: *Medical Sciences—Biochemistry and Molecular Biology*
 Dissertation: Aldosterone-Dependent Mirna Regulation of Endothelin-1
 Dissertation Chairperson: B. D. Cain

Karly Jacobsen, Bachelor of Science in Materials Science and Engineering *cum laude*, 2007, Master of Science, 2010, University of Florida
 Major: *Mathematics*
 Dissertation: A Mathematical Model for Tumor Therapy with a Fusogenic Oncolytic Virus
 Dissertation Chairperson: S. Pilyugin

Stephan Jahn, Bachelor of Science in Biochemistry *summa cum laude*, 2008, Saginaw Valley State College—Michigan
 Major: *Medical Sciences—Physiology and Pharmacology*
 Dissertation: Overactive Cdk2 in the Progression and Treatment of Cancer
 Dissertation Chairperson: B. K. Law

Lingli Jiang, Bachelor of Science, 2005, Master of Medicine, 2007, Huazhong University of Science and Technology—China
 Major: *Nutritional Sciences*
 Dissertation: The Role of Dmt1 in Copper Compensatory Response During Iron-Deprived Condition
 Dissertation Chairperson: J. F. Collins

Curtis Jones, Bachelor of Science in Agricultural and Biological Engineering *magna cum laude*, 2006, University of Florida
 Major: *Agricultural and Biological Engineering*
 Dissertation: Tools for Efficient Vegetable Production Management
 Dissertation Chairperson: C. W. Fraisse

Tiffany Judy, Bachelor of Arts in Spanish *summa cum laude*, 2005, University of Northern Iowa
 Major: *Romance Languages—Spanish*
 Dissertation: Sources of Performance and Processing Errors in Near-Native L2 Spanish Speakers, L1 Farsi
 Dissertation Chairperson: J. Rothman

Te-Yu Kao, Bachelor of Science, 2004, National Chiao Tung University—Taiwan; Master of Science in Electrical Engineering, 2008, University of Washington at Seattle
 Major: *Electrical and Computer Engineering*
 Dissertation: Sixty-Gigahertz CMOS Micro-Radar System-in-Package for Vital Sign and Vibration Detection
 Dissertation Chairperson: J. Lin

Dale Kelley, Bachelor of Science in Animal Science, 2001, North Carolina State University
 Major: *Animal Molecular and Cellular Biology*
 Dissertation: The Effect of Oral L-Arginine Supplementation on Reproductive Events in Mares
 Dissertation Chairperson: C. J. Mortensen

Kelly Kenzik, Bachelor of Science in Health Education *summa cum laude*, 2007, Master of Science, 2008, University of Florida
 Major: *Epidemiology*
 Dissertation: Patient-Reported Outcomes in Hematopoietic Stem Cell Transplant Survivors
 Dissertation Chairperson: I. Huang

Eunju Kim, Bachelor of Engineering, 1991, Master of Engineering, 1997, Dongguk University—South Korea; Master of Science, 2012, University of Florida
 Major: *Computer Engineering*
 Dissertation: Knowledge Assisted Human Activity Recognition for Improved Accuracy and Programmability
 Dissertation Chairperson: A. A. Helal

Jeeyoung Kim, Bachelor of Science, 2004, Kyungpook National University—South Korea; Master of Science in Engineering, 2006, University of Pennsylvania
 Major: *Computer Engineering*
 Dissertation: Wi-Fi User Mobility, Evolution, and a Framework for User Prediction
 Dissertation Chairperson: A. H. Helmy

Maranda Kles, Bachelor of Arts *magna cum laude*, 2001, Master of Arts, 2004, Master of Science, 2005, University of Florida
 Major: *Anthropology*
 Dissertation: Biological Variation and Biological Distance in Florida: An Examination of Biological and Cultural Continuity and Change
 Dissertation Chairperson: M. W. Warren
 Dissertation Cochairperson: J. S. Krigbaum

Joseph Knuth, Bachelor of Science in Computer Engineering, 2007, University of Illinois at Urbana-Champaign; Master of Science, 2010, University of Florida
 Major: *Mechanical Engineering*
 Dissertation: Collaborative Localization of Robots From Heterogeneous Relative Measurements: An Optimization on Manifolds Approach
 Dissertation Chairperson: P. Barooh

Krishnakanth Kondabolu, Bachelor of Pharmacy, 2008, Manipal Academy of Higher Education—India
 Major: *Pharmaceutical Sciences—Medicinal Chemistry*
 Dissertation: *In Vitro* and *In Vivo* Pharmacology of Novel Phenylaminotetralin (PAT) Analogs at Serotonin 5-HT₂ Receptors: Development of Drugs for Neuropsychiatric Disorders
 Dissertation Chairperson: R. Booth

Matthew Kopka, Artium Baccalaureus, 1985, University of Michigan at Ann Arbor; Master of Fine Arts, 1993, University of Alabama; Master of Arts in Intercultural Leadership, 2003, School For International Training—Vermont
 Major: *Interdisciplinary Ecology*
 Dissertation: Freedom in the Making: The Afro-Caribbean Peasant Inheritance in Grenada From Plantation to Neoliberalism and Beyond
 Dissertation Chairperson: G. Barnes

Laura Kowler, Bachelor of Arts in Journalism, 2004, University of Georgia; Master of Science, 2009, University of Florida
 Major: *Interdisciplinary Ecology*
 Dissertation: Participatory Spaces and Governance Mechanisms in Bolivia's Environmental Sector
 Dissertation Chairperson: C. A. Overdeest
 Dissertation Cochairperson: G. Barnes

Consuelo Kreider, Bachelor of Health Science in Occupational Therapy, 1989, Master of Health Science, 2009, University of Florida
 Major: *Rehabilitation Science*
 Dissertation: Social Networks and Participation of Youth with Learning Disability, Attention Deficit Disorder, or Autism Spectrum Disorder: A Mixed-Method Study Using Personal Network Analysis and Qualitative Interview
 Dissertation Chairperson: W. C. Mann

Stewart Kreitzer, Bachelor of Arts *cum laude*, 2004, Master of Arts, 2006, University of Florida
 Major: *History*
 Dissertation: World Views in Collision? The Dialogue Between John Greene and Ernst Mayr (1959-2005)
 Dissertation Chairperson: V. Smocovitis

Tess Kulstad, Licenciatura em Engenharia Alimentar, 1995, Santo Domingo Institute of Technology—Dominican Republic; Master of Arts, 2006, University of Florida
 Major: *Anthropology*
 Dissertation: Post-Earthquake Fosterage of Children Along the Haitian-Dominican Border
 Dissertation Chairperson: G. F. Murray

Sergii Kutsak, Diplom Bakalavra, 2004, Diploma Magistra, 2005, Chernivtsi National—Ukraine
 Major: *Mathematics*
 Dissertation: Essential Manifolds with Extra Structures
 Dissertation Chairperson: A. N. Dranishnikov
 Dissertation Cochairperson: Y. B. Rudyak

Anna Kuznetsova, Diplom Spetsialista, 2006, Moscow State University—Russia
 Major: *Chemistry*
 Dissertation: Structural Analysis of the C-Terminus of Lung Surfactant Protein B (Sp-B)
 Dissertation Chairperson: G. E. Fanucci
 Dissertation Cochairperson: J. R. Long

Theodore Kypreos, Bachelor of Science in Physics, 2005, University of North Florida
 Major: *Physics*
 Dissertation: Search for Heavy Narrow Resonances Decaying to Dimuons with the CMS Detector
 Dissertation Chairperson: I. K. Furic

Casey LaMarche, Bachelor of Chemical Engineering, 2007, University of Delaware
 Major: *Chemical Engineering*
 Dissertation: Cratering of a Particle Bed by a Subsonic Turbulent Jet
 Dissertation Chairperson: J. S. Curtis

Hillary Lathrop, Bachelor of Arts, 2004, Smith College—Massachusetts; Master of Science in Chemistry, 2009, University of Massachusetts at Lowell
 Major: *Chemistry*
 Dissertation: Mass Spectrometric Investigation of Apical Droplets From *Culex Quinquefasciatus* Egg Rafts
 Dissertation Chairperson: R. A. Yost

Caroline Latterman, Bachelor of Arts in Linguistics, 2002, Haverford College—Pennsylvania
 Major: *Linguistics*
 Dissertation: Measuring Attitudinal Change: A Sociolinguistic and Psycholinguistic Investigation Into Perceptions of African American English and Academic English
 Dissertation Chairperson: D. Boxer
 Dissertation Cochairperson: H. Cowles

Michael Laudenslager, Bachelor of Science in Materials Engineering, 2008, Master of Science in Materials Engineering, 2008, Drexel University—Pennsylvania
 Major: *Materials Science and Engineering*
 Dissertation: Electric Field Enhancement of Photocatalysis
 Dissertation Chairperson: W. M. Sigmund

Duckki Lee, Bachelor of Engineering, 2001, Hankuk Aviation University—South Korea; Master of Science, 2012, University of Florida
 Major: *Computer Engineering*
 Dissertation: Models and Theory for Persuasion-Aware Computing
 Dissertation Chairperson: A. A. Helal

Il Rang Lee, Bachelor of Education, 2003, Paichai University—South Korea; Master of Science in Education, 2006, University of Wisconsin at Stout
 Major: *Special Education*
 Dissertation: Teachers' Personality Traits and Creative Behaviors as Predictors of Their Support of Children's Creativity
 Dissertation Chairperson: K. M. Kemple

Im Lee, Bachelor of Arts, 1994, Seoul National University—South Korea; Bachelor of Arts, 2002, Master of Arts, 2004, Korean National University of Arts—South Korea
 Major: *Art History*
 Dissertation: Away From the Mainstream: Three Alternative Spaces in New York and the Expansion of Art in the 1970s
 Dissertation Chairperson: J. C. Tsai

Jaejin Lee, Bachelor of Home Economics, 2003, Bachelor of Business Administration, 2003, Kyungpook National University—South Korea; Master of Advertising, 2009, University of Florida
 Major: *Mass Communication*
 Dissertation: The Effectiveness of Consumer Characteristics in Cause-Related Marketing Campaigns: The Role of Involvement in the Theory of Planned Behavior
 Dissertation Chairperson: C. R. Morton
 Dissertation Cochairperson: D. M. Treise

Jin-Seop Lee, Bachelor of Science, 1993, Master of Science, 1995, Yeungnam University—South Korea

Major: *Mathematics*

Dissertation: Image Registration by Using Statistical Information

Dissertation Chairperson: Y. Chen

Youngjoon Lee, Bachelor of Engineering, 2002, Ajou University—South Korea; Master of Science, 2005, University of Florida

Major: *Electrical and Computer Engineering*

Dissertation: Conquering the Harsh PLC Channel to Enable QoS Guaranteed Multimedia Home Networks

Dissertation Chairperson: H. A. Latchman

Maxime Lemaitre, Bachelor of Science in Engineering, 2006, University of Illinois at Urbana-Champaign; Master of Science, 2007, University of Florida

Major: *Materials Science and Engineering*

Dissertation: Schottky Barrier Modulation at Graphene/Semiconductor Interfaces: Engineering Field Permeable Semimetal Electrodes

Dissertation Chairperson: R. E. Hummel

Christopher Lenz, Bachelor of Arts in Philosophy, 1998, Bachelor of Arts in History, 2003, Bachelor of Arts in English *cum laude*, 2005, University of Houston—Texas; Master of Fine Arts, 2007, University of Florida

Major: *English*

Dissertation: The Railroad Tramp and the American Cultural Imaginary

Dissertation Chairperson: S. E. Hegeman

Milena Leseva, Bakalavar, 2005, Magistra, 2007, Sofia University—Bulgaria

Major: *Medical Sciences—Molecular Cell Biology*

Dissertation: Molecular Mechanisms of Repression of Meiosis-Specific Genes During Early Embryonic Development of the Mouse

Dissertation Chairperson: N. Terada

Li Li, Bachelor of Science, 2003, Wuhan University—China; Master of Science, 2008, University of Florida

Major: *Pharmaceutical Sciences*

Dissertation: Application of Pharmacokinetic and Pharmacodynamic Concepts in Preclinical and Clinical Studies for Drug Development

Dissertation Chairperson: H. C. Derendorf

Dissertation Cochairperson: V. Butterweck

Lingmin Li, Bachelor of Engineering, 2004, Master of Engineering, 2006, Beihang University—China

Major: *Mechanical Engineering*

Dissertation: Computational Simulation of Knee Osteoarthritis Development

Dissertation Chairperson: B. J. Fregly

Xiaoyuan Li, Bachelor of Engineering, 2007, University of Electronic Science & Technology—China; Master of Science, 2009, University of Florida

Major: *Electrical and Computer Engineering*

Dissertation: Primary User Behavior Estimation and Channel Assignment for Dynamic Spectrum Access in Energy-Constrained Cognitive Radio Sensor Networks

Dissertation Chairperson: J. Y. McNair

Chenda Liao, Bachelor of Engineering, 2007, Zhejiang University—China; Master of Science, 2010, University of Florida

Major: *Mechanical Engineering*

Dissertation: Distributed Time Synchronization From Relative Measurement in Mobile Wireless Sensor Networks

Dissertation Chairperson: P. Barooah

Dina Liebowitz, Bachelor of Arts in Environmental Studies *magna cum laude*, 2000, University of Pennsylvania; Master of Science, 2007, University of Florida

Major: *Interdisciplinary Ecology*

Dissertation: Consumer Control of Algal Proliferation in Florida's Springs

Dissertation Chairperson: M. Cohen

Dong-yi Lin, Bachelor of Arts, 2003, National Taiwan Normal University; Master of Arts, 2006, National Taiwan University

Major: *Linguistics*

Dissertation: Interrogative Constructions in Kavalan and Amis

Dissertation Chairperson: E. H. Potsdam

Stephan Linden, Apotheker, 2006, Technische Universität Braunschweig—Germany

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Risk of Suicide and Suicide Attempt Associated with Atomoxetine Versus Central Nervous System Stimulant Treatment

Dissertation Chairperson: A. G. Winterstein

Angela Lindsey, Bachelor of Arts in Communication, 1996, College of Charleston—South Carolina; Master of Agriculture, 1998, University of Florida

Major: *Agricultural Education and Communication*

Dissertation: Crucial Communication: Assessing Barriers to Effective Communication Experienced by Community Resource Organizations During the Deepwater Horizon Oil Spill

Dissertation Chairperson: T. A. Irani

James Liner, Bachelor of Arts in Philosophy/English, 2003, Seattle University—Washington; Master of Arts, 2006, University of Oklahoma

Major: *English*

Dissertation: Collectivity and Form: Politics and Aesthetics of Collectivity in Michael Hardt and Antonio Negri, Amiri Baraka, and Thomas Pynchon

Dissertation Chairperson: P. E. Wegner

Lin Liu, Bachelor of Science, 2008, Huazhong University—China

Major: *Electrical and Computer Engineering*

Dissertation: Electrothermal MEMS Micromirrors and Microlenses and Their Biomedical Imaging Applications

Dissertation Chairperson: H. Xie

Pang-Wei Liu, Bachelor of Science, 2001, Master of Science, 2003, National Cheng-Kung University—China; Master of Science, 2009, University of Florida

Major: *Agricultural and Biological Engineering*

Minor: *Electrical and Computer Engineering*

Dissertation: Integration of Active and Passive Microwave Signatures for Characterization of Soil Properties in Bare Soils

Dissertation Chairperson: J. Judge

Xinxin Liu, Bachelor of Engineering, 2006, Jilin University—China; Master of Science in Computer Science, 2010, Oklahoma State University

Major: *Computer Engineering*

Dissertation: Privacy Preserving Techniques in Mobile Networks

Dissertation Chairperson: X. Li

Gustavo Londoño, Diploma de Biologo, 2000, Universidad de los Andes—Colombia; Master of Science, 2007, University of Florida

Major: *Zoology*

Dissertation: Avian Life History Diversification Along an Andean Elevation Gradient: A Nesting Perspective

Dissertation Chairperson: S. K. Robinson

Dissertation Cochairperson: D. J. Levey

David Long, Bachelor of Science in Business Administration, 1995, Presbyterian College—South Carolina; Master of Business Administration, 2004, University of Florida

Major: *Business Administration—Management*

Dissertation: Attributions for Impression Management Behaviors: Can Being Authentic and Tactical Both Be Good?

Dissertation Chairperson: J. A. Colquitt

Enrique Lopez Rodriguez, Licenciado en Fisica, 2007, Master in Astrofísica, 2008, Universidad de La Laguna—Spain

Major: *Astronomy*

Dissertation: A Total and Polarized Infrared Flux View of the AGN Clumpy Torus

Dissertation Chairperson: C. C. Packham

Jessica Lovering, Bachelor of Science in Civil Engineering *cum laude*, 2006, Master of Science, 2008, University of Florida

Major: *Geology*

Dissertation: The Role of Marsh Platform Morphology in the Geomorphic Response of Tidal Inlet Systems to Sea Level Rise

Dissertation Chairperson: P. N. Adams

Kristin Luery, Bachelor of Applied Science Physics, 2004, University of Virginia; Master of Science, 2009, University of Florida

Major: *Mathematics*

Dissertation: Composition Operators on Hardy Spaces of the Disk and Half-Plane

Dissertation Chairperson: M. Jury

James Maissen, Bachelor of Science *cum laude*, 1994, University of Florida

Major: *Mathematics*

Dissertation: Extensions of Group Actions and the Hilbert-Smith Conjecture

Dissertation Chairperson: J. E. Keesling

Alyssa Maki, Bachelor of Science in Biology, 2005, University of West Florida

Major: *Nutritional Sciences*

Dissertation: Characterization of Zip11 Within the Murine Gastrointestinal Tract and the Investigation of Zip4 and Zip5 Within the Murine Stomach and Colon

Dissertation Chairperson: R. J. Cousins

Mina Mankbadi, Master of Science, 2009, Bachelor of Science, 2009, Embry-Riddle Aeronautical University—Florida

Major: *Mechanical Engineering*

Dissertation: Compressible Instability of Rapidly Expanding Spherical Material Interfaces

Dissertation Chairperson: S. Balachandar

Keith Manuel, Bachelor of Science in History *magna cum laude*, 2003, University of Louisiana at Lafayette; Master of Arts, 2005, University of Florida

Major: *History*

Dissertation: The King's Loyal Vassals or a Dangerous Kind of People?: Free People of Color in Havana, 1763-1834

Dissertation Chairperson: D. P. Geggus

Adrianna Marshall, Bachelor of Arts in Music Liberal Arts, 2003, Xavier University of Louisiana; Master of Arts in Music Education, 2009, Johns Hopkins University—Maryland

Major: *Music Education*

Dissertation: Non-String Playing, Preservice Teachers' Attitudes and Beliefs Towards Teaching Strings in the Public Schools

Dissertation Chairperson: C. R. Hoffer

Ari Martinez, Bachelor of Arts in Biological Science, 1991, Master of Arts in Biology, 1994, University of California at Santa Barbara

Major: *Zoology*

Dissertation: Interspecific Communication and Its Consequences for the Organization of Permanent Mixed-Species Bird Flocks

Dissertation Chairperson: S. K. Robinson

Ashley Mathews, Bachelor of Science in Marine Science and Biology, 2005, Master of Arts, 2007, University of Miami—Florida

Major: *Fisheries and Aquatic Sciences*

Dissertation: Modeling Phytoplankton Productivity to Analyze Natural and Anthropogenic Influences on the Trophic Status of the Caloosahatchee Estuary, Florida, USA

Dissertation Chairperson: E. J. Philips

Robert McEachnie, Bachelor of Arts, 2005, Palm Beach Atlantic University—Florida; Master of Arts, 2007, Wheaton College—Illinois

Major: *History*

Dissertation: Constructing a Christian Community: The Sermons of Chromatius of Aquileia, 388-407

Dissertation Chairperson: A. L. Sterk

Rachel McEgan, Bachelor of Science in Nutrition and Food Sciences, 2004, University of Alberta—Canada; Master of Science in Food Science, 2008, University of Guelph—Canada

Major: *Food Science and Human Nutrition*

Dissertation: Detection, Isolation, and Enumeration of *Salmonella* From Florida Surface Waters

Dissertation Chairperson: M. D. Danyluk

Kevin McGowan, Bachelor of Science, 2005, Duke University—North Carolina

Major: *Chemistry*

Dissertation: Trianionic NCN³⁻-Pincer Complex of Chromium and Tetraanionic OCO⁴⁻-Pincer Complex of Tungsten: Pre-Catalysts/Catalysts for Alkene and Alkyne Polymerization

Dissertation Chairperson: A. S. Veige

Julianne McLaughlin, Bachelor of Science in Chemistry, 2006, College of Charleston—South Carolina

Major: *Environmental Engineering Sciences*

Dissertation: Silver Nanoparticles: Behavior and Toxicity in Natural Waters

Dissertation Chairperson: J. Bonzongo

Tyler McPeck, Bachelor of Fine Arts, 1998, St. Andrews Presbyterian College—North Carolina; Master of Business Administration, 2005, Ritsumeikan University—Japan; Master of Arts, 2010, University of Florida

Major: *Linguistics*

Dissertation: American Voice Types: Towards a Vocal Typology for American English

Dissertation Chairperson: J. D. Harnsberger

Melissa Mellon, Bachelor of Arts, 1995, Master of Arts, 1998, University of Central Florida

Major: *English*

Dissertation: Unarticulable Afterlife of the Fallen Woman: Economics, Labor, and the Limits of the Seduction Plot, 1789-1818

Dissertation Chairperson: S. A. Smith

Ann Melnichuk, Bachelor of Arts in Chemistry, 2003, Carnegie Mellon University—Pennsylvania; Master of Science in Chemistry, 2006, University of Hawaii at Manoa

Major: *Chemistry*

Dissertation: Deflating the Dimensionality Curse in Electronic Structure Calculations

Dissertation Chairperson: R. J. Bartlett

Rafael Mendoza Lozano, Bachiller en Ciencias Sociales con Mencion en Antropologia, 2001, Pontifical Catholic University of Peru; Maestria en Ciencias Sociales con Mencion en Estudios Socioambientales, 2007, Facultad Latinoamericana de Ciencias Sociales—Brazil

Major: *Anthropology*

Dissertation: Forests with History: Exploring the Social Effects of the Creation of the Cordillera Azul National Park on the Chazutino People of Amazonian Peru

Dissertation Chairperson: G. F. Murray

Robert Menger, Bachelor of Science in Chemistry, 2008, Wake Forest University—North Carolina

Major: *Chemistry*

Dissertation: Multivariate Data Analysis Strategies for Biological Applications of Matrix-Assisted Laser Desorption/Ionization Mass Spectrometric Imaging

Dissertation Chairperson: R. A. Yost

Alicia Mercado-Harvey, Licenciada en Historia, 1997, Pontifical Catholic University of Chile; Master of Arts in Spanish, 2008, University of South Florida

Major: *Romance Languages—Spanish*

Dissertation: Enigma Literario: El Policial Posmoderno Transatlantico y Posdictatorial

Dissertation Chairperson: C. F. Gonzalez

Kevin Miller, Bachelor of Science, 2008, St. Bonaventure University—New York; Master of Science, 2012, University of Florida

Major: *Physics*

Dissertation: Infrared Study of Magnetic and Electric Excitations in Novel Complex Oxides

Dissertation Chairperson: D. B. Tanner

Rana Montaser, Bachelor of Pharmaceutical Sciences, 2006, Ain Shams University—Egypt

Major: *Pharmaceutical Sciences—Medicinal Chemistry*

Dissertation: Structural Characterization, Biological Evaluation, and Synthesis of Novel Secondary Metabolites From Guamanian Marine *Cyanobacteria Lyngbya spp.*

Dissertation Chairperson: H. Luesch

Marc Moore, Bachelor of Science in Engineering, 2008, Vanderbilt University—Tennessee

Major: *Biomedical Engineering*

Dissertation: Modulation of Nutrient Deficiencies Occurring in Engineered *Ex Vivo* Tissue Scaffolds

Dissertation Chairperson: P. McFetridge

Mauricio Mosquera Montoya, Titulo de Economista, 1999, Magister en Ciencias Economicas, 2002, The National University of Colombia
Major: *Food and Resource Economics*
Dissertation: A Dynamic Economic Model on Disease Management in Perennial Crops: A Framework for Assessing the Optimal Period of Eradication After an Outbreak
Dissertation Chairperson: E. A. Evans
Dissertation Cochairperson: T. H. Spreen

Vivek Nagabhushan, Bachelor of Engineering, 2003, Visvesvaraya Technological University—India; Master of Science, 2009, University of Florida
Major: *Aerospace Engineering*
Dissertation: Techniques for Improved Performance in CMG-Based Attitude Control Systems
Dissertation Chairperson: N. G. Fitz-Coy

Zahra Nasrollahi, Bachelor of Physics, 1999, Master of Physics, 2003, Sharif University of Technology—Iran; Master of Science, 2009, University of Florida
Major: *Physics*
Dissertation: Spectroscopic Studies of Polymers in Transmissive/Absorptive Electrochromic Devices and Doped Graphite
Dissertation Chairperson: D. B. Tanner

Leenapat Navaravong, Bachelor of Engineering in Telecommunication Engineering, 2007, Shinawatra University—Thailand; Master of Science, 2010, University of Florida
Major: *Electrical and Computer Engineering*
Dissertation: Topology Reconfiguration for Systems of Networked Autonomous Vehicles with Network Connectivity Constraints
Dissertation Chairperson: J. M. Shea

Nam Nguyen, Bang Tot Nghiep Cu Nhan, 2007, Vietnam National University; Master of Science in Mathematics, 2009, Ohio University
Major: *Computer Engineering*
Dissertation: Community Structure and Its Applications in Dynamic Complex Networks
Dissertation Chairperson: M. T. Thai

Trang Nguyen, Bang Tot Nghiep Dai Hoc, 2008, Hanoi University of Technology—Vietnam
Major: *Industrial and Systems Engineering*
Dissertation: Convexification Techniques for Complementarity and Multilinear Constraints
Dissertation Chairperson: J. Richard

Kathryn O'Brien, Bachelor of Science, 2009, Pennsylvania State University; Master of Science, 2010, University of Florida
Major: *Materials Science and Engineering*
Dissertation: Plasmonic MEMS Terahertz Generators
Dissertation Chairperson: P. H. Holloway

Levy Odera, Bachelor of Arts in Political Science *magna cum laude*, 2005, Master of Public Administration, 2006, Valdosta State University—Georgia; Master of Arts, 2010, University of Florida
Major: *Political Science*
Dissertation: Urban Development and Variations of Clientelism in Local Government Jurisdictions in Kenya
Dissertation Chairperson: S. Lindberg

Matias Oyarzun, Bachelor of Science in Mechanical Engineering *cum laude*, 2005, Bachelor of Science in Aerospace Engineering *cum laude*, 2005, Master of Science, 2008, University of Florida
Major: *Mechanical Engineering*
Dissertation: On the Design and Optimization of Zero-Net Mass-Flux Actuators for Active Flow Control Applications
Dissertation Chairperson: L. N. Cattafesta III

Gayle Pagnoni, Bachelor of Arts *cum laude*, 2001, University of West Florida; Master of Arts, 2003, Florida International University
Major: *Religion*
Dissertation: Building the Latter-Day Kingdom in the Americas: The Florida Fort Lauderdale Mission
Dissertation Chairperson: A. L. Peterson

Jamille Palacios, Bachelor of Arts in Economics, 1995, University of Puerto Rico at Central; Master of Arts in Economics, 2003, University of Puerto Rico at Rio Piedras
Major: *Food and Resource Economics*
Dissertation: Three Economic Essays on Florida Farm Labor Market Issues
Dissertation Chairperson: R. D. Emerson

Miguel Palaviccini, Bachelor of Science in Aerospace Engineering *cum laude*, 2006, Master of Science, 2008, University of Florida
Major: *Aerospace Engineering*
Dissertation: Control of Three-Dimensional Flow Over a Turret
Dissertation Chairperson: L. N. Cattafesta III

Nancy Parish, Bachelor of Science, 1998, Syracuse University—New York; Master of Arts in Mass Communication, 2003, University of Florida
Major: *Higher Education Administration*
Minor: *Mass Communication*
Dissertation: Agenda-Setting and Agenda-Building in Higher Education: An Examination of the Relationships Among Mass Media, Public Relations, and Federal Student Financial Aid
Dissertation Chairperson: M. P. Mendoza

Diego Pascual y Cabo, Licenciado en Filologia Inglesa, 2001, University of Granada at Cartuja—Spain; Master of Arts in Spanish, 2003, Northern Illinois University
Major: *Romance Languages—Spanish*
Dissertation: Agreement Reflexes of Emerging Optionality in Heritage Speaker Spanish
Dissertation Chairperson: J. Rothman

Bhavita Patel, Master of Science, 2005, Maharaja Sayajirao University—India; Master of Science in Molecular and Cell Biology, 2007, University of Texas at Dallas
Major: *Medical Sciences—Biochemistry and Molecular Biology*
Dissertation: Epigenetic Mechanisms Regulating Activation of the Tal1 Oncogene in Normal and in Malignant Hematopoiesis
Dissertation Chairperson: S. Huang

Seema Patidar, Bachelor of Science in Psychology, 2006, University of North Carolina at Chapel Hill; Master of Science, 2010, University of Florida
Major: *Psychology—Clinical and Health Psychology*
Dissertation: Distress, Neuroimmune Dysregulation, and Clinical Outcomes in Women Undergoing Total Abdominal Hysterectomy and Bilateral Salpingo Oophorectomy for Suspected Endometrial Cancer
Dissertation Chairperson: D. B. Pereira

Shilpa Patil, Bachelor of Physiotherapy, 2003, Devi Ahilya University—India
Major: *Rehabilitation Science*
Minor: *Statistics*
Dissertation: Distinct Pattern of Walking Recovery Following Therapeutic Interventions Post-Stroke: Responders vs. Non-Responders
Dissertation Chairperson: C. Patten

Michael Patterson, Bachelor of Science in Mechanical Engineering, 2006, Florida International University; Master of Science, 2010, University of Florida
Major: *Mechanical Engineering*
Dissertation: Efficient Solutions to Nonlinear Optimal Control Problems Using Adaptive Mesh Pseudospectral Methods
Dissertation Chairperson: A. Rao

Christopher Paulson, Bachelor of Science in Electrical Engineering *cum laude*, 2006, Master of Science, 2009, University of Florida
Major: *Electrical and Computer Engineering*
Dissertation: Utilizing Glint Phenomenology to Perform Classification of Civilian Vehicle Using Synthetic Aperture Radar
Dissertation Chairperson: D. Wu

Gregory Pavela, Bachelor of Arts in Philosophy and Science, 2006, University of Virginia; Master of Arts, 2009, University of Florida

Major: *Sociology*
Dissertation: Childhood Disadvantage, Adult Neighborhood Context, and Weight Status in Adulthood
Dissertation Chairperson: C. W. Peek
Dissertation Cochairperson: J. C. Henretta

Kerri Peters, Bachelor of Science *cum laude*, 2004, University of Florida; Master of Science in Behavior Analysis, 2007, University of North Texas

Major: *Psychology*
Dissertation: Evaluations of the Overjustification Hypothesis
Dissertation Chairperson: T. R. Vollmer

David Pfahler, Bachelor of Arts in Chemistry, 1997, Cedarville College—Ohio; Master of Science, 2002, University of Florida

Major: *Environmental Engineering Sciences*
Dissertation: Maximizing Sustainable Regional Production: Balancing Water, Energy, and Carbon
Dissertation Chairperson: M. T. Brown

Amanda Phalin, Bachelor of Arts in International Studies, 1997, Vassar College—New York; Master of Arts in International Affairs, 1999, George Washington University—District of Columbia; Master of Arts, 2011, University of Florida

Major: *Economics*
Dissertation: International Transfer of Solar Technology
Dissertation Chairperson: E. Dinopoulos

Michael Prince, Master of Science in Industrial and Systems Engineering, 2009, Bachelor of Science in Industrial and Systems Engineering *magna cum laude*, 2009, Ohio State University

Major: *Industrial and Systems Engineering*
Dissertation: Algorithms and Reformulation Techniques for Three-Stage Interdiction and Fortification Problems
Dissertation Chairperson: J. Smith
Dissertation Cochairperson: J. P. Geunes

Jeremy Pye, Bachelor of Arts, 2005, University of Oklahoma; Master of Arts in Anthropology, 2007, University of Arkansas

Major: *Anthropology*
Dissertation: Living on the Border: Health, Environment and Multiculturalism in 19th Century Tucson
Dissertation Chairperson: J. M. Davidson

Shaoyu Qi, Bachelor of Science, 2009, Nanjing University—China

Major: *Computer Engineering*
Dissertation: Image Retargeting and Novel Applications
Dissertation Chairperson: J. Ho

Jeremy Radachowsky, Bachelor of Science in Ecology and Evolutionary Biology *summa cum laude*, 1997, University of Connecticut; Master of Science in Environmental Science, 2002, Florida International University

Major: *Interdisciplinary Ecology*
Dissertation: Multi-Stakeholder Platforms for Conservation and Development in Complex Social-Ecological Systems
Dissertation Chairperson: G. Kiker

Elizabeth Radke, Bachelor of Science in Animal Science, 2006, University of Kentucky; Master of Public Health, 2008, University of Pittsburgh—Pennsylvania

Major: *Epidemiology*
Dissertation: Incidence and Risk Factors of Ciguatera Fish Poisoning in the Caribbean and Florida
Dissertation Chairperson: J. Morris

Salih Rakap, Lisans Diploması, 2002, Gazi University—Turkey; Master of Education, 2007, University of Pittsburgh—Pennsylvania

Major: *Special Education*
Minor: *Research and Evaluation Methodology*
Dissertation: Preschool Teachers Use of Embedded Instruction and Engagement of Young Children with Disabilities
Dissertation Chairperson: P. A. Snyder

Lee Raney, Bachelor of Science in Mathematics, 2006, Florida Atlantic University; Master of Science, 2008, University of Florida

Major: *Mathematics*
Dissertation: Idempotent Elements in Blocks of p-Solvable Groups
Dissertation Chairperson: A. Turull

Yuan Rao, Bachelor of Engineering, 2001, Master of Engineering, 2004, Zhejiang University—China; Master of Science, 2012, University of Florida

Major: *Electrical and Computer Engineering*
Dissertation: Input-Powered Energy Harvesting Interface Circuits for Electrodynamical Vibrational Energy Harvesting Systems
Dissertation Chairperson: D. Arnold

Ashley Reynolds, Bachelor of Science in Nursing, 2006, Master of Science in Nursing, 2006, Jacksonville University—Florida

Major: *Nursing Sciences*
Minor: *Health Behavior and Interventions*
Dissertation: Age-Related Differences in Self-Efficacy and the Use of E-Health Supports for Exercise Behavior in Adults
Dissertation Chairperson: B. L. Roberts

Kharyssa Rhodes, Bachelor of Arts in Anthropology *summa cum laude*, 1995, Rhode Island College; Master of Arts in Anthropology, 2000, University of Colorado at Denver

Major: *Anthropology*
Dissertation: Historical Consciousness, National Identity, and the Legacy of Colonial Era Anthropological Discourse in Contemporary Uganda
Dissertation Chairperson: S. D. Gillespie

Trevor Richards, Bachelor of Science, 2006, Master of Science, 2009, University of Florida

Major: *Mathematics*
Dissertation: On Level Curves and Conformal Equivalence of Meromorphic Functions
Dissertation Chairperson: M. Jury

Paulina Rippere, Bachelor of Arts in Political Science, 2006, University of Central Florida; Master of Arts, 2010, University of Florida

Major: *Political Science*
Dissertation: Polarization Reconsidered: The Influence of Institutional Structure on Legislative Networks
Dissertation Chairperson: L. C. Dodd

Michael Ritter, Bachelor of Arts, 2002, Ohio University; Master of Arts, 2006, University of Florida

Major: *Classical Studies*
Dissertation: Historicizing Satire: A Vengeance Deferred
Dissertation Chairperson: T. S. Johnson

Shinlay Rivera, Bachelor of Science *cum laude*, 2002, Bachelor of Arts *cum laude*, 2002, Master of Education, 2004, Specialist in Education, 2004, University of Florida

Major: *Marriage and Family Counseling*
Dissertation: Jail Diversion and Recidivism: Impact on Community Integration and Treatment Utilization
Dissertation Chairperson: M. Daniels

Joy Rodgers, Bachelor of Arts in Sociology, 1987, University of Arizona; Master of Science, 2008, Master of Science, 2011, University of Florida

Major: *Mass Communication*
Dissertation: “Drug Approved. Is Disease Real?” Female Fibromyalgia Patients Respond to the Mediated Question and the Meaning of Diagnosis to Their Lives
Dissertation Chairperson: D. M. Treise

Prisca Rodríguez, Bachelor of Arts in English, 2000, University of Puerto Rico at Mayaguez; Master of Arts, 2004, University of Central Florida

Major: *Curriculum and Instruction*
Dissertation: The Visual Connection: A Qualitative Study of 4 and 5 Grade Teachers Use of Visuals Within Technology Enhanced Curriculum
Dissertation Chairperson: R. M. Lowery

Rafael Rojas, Bachelor en Ciencias Sociales, 1991, Pontificia Universidad Catolica del Peru; Master of Arts, 2004, University of Florida
 Major: *Interdisciplinary Ecology*
 Dissertation: Agricultural Expansion Alongside Productive Forests and Parks in the Southern Peruvian Amazon
 Dissertation Chairperson: S. G. Perz

Joel Rosenfeld, Bachelor of Science, 2008, Master of Science, 2010, University of Florida
 Major: *Mathematics*
 Dissertation: Classes of Densely Defined Multiplication and Toeplitz Operators and Applications to Extensions of Reproducing Kernel Hilbert Spaces
 Dissertation Chairperson: M. Jury

Muhammad Rushdi, Bachelor of Biomedical and Systems Engineering, 2001, Bachelor of Science in Mathematics, 2003, Master of Science in Systems and Biomedical Engineering, 2005, Cairo University–Egypt; Master of Science, 2012, University of Florida
 Major: *Computer Engineering*
 Dissertation: On Learning and Regularization in Super-Resolution Imaging
 Dissertation Chairperson: J. Ho

Bijoyraj Sahu, Bachelor of Engineering in Mechanical Engineering, 2003, Biju Patnaik University of Technology–India; Master of Science, 2010, University of Florida
 Major: *Mechanical Engineering*
 Dissertation: Design, Fabrication, and Characterization of a Scanning Probe Microscopy Cantilever with an Integrated Electrothermally Actuated Microgripper for Automated Tool-Tip Exchange
 Dissertation Chairperson: C. Taylor

Abdul-Wahab Salifu, Bachelor of Science in Agriculture, 2003, University of Ghana; Master of Science in Agriculture, 2009, Tuskegee University–Alabama
 Major: *Food and Resource Economics*
 Dissertation: Economically Optimal Management of Huanglongbing in Florida Citrus
 Dissertation Chairperson: T. H. Spreen

Younis Salmean, Bachelor of Science, 2005, California State University at Fresno; Master of Science, 2008, University of Florida
 Major: *Food Science and Human Nutrition*
 Dissertation: The Effects of Added Fiber to the Diets of Chronic Kidney Disease Patients on Quality of Life, Clinical Markers, and Gastrointestinal and Kidney Function
 Dissertation Chairperson: W. J. Dahl

Lilibeth Salvador, Bachelor of Science, 2000, Master of Science, 2006, University of the Philippines
 Major: *Pharmaceutical Sciences–Medicinal Chemistry*
 Dissertation: Drug Discovery From Marine *Cyanobacteria Symploca spp.* and *Phormidium spp.*: Novel Structures and Bioactivities of Secondary Metabolites
 Dissertation Chairperson: H. Luesch

Mustapha Sami, Bachelor of Arts, 1989, Cadi Ayyad University–Morocco; Master of Arts, 2004, University of South Florida
 Major: *Romance Language–French and Francophone Studies*
 Dissertation: L'écriture de l'enfance dans le texte autobiographique marocain. Elements d'analyse a travers l'étude de cinq recits. Le cas de Charaibi, Khatibi, Choukri, Mernissi et Rachid O.
 Dissertation Chairperson: A. Sow

Sean Samuelson, Bachelor of Science in Electrical Engineering, 2007, Master of Science, 2009, University of Florida
 Major: *Electrical and Computer Engineering*
 Dissertation: MEMS Electrothermal Actuators in Guided and Unguided Fourier Transform Spectroscopy Systems
 Dissertation Chairperson: H. Xie

Amandeep Sandhu, Bachelor of Food Science and Technology, 2003, Master of Science in Food Technology, 2005, Guru Nanak Dev University–India
 Major: *Food Science and Human Nutrition*
 Dissertation: Identification, Enhancement, and Concentration of Phenolic Compounds in Muscadine Grapes
 Dissertation Chairperson: L. Gu

Yukari Schneider, Bachelor of Arts in Biology, 2005, Covenant College–Georgia; Master of Public Health, 2007, University of Florida
 Major: *Mass Communication*
 Dissertation: Studying the Effects of Need for Cognition and Elaboration Appeals on Participant Evaluation of Informed Consent Information
 Dissertation Chairperson: D. M. Treise

Kinda Seaton, Bachelor of Science in Biological Sciences, 2005, Louisiana State University and A&M College
 Major: *Medical Sciences–Immunology and Microbiology*
 Dissertation: A Gene Cluster Involved in Stress Tolerance, (P)Ppgrp Metabolism and Genetic Competence in *Streptococcus Mutans*
 Dissertation Chairperson: R. A. Burne

Brian Sebastian, Bachelor of Arts in Philosophy, 1994, Xavier University–Ohio; Master of Arts, 1996, University of Missouri at Columbia
 Major: *Classical Studies*
 Dissertation: Apostrophe to the Gods in Ovid's Metamorphoses, Lucan's Pharsalia, and Statius' Thebaid
 Dissertation Chairperson: V. E. Pagan-Wolpert

Megan Seifert, Bachelor of Science in Wildlife Science, 2004, Virginia Polytechnic Institute and State University
 Major: *Zoology*
 Dissertation: Plant Armament as Model Traits to Study the Ecology and Evolution of Plant Defense
 Dissertation Chairperson: T. Palmer

Subhajit Sengupta, Bachelor of Computer Science and Engineering, 2004, Jadavpur University–India
 Major: *Computer Engineering*
 Dissertation: Bayesian Nonparametric Model on Stiefel Manifold and Model Involving Continuous-Time Stochastic Processes
 Dissertation Chairperson: A. Banerjee

Denise Sharbaugh, Bachelor of Science in Chemistry, 2003, Dickinson College–Pennsylvania
 Major: *Chemistry*
 Dissertation: The Effect of Phospholipase A2 on the Precipitation and Attachment of Calcium Oxalate Monohydrate at Lipid Interfaces
 Dissertation Chairperson: D. R. Talham

Shweta Sharma, Bachelor of Agriculture, 2004, Tribhuvan University–Nepal; Master of Science, 2009, University of Florida
 Major: *Entomology and Nematology*
 Dissertation: Direct and Indirect Impact of Honeydew Producers on *Nylanderia Fulva (Mayr)* in Florida Landscapes and Its Cultural Control
 Dissertation Chairperson: E. A. Buss
 Dissertation Cochairperson: D. H. Oi

Yilin Shen, Bachelor of Science, 2005, Donghua University–China; Master of Science, 2012, University of Florida
 Major: *Computer Engineering*
 Dissertation: The Exploitation of Power-Law Networks: Robustness, Optimization, and Its Impact on Communication Networks and Social Behaviors
 Dissertation Chairperson: M. T. Thai

Herschel Shepard, Bachelor in English Literature, 1995, University of North Florida; Master of Arts, 2003, University of Florida
 Major: *English*
 Dissertation: Saved by Zero: Sovereignty and (Super)Heroics after 9/11
 Dissertation Chairperson: J. P. Leavey

Matthew Shirley, Bachelor of Science, 2003, Yale University–Connecticut; Master of Science, 2007, University of Florida
 Major: *Wildlife Ecology and Conservation*
 Dissertation: Hierarchical Processes Structuring Crocodile Populations in Central Africa
 Dissertation Chairperson: J. Austin

Savyasachi Singh, Bachelor of Technology in Electronics and Communication Engineering, 2005, Vellore Institute of Technology–India; Master of Science, 2007, University of Florida
 Major: *Electrical and Computer Engineering*
 Dissertation: Automatic Evaluation of Disordered Speech
 Dissertation Chairperson: J. G. Harris

Jennifer Snyder, Artium Baccalaureus, 2004, University of Georgia; Master of Arts, 2006, University of Florida

Major: *History*

Dissertation: Black Flight: Tracing the Loyalist Slave Diaspora Throughout the Revolutionary Atlantic World

Dissertation Chairperson: J. Sensbach

Dissertation Cochairperson: J. L. Harland-Jacobs

José Soto, Bachelor of Arts in Economics, 2006, Master of Science, 2008, University of Arizona

Major: *Food and Resource Economics*

Dissertation: Estimating the Supply of Forest Carbon Offsets: A Comparison of Best-Worst and Discrete Choice Valuation Methods

Dissertation Chairperson: D. C. Adams

Dissertation Cochairperson: M. T. Olexa

Rachel Speisman, Bachelor of Science in Agricultural and Biological Engineering *cum laude*, 2008, University of Florida

Major: *Biomedical Engineering*

Dissertation: Identifying Inflammatory Biomarkers of Cognitive Aging Through Relationships Between Measures of Inflammation, Neurogenesis, and Cognition in Aged Rats

Dissertation Chairperson: B. K. Ormerod

David Stanley, Bachelor of Applied Science, 2007, Master of Applied Science, 2009, University of Toronto—Canada

Major: *Biomedical Engineering*

Dissertation: Local Circadian Dysfunction in a Rat Model of Temporal Lobe Epilepsy

Dissertation Chairperson: P. R. Carney

Dissertation Cochairperson: S. Talathi

Forrest Stevens, Bachelor of Arts, 1998, University of Chicago—Illinois; Master of Science, 2009, University of Florida

Major: *Geography*

Dissertation: Sensing Change: Methodologies of Scale and Analyzing Interactions of Land Cover, Land Use, and Forest Changes in Willowa County, Oregon

Dissertation Chairperson: J. Southworth

Dissertation Cochairperson: G. Kiker

Gabriela Stocks, Bachelor of Arts, 1998, University of Chicago—Illinois; Master of Arts, 2007, University of Florida

Major: *Anthropology*

Dissertation: Assessing the Long-Term Effects of Development-Forced Displacement and Resettlement: The Case of Nuevo Arenal, Costa Rica

Dissertation Chairperson: A. R. Oliver Smith

Matthew Strasberg, Bachelor of Science in Engineering Physics, 2007, Cornell University—New York

Major: *Materials Science and Engineering*

Dissertation: Understanding Fracture in Brittle Materials by Connecting Macroscopic Observations and Quantum Theory

Dissertation Chairperson: J. J. Mecholsky

Jillian Stupiansky, Bachelor of Science in Mathematics, 2007, Birmingham-Southern College—Alabama; Master of Science, 2009, University of Florida

Major: *Mathematics*

Dissertation: Mathematical Modeling of Citrus Greening

Dissertation Chairperson: S. Pilyugin

Whitney Stutts, Bachelor of Science in Chemistry *magna cum laude*, 2007, North Carolina State University

Major: *Chemistry*

Dissertation: Characterizing, Identifying, and Imaging Oxidized Phospholipids by Matrix-Assisted Laser Desorption/Ionization Tandem Mass Spectrometry

Dissertation Chairperson: R. A. Yost

Jing Sun, Bachelor of Science, 2005, Master of Science, 2008, Northwestern University—Illinois

Major: *Geography*

Minor: *Resilience in Landscape Ecology*

Dissertation: Quantitative Analysis of Deforestation Pattern Dynamics: Developing Forest Resilience Metrics in an Amazon Frontier

Dissertation Chairperson: J. Southworth

Michael Sytsma, Bachelor of Science in Aerospace Engineering *cum laude*, 2004, Master of Science, 2006, University of Florida

Major: *Aerospace Engineering*

Dissertation: Effects of Turbulence on Fixed Wing Small Unmanned Aerial Systems

Dissertation Chairperson: L. S. Ukeiley

Erin Talbert, Bachelor of Science in Biochemistry, 2007, Purdue University—Indiana

Major: *Health and Human Performance*

Dissertation: Mechanisms of Disuse Muscle Atrophy

Dissertation Chairperson: S. K. Powers

Haixiong Tang, Bachelor of Engineering, 2007, Master of Engineering, 2009, Harbin Institute of Technology—China

Major: *Materials Science and Engineering*

Dissertation: Investigation of Structure-Property Relations in Nanocomposites for Energy Storage

Dissertation Chairperson: H. A. Sodano

Gordon Taub, Bachelor of Arts in Drama, 1994, Bachelor of Science in Applied/Computational Mathematics Sciences, 2007, Master of Science, 2008, University of Washington at Seattle

Major: *Mechanical Engineering*

Dissertation: A Numerical and Experimental Study of Turbulent Single and Multiphase Forced Plumes and Jets at Moderate Reynolds Numbers

Dissertation Chairperson: S. Balachandar

Dissertation Cochairperson: S. A. Sherif

Sudheesh Thiyya Kkandi, Bachelor of Technology in Engineering, 2002, Calicut University—India; Master of Technology, 2004, University of Kerala—India

Major: *Civil Engineering*

Dissertation: Study of Grouted Deep Foundations in Cohesionless Soils

Dissertation Chairperson: M. C. McVay

Eric Thompson, Bachelor of Arts, 2002, New College of Florida; Master of Education, 2006, Specialist in Education, 2006, University of Florida

Major: *School Counseling and Guidance*

Dissertation: Rethinking Achievement Gaps in K-12 Schools: A Latent Growth Analysis of Biological, Social, and Contextual Determinants on Student Performance

Dissertation Chairperson: M. Daniels

Alfred Thomson, Bachelor of Science in Biology, 2001, Mansfield University of Pennsylvania; Master of Science, 2007, University of Florida

Major: *Zoology*

Dissertation: Systematics of the African Catfish Family *Amphiliidae* (*Teleostei: Siluriformes*)

Dissertation Chairperson: L. M. Page

John Timmerwilke, Bachelor of Science in Physics, 2007, University of Illinois at Urbana-Champaign

Major: *Physics*

Dissertation: Point Contact Studies of Iron Based Superconductors

Dissertation Chairperson: A. Biswas

John Tinnell, Bachelor of Arts in English, 2007, Stetson University—Florida; Master of Arts, 2010, University of Florida

Major: *English*

Dissertation: Figures of UbiComp: Conceptualizing and Composing Actionable Media

Dissertation Chairperson: G. L. Ulmer

Ferit Toska, Bachelor of Science, 2004, Bogazici University—Turkey; Master of Science, 2008, University of Florida

Major: *Mathematics*

Dissertation: Effective Symbolic Dynamics and Complexity

Dissertation Chairperson: D. A. Censer

Hsiu-Wen Tsai, Bachelor of Science, 2002, Taipei Medical College–Taiwan; Master of Science, 2004, National Cheng-Kung University–Taiwan
 Major: *Veterinary Medical Sciences*
 Dissertation: Tracheal Occlusion Evoked Respiratory Load Compensation and Inhibitory Neurotransmitter Expression in the Nucleus of Solitary Tract in Animals and the Effect of Emotion on the Perception of Respiratory Load in Humans
 Dissertation Chairperson: P. W. Davenport

Joseph Uzarski, Bachelor of Science in Biomedical Engineering, 2008, Michigan Technological University
 Major: *Biomedical Engineering*
 Dissertation: *In Vitro* Endothelialization of Decellularized Vascular Allografts
 Dissertation Chairperson: P. McFetridge

Stephen Walker, Bachelor of Science, 2005, Master of Science, 2009, University of North Texas
 Major: *Psychology*
 Dissertation: The Influence of Secondary Stimulus Characteristics in the Assessment of Sexual Offenders Diagnosed with Intellectual Disabilities
 Dissertation Chairperson: T. R. Vollmer

Qianfan Wang, Bachelor of Science, 2009, Peking University–China; Master of Science, 2012, University of Florida
 Major: *Industrial and Systems Engineering*
 Dissertation: Two-Stage Chance and Expected Value Constrained Stochastic Unit Commitment: Formulations, Algorithms, and Case Studies
 Dissertation Chairperson: Y. Guan

TzuShuo Wang, Bachelor of Science, 2004, Dong Hwa University–Taiwan; Master of Science in Education, 2007, University of Miami–Florida
 Major: *Health and Human Performance*
 Minor: *Marketing*
 Dissertation: Imagery Processing and Incidental Feelings: An Investigation of Sport Tourists' Decision Making Process During Planning Stage
 Dissertation Chairperson: K. Kaplanidou

Ya-Ying Wang, Bachelor of Science in Agriculture, 2001, Master of Science, 2003, National Taiwan University
 Major: *Botany*
 Dissertation: ROS Scavengers Affect Reproduction in Arabidopsis
 Dissertation Chairperson: B. A. Hauser

Nathan Wangusi, Bachelor of Science in Agricultural and Biological Engineering *cum laude*, 2007, Master of Engineering, 2009, University of Florida
 Major: *Agricultural and Biological Engineering*
 Dissertation: Investigating the Relationship of Scale and Resilience in Integrated Water Resource Management in the Crocodile River, South Africa
 Dissertation Chairperson: G. Kiker
 Dissertation Cochairperson: R. Munoz-Carpena

Dawn Ward, Bachelor of Arts in Anthropology, 1998, New York University; Magister en Anthropologia y Desarrollo, 2003, Universidad de Chile
 Major: *Interdisciplinary Ecology*
 Dissertation: Why Should We Certify Our Forests? Factors That Influence the Adoption and Maintenance of Forest Certification in Quintana Roo, Mexico
 Dissertation Chairperson: C. McCarty
 Dissertation Cochairperson: J. R. Stepp

Richard Warren, Bachelor of Science in Chemistry, 2007, Georgia College and State University
 Major: *Chemistry*
 Dissertation: Laser Induced Breakdown Spectroscopy on Particulate Matter in the Electrodynamic Balance
 Dissertation Chairperson: N. Omenetto

Danielle Watts, Bachelor of Science, 2002, Master of Science, 2008, University of Florida
 Major: *Interdisciplinary Ecology*
 Dissertation: Hydrologic Control on Ecosystem Metabolism: Local Processes and Landscape Dynamics in the Everglades Ridge-Slough
 Dissertation Chairperson: M. Cohen

Matthew Watts, Bachelor of Science in Biochemistry, 2007, North Carolina State University
 Major: *Medical Sciences–Immunology and Microbiology*
 Dissertation: Carbohydrate- and Oxygen-Dependent Gene Expression in *Streptococcus Mutans*
 Dissertation Chairperson: R. A. Burne

Benjamin Weber, Apotheker, 2008, University of Tubingen–Germany; Master of Statistics, 2012, University of Florida
 Major: *Pharmaceutical Sciences–Pharmacy*
 Dissertation: *In Vitro* and *In Vivo* Methods for Establishing Bioequivalence for Orally Inhaled Drug Products with Emphasis on Inhaled Corticosteroids
 Dissertation Chairperson: G. Hochhaus

Chi-hung Wei, Bachelor of Arts, 2000, Fu Jen Catholic University–Taiwan; Master of Arts, 2002, National Chengchi University–Taiwan
 Major: *Political Science*
 Dissertation: From Sanctions to Engagement: Norms and U.S. Economic Statecraft Toward China After Tiananmen
 Dissertation Chairperson: A. A. Hozic

Bradley West, Bachelor of Science, 1994, Master of Science, 1996, Illinois State University
 Major: *Higher Education Administration*
 Dissertation: Factors That Influence Doctoral Time to Degree: A Descriptive Analysis
 Dissertation Chairperson: D. F. Campbell

David White, Bachelor of Arts in Classic Studies, 1984, University of Akron–Ohio; Master of Arts, 1987, University of Pennsylvania; Master of Arts, 2000, Kent State University–Ohio
 Major: *Classical Studies*
 Dissertation: *Columella Res Rustica* 10: A Study and Commentary
 Dissertation Chairperson: V. E. Pagan-Wolpert

Dawit Woldu, Master of Arts, 2005, University of Florida
 Major: *Anthropology*
 Dissertation: The Influence of Socio-Cultural and Environmental Factors to Malaria Risk and Management in Mwewa Division of Central Kenya
 Dissertation Chairperson: A. Young

Cheryl Wolf, Bachelor of Science, 1995, United States Naval Academy–Maryland; Master of Science in Human Resource Management, 2000, Troy State University–Alabama; Master of Education, 2008, Specialist in Education, 2008, University of Florida
 Major: *Mental Health Counseling*
 Dissertation: Factors of Career Meaning: An Analysis of U.S. Naval Academy Graduates
 Dissertation Chairperson: M. Daniels

Lei Wu, Bachelor of Science, 2004, Qingdao University–China; Master of Science, 2007, Peking University–China
 Major: *Agricultural and Biological Engineering*
 Dissertation: Filtration and Transport of Colloids and Nanoparticles in Dense Emergent Vegetation: Theory, Experiments, and Modeling
 Dissertation Chairperson: R. Munoz-Carpena

Sebastian Wyman, Bachelor of Science in Mathematics and Physics, 2007, Case Western Reserve University–Ohio; Master of Science, 2010, University of Florida
 Major: *Mathematics*
 Dissertation: Closed Sets, Continuous Functions, and Symbolic Dynamics in the Arithmetic Hierarchy
 Dissertation Chairperson: D. A. Censer

Liwei Xie, Bachelor of Arts in Biological Science, 2009, State University of New York at Buffalo
 Major: *Nutritional Sciences*
 Dissertation: Transcriptional and Post-Transcription Regulation of Menkes Copper ATPase (Atp7a) Gene Expression During Iron Deficiency
 Dissertation Chairperson: J. F. Collins

Qinwei Xie, Bachelor of Management, 2007, Guangdong University of Foreign Studies—China; Master of Arts, 2008, University of Florida
 Major: *Mass Communication*
 Dissertation: Adding an Agent: Role of the Internet as a Consumer Socialization Mechanism Among the Millennials
 Dissertation Chairperson: J. D. Morris

Jie Yang, Bachelor of Science, 2008, Wuhan University—China
 Major: *Chemistry*
 Dissertation: Conjugated Polyelectrolytes Aggregation and Sensor Applications
 Dissertation Chairperson: K. S. Schanze

Yu-Chen Yang, Bachelor of Science, 2002, National Chung-Hsing University—Taiwan; Master of Business Administration, 2004, National Sun Yat-Sen University—Taiwan
 Major: *Business Administration—Information Systems and Operations Management*
 Dissertation: A Study of New Electronic Commerce Models
 Dissertation Chairperson: H. K. Cheng

Ying Yao, Bachelor of Science, 2007, Southwest University—China
 Major: *Agricultural and Biological Engineering*
 Dissertation: Sorption of Nutrients and Antibiotics on Biochar and Its Environmental Implications
 Dissertation Chairperson: B. Gao

Wei Zang, Bachelor of Engineering, 2006, Master of Engineering, 2008, Zhejiang University—China; Master of Science, 2010, University of Florida
 Major: *Electrical and Computer Engineering*
 Dissertation: Analytical Modeling and Analysis of Memory Access for Cache
 Dissertation Chairperson: A. Gordon-Ross

Nikolas Zawodny, Bachelor of Science in Mechanical Engineering *cum laude*, 2007, Bachelor of Science in Aerospace Engineering *cum laude*, 2007, Master of Science, 2009, University of Florida
 Major: *Aerospace Engineering*
 Dissertation: Aeroacoustic Characterization of Scaled Canonical Nose Landing Gear Configurations
 Dissertation Chairperson: L. N. Cattafesta III

Bo Zhang, Bachelor of Law, 2004, Master of Architecture, 2006, Huazhong University of Science and Technology—China
 Major: *Design, Construction, and Planning*
 Dissertation: The Aesthetic Attributes of Stormwater Treatment System as Relates to Its Ecological Significance
 Dissertation Chairperson: M. H. Carr

Hao Zhang, Bachelor of Engineering in Biological Engineering, 2006, Bachelor of Engineering in Macromolecule Material and Engineering, 2006, Beijing Institute of Technology—China
 Major: *Environmental Engineering Sciences*
 Dissertation: Partitioning, Distribution, and Speciation of Nitrogen in Urban Rainfall-Runoff
 Dissertation Chairperson: J. Sansalone

Meng Zhang, Bachelor of Arts, 2005, Shanghai International Studies University—China; Master of Arts, 2008, San Francisco State University—California
 Major: *Mass Communication*
 Dissertation: Beauty Pageant in Neoliberal China: A Feminist Media Study of Feminine Beauty and Chinese Culture
 Dissertation Chairperson: C. Armstrong

Ning Zhang, Bachelor of Engineering, 2006, Dalian University of Technology—China; Master of Engineering, 2008, Huazhong University of Science and Technology—China
 Major: *Mechanical Engineering*
 Dissertation: Molecular Mechanistic Origin of the Mechanical Properties of Nacre
 Dissertation Chairperson: Y. Chen

Yichen Zhang, Bachelor of Science, 2008, Tsinghua University—China; Master of Science, 2010, University of Florida
 Major: *Astronomy*
 Dissertation: Massive Star Formation: Theory and Observation
 Dissertation Chairperson: J. Tan

Han Zhao, Bachelor of Engineering, 2006, Jilin University—China; Master of Science in Computer Science, 2010, Oklahoma State University
 Major: *Computer Engineering*
 Dissertation: Exploring Cost-Efficient Resource Management Strategies in the Age of Utility Computing
 Dissertation Chairperson: X. Li

Pingping Zhu, Bachelor of Engineering, 2006, Master of Engineering, 2008, Huazhong University of Science and Technology—China; Master of Science, 2010, University of Florida
 Major: *Electrical and Computer Engineering*
 Dissertation: Kalman Filtering in Reproducing Kernel Hilbert Spaces
 Dissertation Chairperson: J. C. Principe

DOCTOR OF EDUCATION

Sean Kinsley, Bachelor of Science, 1992, State University of New York at Fredonia; Master of Science in Education, 1999, Niagara University—New York
 Major: *Educational Leadership*
 Dissertation: The Impact of School-Wide Positive Behavior Support on Number of Office Discipline Referrals and the Financial Impact It Has on the Allocation of Funds in Both High and Low Socioeconomic Status School Settings
 Dissertation Chairperson: R. Wood

Traci Kohler, Bachelor of Science in Education, 1992, University of Wisconsin at Madison; Master of Education, 1999, Florida Gulf Coast University
 Major: *Educational Leadership*
 Dissertation: Cost Efficiency of Supplemental Educational Services in a Selected School District
 Dissertation Chairperson: R. Wood

Laura Lowder, Bachelor of Arts in Elementary Education, 2002, Pfeiffer University—North Carolina; Master of Education, 2006, Jones International University—Colorado
 Major: *Curriculum and Instruction*
 Dissertation: Building Technological, Pedagogical Content Knowledge (Tpack) Among Preservice Teachers in a Science Methods Course Using the Action Research Model
 Dissertation Chairperson: K. M. Dawson

Mary-Anne Primack, Bachelor of Science in English Education, 2002, Master of Science in English Education, 2005, Florida State University; Specialist in Education, 2009, University of Florida
 Major: *Educational Leadership*
 Dissertation: Picture This Portraits of Belonging and First Generation Low Income Students Transition to and Persistence in a Postsecondary Institution
 Dissertation Chairperson: D. F. Campbell
 Dissertation Cochairperson: L. Ponjuan



DOCTOR OF AUDIOLOGY

Sebastian Gabriel de la Calle
Amy C. Badstubner
Debra J. Burke
Shahrazad Cohen
Zaida Ivelisse Crespo
Heather Curran Davidson
Deborah A. Earley
Emily Ann Gaines
Marianne Roberta Hamilton
Colleen Ryans Hicks

Yang Huang
Michael F. Jackson
Katherine A. Kahlert
Elizabeth A. Larimer
Lorraine E. LeBlanc
Erin Marie Lustik
Elizabeth A. McCleary
Margaret A. Meredith
Kari Elizabeth Morgenstein

Pirayeh Niavarany
Nicole S. Nordal
Stacy Jordan Noskowitz
Judenie A. Raphael
Bernadette Sánchez Cuevas
Danielle Ashley Sheffield
Carla Beth Sisselsky
Lierra B. Sobolevskiy
Jennifer J. Trautman
Patricia S. Utech Smith

DOCTOR OF JURIDICAL SCIENCES IN TAXATION

Jeong-hee Choi

DOCTOR OF PHYSICAL THERAPY

Alicia Kristine Anderson
Caroline Brown Bergh
Courtney Elizabeth Bohné
Jason Thomas Bouwkamp
Lindsey Johanna Bozich
Michelle Nicole Carter
William E. Coggin
Kirk Byrns Downer
Justin Scott Froiseth
Lauriedale Bontia Garay
Ashtyn Rose Gibbs
Amanda Lynn Guevara
Kara Elise Hannibal
Lauren Elizabeth Hardin
Brittney Leigh Herder
Robert A. Hixon
Taylor Ryan Holt
Sarah M. Huempfner

Briana Nicole James
Bhawna Malik Khirbat
Alison Remy Kochey
Sergio E. Leon
Christina Renee Link
CariAnn E. Litz
Katie Lynn Marcoux
Alison Mathai
Gaura G. Mehta
Kelly Ann Murphy
Kendra Carolyn Norman
Megan K. Park
Lindsey J. Parker
Khushbuben Ratilal Patel
Adrian Perez
Lorena Ramirez
Laura C. Rogozinski
Seth J. Rohde

Bryant Aubrey Seamon
Kristen Smith
Ashley Nicole Stewart
Kathryn Dora Swanson
Ali Noelle Thompson
Lindsay Marie Tisdale
Christina Victoria Tokics
Nicholas V. Treviño
Alyssa Lynn Triacca
Tim Linn Turner
Marsid Tushe
Amanda Rufo Tuten
Melissa Margaret Van Rees
Aaron Miguel Varieur
Stephanie J. Wickham
Heather N. Wyatt
Jon A. Yarbrough
Lenni Jo Yarchin

DOCTOR OF PLANT MEDICINE

Courtney Renaé Buckley

William J. Lester

Bonnie Cook Wells



What Makes a University Great?

Some interesting facts about the University of Florida

Educational Excellence

UF is consistently ranked among the nation's top universities: No. 17 in U.S. News & World Report "Top Public Universities" (August 2012); No. 2 in Kiplinger's "Best Values in Public Colleges" (2012) and No. 7 in the Princeton Review Best Value Public Colleges (2012).

Job recruiters ranked UF ninth on the list of Top 25 places where corporations prefer to recruit new employees (2010). UF also ranks No. 2 on SmartMoney magazine's list of universities whose graduates get the highest salary return for their tuition dollars (2012); No. 3 on SmartMoney magazine's list of colleges and universities that help graduates get top salaries (2011); and No. 6 on Payscale.com's list of universities that offer the best return on investment for undergraduate education (2011). UF ranked 21st in the National Universities category of the 2012 Washington Monthly magazine College Rankings.

Faculty

- UF has 4,215 faculty members with distinguished records in teaching, research and service, including 40 Eminent Scholar chairs and 28 faculty elections to the National Academy of Sciences, Engineering, the Institute of Medicine, or the American Academy of Arts and Sciences.
- Awards include a Fields Medal, two Pulitzer Prizes, NASA's top award for research, and Smithsonian Institution's conservation award.

Students

- The fall 2012 incoming freshman class had an average 4.2 GPA and 1945 SAT score.
- UF admitted 1,375 International Baccalaureate students — more than any other university in the U.S. — in fall 2011.
- More than 90 percent of incoming freshmen score above the national average on standardized exams.
- The freshman retention rate of 96 percent is among the highest in the country.
- Sixty-five percent of UF freshmen graduate in four years, and 83 percent graduate in six years.
- Nearly two-thirds of UF graduates leave the university with no student loan debt. For the remaining third, their average indebtedness is about \$17,000, as compared with the national average of roughly \$27,000.
- Among AAU public universities, UF ranked second in bachelor's degrees and fourth in doctorates awarded to Hispanic students in 2009-10.
- Among AAU public universities, UF ranked first in bachelor's degrees and fifth in doctorates awarded to African-American students in 2009-10.

Research and Discoveries

UF is a leader in research and discoveries which improve the lives of individuals throughout the state, nation and world.

- UF's research expenditures totaled \$740 million in 2011, ranking it 12th in a national ranking of research and development spending at public universities.
- Gatorade®, the world's most popular sports drink, is just one of hundreds of commercial products resulting from UF research.



Born in the lab

In 1965, University of Florida nephrologist Dr. James Robert Cade and a team of researchers who included Dr. H. James Free, Dr. Dana Shires, and Dr. Alex de Quesada, began work to answer the question posed about the football team regarding why players were suffering from heat and heat-related illness.

At the time, basic exercise wisdom discouraged replenishing liquids lost to sweating during a game, and the researchers quickly discovered that players were losing too much fluid and electrolytes, and the large amounts of carbohydrates the players' bodies used for energy were not being replenished.

They developed a drink that contained salts and sugars that could be absorbed more quickly, and the basis for Gatorade® was formed.

Dr. Cade was an innovator who also worked on discoveries such as popsicles that could help replenish protein and pneumatic helmets. He was a talented clinician and teacher, as well as a devoted violinist who would play for his patients and whose numerous interests show a basic creativity and ability to make unexpected connections to answer research questions in new ways.

Economic Impact

UF is an economic powerhouse behind Florida's economy.

- UF's annual economic impact exceeds \$8.76 billion.
- UF activities generate an estimated 106,118 statewide jobs, including more than 41,000 university employees and those employed by supporting businesses.
- Every state dollar appropriated to the University of Florida results in a \$15 return on investment.

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Chain of Office

The chain of office is an ornament worn with the president's academic regalia symbolizing the authority and responsibilities incumbent with the office. The chain was presented in 2004 during the installation ceremony of President J. Bernard Machen. The medallion centerpiece is a 1.3-carat orange diamond engraved with the portraits, names and service years of the university's 11 presidents. The Major Analytical Instruments Center at UF used ion beam engraving technology on the medallion. Also on the medallion are three .025-carat blue diamonds placed around the silhouette of the Century Tower and University Auditorium, signifying teaching, research and service. All four diamonds, donated by Gemesis Corp. of Sarasota, Florida, were grown using a process developed and patented by UF's Department of Materials Science and Engineering.

Academic Mace

"Honoring the Past, Shaping the Future" was the signature of the University of Florida's sesquicentennial celebration in 2003. It also was the inspiration for the ceremonial mace created and dedicated to mark this historic event. The mace dates back to the Middle Ages and symbolizes strength and authority; each is unique and reflects the values and characteristics of the institution. The university's chief marshal carries the mace at all academic processions. Designed and crafted on the University of Florida campus, the mace artfully symbolizes those elements important to the university's identity and history.

The 70-inch ceremonial staff combines traditional elements with modern styling. The stylized alligator rests on the globe signifying the University of Florida as an adaptable global leader in teaching, research and service. The four pillars supporting the globe represent the four original colleges; Agriculture, Engineering, Liberal Arts and Law. The cone holds the University of Florida Seal and words to the Alma Mater. The staff is carved from native cherry wood. The acorn finial depicts the adage "from tiny acorns mighty oaks do grow," a commitment to life long learning. The brick pattern on the handle symbolizes higher education tradition and structure. Like the institution it represents, the mace is not static; growth and movement are expressed with loose rings engraved with the names of the university's presidents and their years in office.



Diplomas

Diplomas will be mailed to the graduate's permanent home mailing address in late July 2013. The permanent home mailing address can be verified through "My Account" — update my directory profile at my.ufl.edu.

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Caps and Gowns, An Explanation

The academic attire worn by faculty and graduating students at today's commencement ceremony evolved from a style of dress worn by members of guilds and religious orders in medieval times. The black academic gown signifies that the individual wearing it has earned a degree in higher education.

Distinctions in the sleeve shape indicate the type of degree held by the wearer of the black gown. A round, open sleeve identifies a doctoral degree; by comparison, a long, pointed sleeve indicates a bachelor's degree, while a long, closed sleeve with a slit near the upper part of the arm designates a master's degree.

The doctoral costume also has velvet bands down the front of the gown and velvet cross bars on the sleeves. The trimming may be black, or it may match the color of the velvet hood edging. Colored tassels on the degree candidates' caps indicate a candidate's school or college.

Graduate candidates also wear a hood. At the University of Florida the lining of the hood has a blue chevron on an orange background.

In keeping with standards established for American universities in the late 19th century, the color of the velvet edging on the academic hood represents the wearer's particular degree. White, used for the study of arts and letters, was inspired by the white fur trimming of the Oxford and Cambridge bachelor of arts hoods. Green was selected for medicine to reflect the color of medieval herbs, while golden yellow was chosen for the sciences to represent the wealth crated by scientific research.

The following colors are specific to the University of Florida:

Agriculture and Life Sciences; Forest Resources and Conservation – Maize

Design, Construction and Planning; Building Construction – Blue-Violet

Audiology – Colonial Blue

Business Administration, Accounting – Drab

Dentistry – Lilac

Education – Light Blue

Engineering – Orange

Fine Arts – Brown

Journalism and Communications – Garnet

Law – Purple

Liberal Arts – White

Liberal Sciences – Gold-Yellow

Medicine – Green

Music – Pink

Natural Resources and Environment – Antique Gold

Philosophy – Royal Blue

Public Health – Salmon-Pink

Rehabilitation Counseling – Nile Green



Alma Mater

*Florida, our Alma Mater
Thy glorious name we praise
All thy loyal sons and daughters
A joyous song shall raise.
Where palm and pine are blowing,
Where southern seas are flowing,
Shine forth thy noble Gothic walls,
Thy lovely vine-clad halls.
Neath the Orange and Blue victorious
Our love shall never fail.
There's no other name so glorious—
All hail, Florida, Hail!*

Milton Yeats