Graduate Commencement Ceremony

Platform Officials

Gregory L. Geoffroy, President of the University
Sedahlia J. Crase, Professor of Human Development and Family Studies, Speaker
Elizabeth Hoffman, Executive Vice President and Provost
David K. Holger, Associate Provost for Academic Programs
Thomas L. Hill, Vice President for Student Affairs
Todd R. Holcomb, Associate Vice President for Student Affairs
Dione D. Somerville, Dean of Students
Jeffery W. Johnson, President of the Alumni Association

Mark C. Engelbrecht, Dean of the College of Design
Labh S. Hira, Dean of the College of Business
Mark J. Kushner, Dean of the College of Engineering
Cheryl L. Achterberg, Dean of the College of Human Sciences
Joe P. Colletti, Senior Associate Dean of the College of Agriculture and Life Sciences
Donald L. Reynolds, Associate Dean for Research of the College of Veterinary Medicine
David J. Oliver, Associate Dean of the College of Liberal Arts and Sciences
Kathleen M. Jones, Assistant Vice President for Enrollment and Registrar of the University

Faculty Representatives and Presenting Professors

Linda Ambrosio, Biochemistry, Biophysics, and Molecular Biology
Susan W. Arendt, Apparel, Educational Studies and Hospitality Management
Bruce A. Babcock, Economics
Diane C. Bassham, Genetics, Development and Cell Biology
Gwyn A. Beattie, Plant Pathology ‡
Donald C. Beitz, Biochemistry, Biophysics, and Molecular Biology ‡
Leslie R. Bloom, Curriculum and Instruction
Kenneth M. Bryden, Mechanical Engineering
Joel R. Coats, Entomology
William G. Crumpton, Ecology, Evolution, and Organismal Biology
Jack C. M. Dekkers, Animal Science
Tim R. Derrick, Kinesiology
Nancy J. Evans, Educational Leadership and Policy Studies
Ann M. Fiore, Apparel, Educational Studies and Hospitality Management
Brian Gleeson, Materials Science and Engineering ‡‡
Mark C. Gordon, Chemistry ‡
Cheryl O. Haufsafus, Apparel, Educational Studies and Hospitality Management
Beth A. Herbel-Eisenmann, Curriculum and Instruction
Joseph A. Herriges, Economics
Andrew C. Hillier, Chemical and Biological Engineering
Heike Hofmann, Statistics
Vasant G. Honavar, Computer Science
Richard B. Honzatko, Biochemistry, Biophysics, and Molecular Biology
R. S. Houk, Chemistry
Charles R. Hurburgh, Agricultural and Biological Engineering
Kristen M. Johansen, Biochemistry, Biophysics, and Molecular Biology

Robyn Johnson Cooper, Educational Leadership and Policy Studies
Rameshwar S. Kanwar, Agricultural and Biosystems Engineering
Frankie Santos Laanan, Educational Leadership and Policy Studies
Monica H. Lamm, Chemical and Biological Engineering
Michael D. Larsen, Statistics
Michael Lee, Agronomy
Howard A. Levine, Mathematics ‡
Barbara L. Licklider, Educational Leadership and Policy Studies
Zhiqun Lin, Materials and Science Engineering
Hailiang M. Liu, Mathematics
Surya K. Mallapragada, Chemical and Biological Engineering
Adin Mann, Mechanical Engineering
Joanne M. Marshall, Educational Leadership and Policy Studies
Gregory M. Maxwell, Mechanical Engineering
Scott C. McLeod, Educational Leadership and Policy Studies
Brian E. Mennecke, Logistics, Operations, and Management Information Systems
W. Allen Miller, Plant Pathology
Megan J. Murphy, Human Development and Family Studies
Balaji Narasimhan, Chemical and Biological Engineering
Basil J. Nikolau, Biochemistry, Biophysics, and Molecular Biology
Craig A. Ogilvie, Physics and Astronomy
Say Kee Ong, Civil, Construction, and Environmental Engineering
Lynn Paxson, Architecture
Jacob W. Petrich, Chemistry
Pamela Riney-Kehrberg, History
Derrick K. Rollins, Chemical and Biological Engineering

‡Distinguished Professor  ‡‡Endowed Chair  ‡University Professor  ‡‡Endowed Professorship
Faculty Marshals

Larry H. Ebbers, University Professor of Educational Leadership and Policy Studies, College of Human Sciences (Chief Marshal)
Daniel C. Robinson, University Professor of Educational Leadership and Policy Studies, College of Human Sciences (Chief Marshal)
Frederick H. Dark, Associate Professor of Finance, College of Business
Yvonne S. Gentzler, Associate Professor of Apparel, Educational Studies, and Hospitality Management, College of Human Sciences

Richard E. Horton, Emeritus Professor of Electrical and Computer Engineering, College of Engineering
Kenneth C. Kruempel, Emeritus Associate Professor of Electrical and Computer Engineering, College of Engineering
Jon J. Tollefson, Professor of Entomology, College of Agriculture and Life Sciences
Robert S. Wallace, Associate Professor of Ecology, Evolution and Organismal Biology, College of Liberal Arts and Sciences

Announcer and Reader of Names

Hollis Monroe, Producer, WOI Radio

Musicians

Conductor
Michael Golemo, Director of Bands

Vocalist
Kelly Kruse *

Trumpet
Matthew Gaunitz
Katharine Gay
Joel Rindfleisch
Alex Sutherland
Chad Zimmermann

Trombone
Allen Chace
Burton Hable
Margaret Larabee Meyer *
Jeffrey Schmitt

Euphonium
Omar Aleman
Lynsey Carlson *

Tuba
John Carmicheal
Simon McCoy

Percussion
Samantha Deaton
Rachel McCoy

* graduating student
GRADUATE COLLEGE PROGRAM

8:00 p.m., Friday, May 9, 2008, C.Y. Stephens Auditorium

President Gregory L. Geoffroy, B.S., Ph.D., Presiding

Processional

Pomp and Circumstance .................................................. Edward Elgar

The Star-Spangled Banner .................................................. Francis Scott Key

arr. Michael Golemo

Kelly A. Kruse, Vocalist

Introduction of Speaker

President Geoffroy

Commencement Address:

“Oh my gosh, this is it, here I go:”  Embarking On Your Journey and Becoming Yourself

Sedahlia J. Crase

Professor

Human Development and Family Studies

Interlude

A Western Fanfare .................................................... Eric Ewazen

Recognition of Students Receiving Research Excellence Awards and Teaching Excellence Awards

Provost Hoffman

Conferring of the Degree Doctor of Philosophy

Candidates from the Graduate College presented by David K. Holger,
Associate Provost for Academic Programs and Dean of the Graduate College

President Geoffroy

Conferring of the Master’s Degree

Candidates from the Graduate College presented by David K. Holger,
Associate Provost for Academic Programs and Dean of the Graduate College

President Geoffroy

The Class of 2008 and the Alumni Association

Jeffrey W. Johnson

President of the ISU Alumni Association

Remarks

President Geoffroy

The Bells of Iowa State .................................................... James C. Wilson

arr. Michael Golemo

Kelly A. Kruse, Vocalist

Following the singing of The Bells of Iowa State, the class and audience should remain standing until the faculty leave the stage. Refer to the back cover for the lyrics and history of The Bells of Iowa State.

Recessional

La Mourisque ................................................................. Tylman Susato
Sedahlia Jasper Crase is a professor in the Department of Human Development and Family Studies at Iowa State University. She joined the Iowa State faculty in 1973 as an assistant professor, was named associate professor in 1977, and professor in 1982.

Dr. Crase is a native of Kentucky who received a bachelor's degree from Berea College, a Master's degree from the University of Kentucky, and the doctorate from Iowa State University. She was the first member of her family to attend high school.

Dr. Crase's research focuses broadly on various aspects of parenting and parent education, including parenting attitudes and behaviors. In addition to her many scholarly publications, she contributes regularly to more popular venues on parenting. She was a founding member of the Iowa Chapter of the National Committee for the Prevention of Child Abuse and Neglect.

Dr. Crase's participation in the North Central Regional Research Project as a young assistant professor was particularly valuable to her research and teaching, as it gave her a perspective on Iowa families she would not otherwise have received. The work involved traveling the state and collecting data on 120 families over a five-year period.

Dr. Crase has taught thousands of students. Her greatest professional pride and joy are the more than 75 graduate students she has mentored in her role as their major professor, and she continues to informally mentor many of them as they move through their own careers and family lives.

Dr. Crase has served in numerous leadership roles at Iowa State and in her profession. This past academic year, she has served as president of the ISU Faculty Senate. She also has served as president of the ISU Chapter of Phi Kappa Phi, president of the Iowa Council on Family Relations, and editor of Parenting Studies.

She and her husband, Ike, have two grown children. Kirsten is a doctoral candidate in American Studies at the University of Maryland, and Brandon is a third-year law student at Georgetown University Law Center. Dr. Crase points to parenting her children as her most fulfilling role and greatest accomplishment.
CANDIDATES FOR DEGREES FROM THE GRADUATE COLLEGE

DOCTOR OF PHILOSOPHY

Marcus Anthony Alexander  Winnsboro, S.C.
B.S., University of South Carolina;
M.B.A., Iowa State University
Department: Logistics, Operations and Management Information Systems
Major: Human Computer Interaction
Dissertation: Ethnic-identity intensity as a moderator of the Technology Acceptance Model and its antecedents

Pamela K. Armstrong-Vogel  West Des Moines
B.S., University of Iowa;
M.S., Drake University;
M.S., *Ibid.*;
Department: Educational Leadership and Policy Studies
Major: Education (Educational Leadership)
Dissertation: Leading change: The role of the principal leading school improvement through implementation of the Iowa Professional Development Model

Deandrea L. Baird  Cedar Rapids
B.A, Simpson College;
M.Educ., Iowa State University
Department: Educational Leadership and Policy Studies
Major: Education (Educational Leadership)
Dissertation: Mission possible: Skills 2010-A study of Kirkwood Community College’s employers’ skills and education needs

Shirley Ruth Oetjen Beaver  Clive
B.S.N., University of Iowa;
M.N., University of Oregon Health Sciences Center
Department: Educational Leadership and Policy Studies
Major: Education (Educational Leadership)
Dissertation: Second fiddle? An interpretive study of followers of servant leaders

§ Jennifer Ellen Barker Devine  Council Bluffs
B.A., Central Missouri State University;
M.A., Iowa State University
Department: History
Major: Agricultural History and Rural Studies

Alison Elizabeth Barnhill  Huxley
B.S., Iowa State University;
Major: Neuroscience
Dissertation: Proteins affecting rod photoreceptor differentiation in the murine retina: A proteomics approach with emphasis on mTOR

Mustafa Birkan Bayrak  Istanbul, Turkey
Lisans., Istanbul Technical University;
Department: Civil, Construction and Environmental Engineering
Major: Civil Engineering (Geotechnical Engineering)
Dissertation: Analysis of jointed plain concrete pavement systems with nondestructive test results using artificial neural networks

M. Brad Beardsley  Laura, Ill.
B.S., Iowa State University;
Major: Materials Science and Engineering
Dissertation: Potential use of quasicrystalline materials as thermal barrier coatings for diesel engine components

§ Xiaomin Bao  Hangzhou, China
B.Sc, Zhejiang University
Department: Biochemistry, Biophysics, and Molecular Biology
Major: Genetics
Dissertation: Functional analysis of the C-terminal domain in the *Drosophila* JIL-1 histone H3 kinase

Mark E. Barker  Ft. Scott, Kans.
B.S., University of Kansas;
M.S., Kettering University;
M.B.A., Drake University
Major: Mechanical Engineering
Dissertation: Predicting loads on ground engaging tillage tools using computational fluid dynamics

§ Research Excellence Award
†† Teaching Excellence Award
Gregory Scott Bennet  
Ames  
B.P.A., Embry-Riddle Aeronautical University;  
M.B.A., Iowa State University;  
M.A., Ibid.  
Department: Agricultural and Biosystems Engineering  
Major: Sustainable Agriculture  
Dissertation: Identity preservation & traceability: the state of the art - from a grain perspective (status of agricultural quality systems / traceability / certification systems)

Romeu Luiz de Castro Bessa  
Belo Horizonte, Brazil  
B.F.A., Universidade Federal de Minas Gerais;  
M.A., Illinois State University;  
M.F.A., University of Illinois at Urbana-Champaign  
Department: Architecture  
Major: Human Computer Interaction  
Dissertation: Situating digital tools through ubiquitous virtuality: Confluences of art, architecture, and activity in HCI

§††Markie Louise Christianson Blumer  
Anchorage, Alaska  
B.S., Northern Arizona University;  
M.Ed., Ibid.;  
M.A., University of Louisiana - Monroe  
Department: Human Development and Family Studies  
Major: Human Development and Family Studies (Marriage and Family Therapy)  
Dissertation: Gay men’s experiences of Alaskan society in their coupled relationships

Sangwon Cha  
Seoul, South Korea  
B.Sc., Seoul National University;  
M.Sc., Ibid.  
Department: Chemistry  
Major: Analytical Chemistry  
Dissertation: Laser desorption/ionization mass spectrometry for direct profiling and imaging of small molecules from raw biological materials

Changhoon Choi  
Sokcho, South Korea  
B.Sc., Inha University;  
M.Eng., Ibid.  
Department: Chemical and Biological Engineering  
Major: Chemical Engineering  
Dissertation: Kinetic study of copper chemistry in chemical mechanical polishing (CMP) by an in-situ real time measurement technique

§ Michelle Cirillo  
Warwick, N.Y.  
B.S., State University of New York – Plattsburgh;  
M.A.T., Northern Arizona University  
Department: Curriculum and Instruction  
Major: Education  
Dissertation: On becoming a geometry teacher: A longitudinal case study of one teacher learning to teach proof

Tami Jo Cline  
Alexandria, Va.  
B.S., Colorado State University;  
M.S., Boston University  
Major: Foodservice and Lodging Management  
Dissertation: Purchasing practices, barriers, and industry support in Child Nutrition Programs needed to meet wellness policy requirements

Helen Marie Colvin  
Keokuk  
B.S., Iowa State University;  
M.B.A., Ibid.  
Department: Logistics, Operations and Management Information Systems  
Major: Human Computer Interaction  
Dissertation: The acceptance of domestic technology: TAM as applied to a proposed classification scheme

†† Steven Michael Corns  
Fort Madison  
B.S., Iowa State University;  
M.S., Ibid.  
Major: Mechanical Engineering  
Dissertation: The role of information flow in engineering optimization

Greg Davis  
Newton  
B.S., Iowa State University;  
M.S., Ibid.  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Leadership)  
Dissertation: The development and field test of the Education Technology Leadership Assessment survey

Thanda Dhliwayo  
Harare, Zimbabwe  
B.Sc.Ag., University of Zimbabwe;  
M.Phil., Ibid.  
Department: Agronomy  
Major: Plant Breeding  
Dissertation: Genetic mapping and analysis of traits related to improvement of popcorn
Ana Paula da Silva Dias  
Rio de Janeiro, Brazil
Ag. Eng., University of Vicoso;
M.S., Ibid.
Major: Plant Pathology
Dissertation: Epidemiological studies of shading effects on Asian soybean rust

†† Jennifer A. Diers  
Breda
B.A., University of Northern Iowa;
M.Ed., University of North Carolina at Charlotte
Major: Human Development and Family Studies
Dissertation: Faculty and student experiences with clickers: A qualitative exploration of engaging students in higher-level thinking

Geng Ding  
Beijing, China
B.S., Peking University
Department: Biochemistry, Biophysics, and Molecular Biology
Major: Molecular, Cellular and Developmental Biology
Dissertation: Molecular, genetic, physiological and biochemical studies of 3-methylcrotonyl-CoA carboxylase and biotin carboxyl carrier protein-like proteins in Arabidopsis thaliana

Bernice Adabasu Dodor  
Whuti-Anloga, Ghana
B.Sc., University of Ghana;
M.S., Iowa State University
Department: Family and Consumer Sciences Education and Studies
Major: Family and Consumer Sciences Education
Dissertation: The effects of individual attributes, health behaviors, and religion on adolescent obesity: A study of African American and Caucasian adolescents

Pamela Ann Duffy  
Humboldt
B.S., Iowa State University;
B.S., University of Pennsylvania;
M.Educ., Iowa State University
Department: Curriculum and Instruction
Major: Education
Dissertation: Holes in the health care safety net: An ethnographic study of a free medical clinic

Islam Hassan El-adaway  
Cairo, Egypt
B.S., American University in Cairo;
M.S., Ibid.
Department: Civil, Construction and Environmental Engineering
Major: Civil Engineering (Construction Engineering and Management)
Dissertation: Construction dispute mitigation through multi-agent based simulation and risk management modeling

§ Michael Todd Frederick  
Colorado Springs, Colo.
B.S., Iowa State University;
M.S., Ibid.
Department: Electrical and Computer Engineering
Major: Computer Engineering
Dissertation: Beyond the arithmetic constraint: depth-optimal mapping of logic chains in reconfigurable fabrics

Philip Walter Gassman  
Ames
B.S., Iowa State University;
M.S., Ibid.
Department: Agricultural and Biosystems Engineering
Major: Environmental Science
Dissertation: A simulation assessment of the Boone River watershed: baseline calibration/validation results and issues, and future research needs

Nathaniel Daum Ginder  
Ames
B.S., Iowa State University;
B.A., Ibid.
Department: Biochemistry, Biophysics, and Molecular Biology
Major: Biochemistry
Dissertation: The structure and mechanism of SAICAR synthetase

†† Supratim Giri  
Kolkata, India
B.Sc., University of Calcutta;
M.Sc., Indian Institute of Technology - Kanpur
Major: Chemistry
Dissertation: Mesoporous silica nanoparticles and magnetic nanoparticles based stimuli-responsive controlled-release delivery systems
Angela Renee Green  Greenville, Ky.  
B.S., University of Kentucky;  
M.S., Ibid.  
Department: Agricultural and Biosystems Engineering  
Major: Agricultural Engineering  
(Agricultural Structures and Environmental Systems)  
Dissertation: A systematic evaluation of laying hen housing for improved hen welfare

Lucia Gutierrez  Montevideo, Uruguay  
Ing.Ag., Universidad de la Republica  
Department: Agronomy  
Majors: Plant Breeding and Ecology and Evolutionary Biology  
Dissertation: Genetic diversity in cultivated and wild Hordeum species

Matthew Alan Halverson  Des Moines  
B.S., Iowa State University  
Major: Mathematics  
Dissertation: Asymptotic behavior of the solutions to a family of PDE’s arising from the chemotaxis equations of Keller and Segal

Joseph R. Hanson  Carlisle  
B.A., University of Northern Iowa;  
M.B.A., University of Nebraska - Omaha  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Leadership)  
Dissertation: Application-based learning: How community college business students learn to apply knowledge to their professional employment

†† Renee Joy Hein  Wichita, Kans.  
B.S., Newman University  
Department: Chemistry  
Major: Analytical Chemistry  
Dissertation: LC-MS analysis of related peptides and anions in the positive mode

Keri L. Henderson  Grinnell  
B.A., Wartburg College;  
M.S., Iowa State University  
Department: Entomology  
Major: Toxicology  
Dissertation: Impact of veterinary antibiotics in the environment

Joseph Ralph Hermann  Waukee  
B.S., Iowa State University;  
M.S., Ibid.  
Department: Veterinary Microbiology and Preventive Medicine  
Major: Veterinary Microbiology  
Dissertation: Quantitative studies on airborne transmission of porcine reproductive and respiratory syndrome virus

Suckwon Hong  Seoul, South Korea  
B.Eng., Hankuk Aviation University;  
Major: Materials Science and Engineering  
Dissertation: Evaporation induced self-assembly of ordered structures from a capillary-held solution

Jennifer Catherine Huckett  Los Alamos, N. Mex.  
B.S., New Mexico Institute of Mines and Technology;  
M.S., Iowa State University  
Major: Statistics  
Dissertation: Synthetic data methods for disclosure limitation

LaRon Maurice Hughes  Arkadelphia, Ark.  
B.S., Arkansas State University;  
M.S., Iowa State University  
Department: Animal Science  
Major: Bioinformatics and Computational Biology  
Dissertation: Hypothesis building using the Animal Trait Ontology

Rinat Ibrayev  Oskemen, Kazakhstan  
B.S., University of Nebraska - Lincoln;  
M.S., Iowa State University  
Major: Computer Science  
Dissertation: Model-based recognition of curves and surfaces using tactile data

Jacquelyn Renée Jackson  Tuskegee, Ala.  
B.S., Tuskegee University;  
M.S., Ibid.  
Department: Plant Pathology  
Major: Genetics  
Dissertation: Characterization of barley yellow dwarf virus subgenomic RNAs

§ John Tristan Kevern  Milton, Wis.  
B.S., University of Wisconsin – Platteville;  
M.S., Iowa State University  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Civil Engineering Materials)  
Dissertation: Advancements in pervious concrete technology

§ Research Excellence Award  
†† Teaching Excellence Award
Michael Francis Lawrence  
*St. Louis, Mo.*  
B.S., University of Missouri - Columbia  
Department: Statistics  
Major: Bioinformatics and Computational Biology  
Dissertation: Interactive graphics, graphical user interfaces and software interfaces for the analysis of biological experimental data and networks

†† Carl Stephen Lebsack  
*Laramie, Wyo.*  
Department: Electrical and Computer Engineering  
Major: Computer Engineering  
Dissertation: Performance analysis and optimization of the Java memory system

Jun-Youl Lee  
*Yongin, South Korea*  
B.S., Korea University; M.E., *Ibid.*; M.S., Iowa State University  
Department: Industrial and Manufacturing Systems Engineering  
Major: Industrial Engineering  
Dissertation: A new approach of top-down induction of decision trees for knowledge discovery

Seung Suk Lee  
*Seoul, South Korea*  
B.S., Oklahoma State University; M.S., *Ibid.*  
Department: Foodservice and Lodging Management  
Major: Foodservice and Lodging Management  
Dissertation: Relationships among leadership empowerment, job satisfaction and employee loyalty in university dining student workers

Ling Li  
*Zhangjiakou, China*  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Environmental Engineering)  
Dissertation: Production of a new wastewater treatment coagulant from fly ash with concomitant So₂ removal from flue gas

Chih-Chen Liu  
*Taipei, Taiwan*  
Major: Economics  
Dissertation: Three essays on contingent valuation method

Zhiping Liu  
*Huichang, China*  
B.Sc., Nanchang University; M.Sc., East Chinese Normal University  
Department: Veterinary Microbiology and Preventive Medicine  
Major: Immunobiology  
Dissertation: Differential mucosal gene expression modulates the development of murine colitis

Stephanie D. Loveland  
*Ames*  
Department: Chemical and Biological Engineering  
Major: Chemical Engineering  
Dissertation: Advancing block-oriented modeling in process control

Gang Lu  
*Hanzhong, China*  
B.E., Zhejiang University; M.E., Nanyang Technological University; M.S., Iowa State University  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Civil Engineering Materials)  
Dissertation: Rheological studies on the flow behavior of two-phase solid-liquid materials

Patience Lamunu Opiyo Lueth  
*Gulu, Uganda*  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Leadership)  
Dissertation: The architectural design studio as a learning environment: A qualitative exploration of architecture design student learning experiences in design studios from first- through fourth-year

§ Feng Mao  
*Jiangshan, China*  
B.E., Xian University of Architecture and Technology; M.E., Central Research Institute; M.S., University of Connecticut  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Environmental Engineering)  
Dissertation: Permeation of hydrocarbons through polyvinyl chloride (PVC) and polyethylene (PE) pipes and pipe gaskets

§ Research Excellence Award  
†† Teaching Excellence Award
†† Brian Daniel Matheis  
Lynden, Wash.
B.S., Iowa State University;  
M.S., Ibid.  
Major: Aerospace Engineering  
Dissertation: Numerical investigation of roughness effects in aircraft icing calculations

§ Douglas Stinson McCorkle  
Winchester, Va.
B.S., University of Nebraska – Lincoln;  
M.S., Iowa State University  
Major: Mechanical Engineering  
Dissertation: Establishing an advanced engineering framework for engineering decision making

Sandra L. McGee  
Des Moines
B.S., Upper Iowa University;  
M.S.W., University of Iowa  
Department: Family and Consumer Sciences Education and Studies  
Major: Family and Consumer Sciences Education  
Dissertation: Their voices emerged: A grounded theory of learning resilience among African American women in the formal education environment

DeAnn Valorie Miller  
Underwood, N. Dak.
B.S., North Dakota State University;  
M.S., Ibid.  
Department: Family and Consumer Sciences Education and Studies  
Major: Family and Consumer Sciences Education  
Dissertation: Queenbees and wannabees: The struggle for power through bullying in adolescent girls

§ Benny Edd Mote  
Happy, Tex.
B.S., University of Nebraska - Lincoln  
Department: Animal Science  
Major: Genetics  
Dissertation: The use of genetic markers to improve sow productive life and genetic abnormalities

Nancy Lee Conzett Muecke  
Dubuque
B.A., University of Northern Iowa;  
M.A., Ibid.  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Leadership)  
Dissertation: Pre- and post-admission criteria as predictors of academic success in an associate degree nursing program

§†† Prasun Mukherjee  
Kolkata, India
B.Sc., University of North Bengal;  
M.Sc., Indian Institute of Technology - Bombay  
Department: Chemistry  
Major: Physical Chemistry  
Dissertation: Ultrafast fluorescence spectroscopy used as a probe to explore excited state photophysics of biologically and environmentally relevant systems

§§ Sonmez Pamuk  
Erzurum, Turkey
Dipl., T.C. Gazi University;  
M.S., Iowa State University  
Department: Curriculum and Instruction  
Major: Education (Curriculum and Instructional Technology)  
Dissertation: Faculty technology mentoring: How graduate student mentors benefit from technology mentoring relationship

Judith Patch Pauley  
Indianola
B.F.A., Manhattanville College;  
M.A., University of North Carolina – Chapel Hill  
Department: Curriculum and Instruction  
Major: Education  
Dissertation: A qualitative study of the ways middle school teachers made meaning of a professional development program on cultural competency

Hua Pei  
Hefei, China
B.S., University of Science and Technology – China;  
Department: Physics and Astronomy  
Major: Nuclear Physics  
Dissertation: A study of jet energy loss in heavy-ion collisions at PHENIX-RHIC, via 2-particle and "2+1" correlations, and future upgrade
Nguyen Quang Phan  Los Banos, Philippines
B.S., University of the Philippines
Department: Genetics, Development and Cell Biology
Major: Genetics
Dissertation: Functional characterization of Arabidopsis sorting nexin AtSNX2b

† † Valentin Daniel Picasso  Montevideo, Uruguay
Ing.Ag., University of the Republic
Department: Agronomy
Major: Sustainable Agriculture
Dissertation: Diversity, productivity, and stability in perennial polycultures used for grain, forage, and biomass production

§††Benjamin Douglas Prince  Bolingbrook, Ill.
B.S., Illinois College
Department: Chemistry
Major: Physical Chemistry
Dissertation: Development and application of a hybrid femtosecond/picosecond coherent Raman probe designed for study of excited state systems

§ Mohammad Ataur Rahman  Dhaka, Bangladesh
B.Eng., Bangladesh University;
M.E.Sc., University of Western Ontario
Department: Civil, Construction and Environmental Engineering
Major: Civil Engineering (Structural Engineering)
Dissertation: Performance-based seismic analysis and design improvements of two precast concrete structural systems

Susan Jane Woody Rhoades  Ankeny
B.A., University of Northern Iowa;
M.S., Drake University
Department: Educational Leadership and Policy Studies
Major: Education (Educational Leadership)
Dissertation: An exploration of perceptions of Associate of Science in Nursing students related to transcultural nursing experiences

Amarjyoti Sandhu  Burlington
B.Sc. Punjab Agricultural University;
M.Sc., Ibid.
Department: Plant Pathology
Major: Microbiology
Dissertation: Phyllosphere-mediated bacterial degradation of airborne phenol

§ Curtis Wilmer Scherder  New Hartford, Mo.
B.S., University of Missouri – Columbia;
M.S., Iowa State University
Department: Agronomy
Major: Plant Breeding
Dissertation: Agronomic performance, seed characteristics, and stability of soybean lines containing mid oleate content and molecular analysis for diversity in the FAD2-1B gene

Joel Dean Schmidt  Jackson, Wis.
M.S., University of Wisconsin – La Crosse
Department: Biochemistry, Biophysics, and Molecular Biology
Major: Biochemistry
Dissertation: Functional analysis of paralogous genes in acetyl coenzyme A metabolism

Gregory R. Schmitz  New Hartford
B.A., Wartburg College;
M.Ed., Iowa State University
Department: Educational Leadership and Policy Studies
Major: Education (Educational Leadership)
Dissertation: Leadership preparation and career pathways of community college presidents

Darby Thompson Sewell  Moultrie, Ga.
B.S., University of Georgia;
M.Ed., Ibid.
Department: Family and Consumer Sciences Education and Studies
Major: Family and Consumer Sciences Education
Dissertation: Passion: A narrative journey to family and consumer sciences education

Weiwei Shu  Yongkang, China
B.S., University of Science and Technology of China;
M.Eng., Ibid.
Department: Electrical and Computer Engineering
Major: Electrical Engineering
Dissertation: Electromagnetic waves in double negative metamaterials and study on numerical resonances in the method of moments (MoM)

Adrian Silvescu  Bucharest, Romania
Dipl., University of Bucharest;
M.Sc., Ibid.
Major: Computer Science
Dissertation: Structural induction: towards automatic ontology elicitation

§  Research Excellence Award
† †  Teaching Excellence Award
Igor Ivan Slowing  
Guatemala City, Guatemala  
Licenc., San Carlos University  
Department: Chemistry  
Major: Organic Chemistry  
Dissertation: Mesoporous silica nanoparticles as vehicles for intracellular trafficking and controlled release

Jodi D. Smith  
Ames  
B.S., South Dakota State University;  
D.V.M., Iowa State University  
Department: Biomedical Sciences  
Major: Veterinary Anatomy  
Dissertation: The effects of abnormal prion protein accumulation on retinal morphology and function in sheep and cattle

§ Kun Song  
Nanchang, China  
B.S., Dong Huo University;  
M.S., Ibid.  
Department: Apparel, Educational Studies and Hospitality Management  
Major: Textiles and Clothing  
Dissertation: The influence of Chinese cultural values on consumer perceptions and behavioral intention towards an apparel mass customization website

Mary Clay Stensvold  
Sitka, Alaska  
B.A., Central Washington University;  
M.S., Ibid.  
Department: Ecology, Evolution and Organismal Biology  
Major: Botany  
Dissertation: A taxonomic and phylogeographic study of the Botrychium lunaria complex

Lisa Anne Hermann Stock  
Urbandale  
B.S., Iowa State University;  
B.A., University of Iowa  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Leadership)  
Dissertation: Exploring the development of information literacy concepts among community college students

Erin Linn Strait  
Mitchell, S. Dak.  
B.S., Buena Vista University;  
D.V.M., Iowa State University  
Department: Veterinary Microbiology and Preventive Medicine  
Major: Immunobiology  
Dissertation: Effect of genetic and proteomic variation in field isolates of Mycoplasma hyopneumoniae on virulence, diagnosis and prevention of disease in the pig

Alethea F. Stubbe  
George  
B.A., Northwestern University;  
M.B.A., University of South Dakota - Vermillion  
Department: Educational Leadership and Policy Studies  
Major: Education (Educational Leadership)  
Dissertation: The community college presidency in the new millennium: Gender differences in leadership preparation

§ Nicholas William Suen  
St. Paul, Minn.  
B.S., University of Minnesota – Twin Cities;  
B.Ch.E., Ibid.  
Department: Chemical and Biological Engineering  
Major: Chemical Engineering  
Dissertation: Molecular dynamics simulations of amphiphilic dendrimers

Daniel R. Sundblad  
Des Moines  
B.A., Bethel College;  
M.S., Iowa State University  
Department: Sociology  
Major: Sociology  
Dissertation: Community well-being, individual responsibility, and agricultural change: an analysis of Iowa communities

Joshua McDowell Thomas  
Arlington Heights, Ill.  
B.A., Northwestern College;  
M.S., Iowa State University  
Department: Kinesiology  
Major: Kinesiology (Biological Basis of Physical Activity)  
Dissertation: Factors affecting lower extremity loading during running

Chad William Timm  
Des Moines  
B.A., Simpson College;  
M.A., Iowa State University  
Department: Curriculum and Instruction  
Major: Education  
Dissertation: Circles of support: Towards a liberatory pedagogy for community education

Maria del Pilar Torres González  
Ponce, Puerto Rico  
B.S., University of Puerto Rico  
Department: Chemical and Biological Engineering  
Major: Chemical Engineering  
Dissertation: Novel amphiphilic polyanhydrides for vaccine delivery

§ Research Excellence Award  
† † Teaching Excellence Award
Aditya Choudary Velivelli  
*Hyderabad, India*

B.Eng., Osmania University;  
M.S., University of Missouri - Rolla  
**Major:** Mechanical Engineering  
**Dissertation:** Development of a multiblock solver utilizing the lattice Boltzmann and traditional finite difference methods for fluid flow problems

Guoqing Wang  
*Hengyang, China*

B.Eng., Nanjing University;  
M.Eng., Nanjing University of Aerospace and Astronautics  
**Major:** Aerospace Engineering  
**Dissertation:** Thin water films driven by air through surface roughness

Shih-Yu Wang  
*Cheng-Kong, Taiwan*

B.Sc., National Central University;  
M.Sc., *Ibid.*;  
M.S., Iowa State University  
**Department:** Geological and Atmospheric Sciences  
**Major:** Meteorology  
**Dissertation:** Influences of midtropospheric perturbations on summer convective storms over the United States northern plains

Xing Wang  
*Beijing, China*

B.Sc., Peking University;  
M.Sc., Peking University Medical College  
**Department:** Biochemistry, Biophysics, and Molecular Biology  
**Major:** Biochemistry  
**Dissertation:** The locations and signaling of H-Ras on endosomes and plasma membrane

Zhongming Wang  
*Tongxiang, China*

B.S., City University of Hong Kong  
**Department:** Mathematics  
**Major:** Applied Mathematics  
**Dissertation:** Development of level set methods for computing the semiclassical limit of Schrödinger equations with potentials

Hadley Alexander Wickham  
*Auckland, New Zealand*

B.H.B., University of Auckland;  
**Major:** Statistics  
**Dissertation:** Practical tools for exploring data and models

Emilie Susanna Noel Zehr  
*Bondurant*

B.A., Wartburg College;  
M.A., Southern Illinois University  
**Department:** Biochemistry, Biophysics, and Molecular Biology  
**Major:** Immunobiology  
**Dissertation:** Relatedness of *Haemophilus parasuis* strains and their proteins' possible roles as virulence factors

Li Zhang  
*Pucheng, China*

B.Econ., Wuhan University;  
**Major:** Economics  
**Dissertation:** Three essays on agricultural risk and insurance

Li Zhang  
*China*

B.Eng., Tsinghua University;  
M.S., University of Iowa  
**Major:** Mechanical Engineering  
**Dissertation:** Experimental and simulation study of demand controlled ventilation

Shu Zhang  
*Xinjin, China*

B.Eng., Dalian Institute of Light Industry;  
M.S., Iowa State University  
**Department:** Biochemistry, Biophysics, and Molecular Biology  
**Major:** Biochemistry  
**Dissertation:** Genetic regulation of the healthfulness of beef fatty acid composition

Shengqiang Zhong  
*Guangzhou, China*

B.Sc., Zhongshan University;  
**Department:** Agronomy  
**Major:** Genetics  
**Dissertation:** Integrating QTL analysis into plant breeding practice using Bayesian statistics

Deborah Zorn  
*Lincoln, Neb.*

B.A., Buena Vista University  
**Department:** Chemistry  
**Major:** Physical Chemistry  
**Dissertation:** Modeling ionic liquids, diffusion on surfaces and catalysis: A graduate student looks high and low
MASTER OF ACCOUNTING

Sarah Carroll Best  
B.S., Iowa State University  
Major: Accounting

Kelley Ryan Bloom  
B.A., University of Kansas - Lawrence  
Major: Accounting

Nicole Renee Bogler  
B.S., Iowa State University  
Major: Accounting

Hsin-Han Chen  
B.S., Iowa State University  
Major: Accounting

Tanner James Eubank  
B.S., Iowa State University  
Major: Accounting

Kristina Marie Gronborg  
B.S., Iowa State University  
Major: Accounting

Ross David Kelderman  
B.S., Iowa State University  
Major: Accounting

Abby Nanette Reinert  
B.S., Iowa State University  
Major: Accounting

David Kibet Rotich  
B.A., Iowa State University  
Major: Accounting

Mansi Y. Shah  
B.Com., Gujarat University;  
P.G.D., Som-Lalit Institute of Management  
Studies;  
M.Com., Gujarat University  
Major: Accounting

Dongyan Wang  
B.A., China Agricultural University;  
M.Sc., Ibid.  
Major: Accounting

Kelsey Jean Whiley  
B.S., Iowa State University  
Major: Accounting

MASTER OF AGRICULTURE

Jeff Franklin Eurek  
Loup City, Neb.  
B.S., University of Nebraska at Kearney  
Major: Professional Agriculture

Francine Ilene Ide  
Shannon City  
B.S., Northwest Missouri State University  
Major: Professional Agriculture

Aviva Meriam O’Neil  
Springdale, Utah  
B.A., University of California  
Major: Professional Agriculture

Lisa Ann Smiley  
Cannon Falls, Minn.  
B.S., University of Minnesota - Minneapolis  
Major: Professional Agriculture

MASTER OF ARCHITECTURE

Mohammad Bassam  
Los Angeles, Calif.  
B.Sc., University of Shahid  
Major: Architecture

Steven Bates Drake  
Ames  
B.A., University of Chicago;  
M.B.A. Ibid.  
Major: Architecture

BJ Dietz Epstein  
Des Moines  
B.A., University of Redlands  
Major: Architecture

Andrew James Fett  
Grand Island, Neb.  
B.A., Augustana College  
Major: Architecture

Gregory Robert Freeman  
Circle Pines, Minn.  
B.S., University of Minnesota - Minneapolis  
Major: Architecture

Danielle Christa Hermann  
Waukee  
B.Arch., Iowa State University  
Major: Architecture  
Thesis: Big women
Nguyen Thai Hoang  Minneapolis, Minn.
B.S., University of Minnesota – Minneapolis;
B.S., Ibid.
Major: Architecture

Lucas Clifford Tidwell  Clinton, Miss.
B.A., Belmont University
Major: Architecture

Ryan Stewart Larson  Clive
B.A., Colorado College
Major: Architecture

Abbey Renee Williams  Villisca
B.A., Morningside College
Major: Architecture

Stefanie Maria Opitz  Gurnee, Ill.
B.S., University of Connecticut
Major: Architecture

Matthew L. Abbott  Forest City
B.S., Iowa State University
Department: English
Major: English (Literature)
Thesis: Healing the borders: Pueblo medicine and cultural hybrids in Frank Waters’ The Man Who Killed the Deer and Leslie Marmon Silko’s Ceremony

James Matthew Cheek  Nevada
B.S., Iowa State University
Major: History

† † Ryan Thomas Austin  Windsor Heights
B.S., Iowa State University;
M.A., Concordia University
Department: History
Major: History of Science and Technology

Jordan Keith Cook  Ames
B.S., Iowa State University
Major: History

Stefanie Maria Opitz  Gurnee, Ill.
B.S., University of Connecticut
Major: Architecture

Abbey Renee Williams  Villisca
B.A., Morningside College
Major: Architecture

† † Ryan Thomas Austin  Windsor Heights
B.S., Iowa State University;
M.A., Concordia University
Department: History
Major: History of Science and Technology

Luke Thomas Bergeron  Greene, Maine
B.A., Iowa State University
Department: English
Major: English (Creative Writing)
Thesis: Disappearances

James Matthew Cheek  Nevada
B.S., Iowa State University
Major: History

Rebekah S. Bovenmyer  New London
B.A., Iowa State University
Department: English
Major: English (Creative Writing)
Thesis: The Straight and Narrow: a novella

Jordan Keith Cook  Ames
B.S., Iowa State University
Major: History

Brian Douglas Burmeister  De Witt
B.A., Ashford University
Department: English
Major: English (Creative Writing)
Thesis: Good seeing you: a collection of short stories

Taylor Renee Gerling  Mediapolis
B.A., University of Northern Iowa
Department: English
Major: Rhetoric, Composition, and Professional Communication

Joseph Kelso Dodson  Nevada
B.A., Grandview College
Major: History

Victor Bovdmyer  New London
B.A., Iowa State University
Department: English
Major: English (Creative Writing)
Thesis: The Straight and Narrow: a novella

Taylor Renee Gerling  Mediapolis
B.A., University of Northern Iowa
Department: English
Major: Rhetoric, Composition, and Professional Communication

Lauren Elizabeth Cerretti  Dracut, Mass.
B.A., University of Massachusetts – Lowell
Department: English
Major: English (Literature)
Thesis: Connecting to Cuban national identity through literature: an examination of memory, nostalgia, trauma and exile in Oscar Hijuelos’s Our House in the Last World and A Simple Habana Melody

Leah Marie Graysmith  Okemos, Mich.
B.A., Iowa State University
Department: English
Major: English (Literature)
Thesis: Sex and gender in the equine in literature

Melissa Renee Hemann  West Des Moines
B.A., University of Iowa
Department: English
Major: English (Creative Writing)
Thesis: The West Dallas Gang: a screenplay

§ Research Excellence Award
† † Teaching Excellence Award
Andrew Richard Judge  
Melrose  
B.A., University of Northern Iowa  
Department: English  
Major: English (Creative Writing)  
Thesis: Alchemy in the atomic age

Marcy Deborah Leasum  
Mondovi, Wis.  
B.A., University of Wisconsin – Eau Claire  
Department: English  
Major: Rhetoric, Composition, and Professional Communication  
Thesis: “I hope to share my struggles, my successes, and everything in between”: a rhetorical study of health blogs

Kurt William Mackel-Wiederanders  
Des Moines  
B.A., Wartburg College  
Major: History

Londie Theresa Martin  
Austin, Tex.  
B.A., University of Texas at Austin  
Department: English  
Major: Rhetoric, Composition, and Professional Communication  
Thesis: Bringing ecompositional to a multimodal composition course: Critical literacy and place at work in English 250

Katherine Anne McNitt  
Charleston, Ill.  
B.A., University of Illinois – Urbana Champaign  
Major: Political Science  
Thesis: The effect of the Internet on the civic engagement and voting behavior of young Americans

Michael Howard McPherson  
Oskaloosa  
B.A., Azusa Pacific University  
Major: History

Natalie Louise Meyer  
Johnston  
B.S., Iowa State University  
Department: English  
Major: English (Literature)  
Thesis: A sentimental tale: Death and madness in The Bondwoman’s Narrative

Tessa Elizabeth Murphy  
Woodburn  
B.A., Simpson College  
Major: History

Stephen Andrew Resch  
Dubuque  
B.S., U.S. Military Academy;  
M.S., University of Missouri - Rolla  
Department: English  
Major: Rhetoric, Composition, and Professional Communication

Amanda Anne Schumacher  
Amery, Wis.  
B.A., Luther College  
Department: English  
Major: English (Creative Writing)  
Thesis: Not unacquainted with pain

Andrea Kay Tucker  
Broken Bow, Neb.  
B.A., University of Nebraska - Omaha  
Department: History  
Thesis: Juntos: Vivieron, trabajaron y aprendieron (Together: They lived, worked and learned) The history of Latinos in Valley Junction, Iowa

Laurel A. Tweed  
Boone  
B.A., Iowa State University  
Major: Interdisciplinary Graduate Studies  
Thesis: Care ethics and cloning: A speculative literary critique of human biotechnology

Christopher Halverson Untiet  
Spencer  
B.A., Wartburg College  
Majors: Political Science and History  
Thesis: Presidential leadership from Presidents Washington to Bush and beyond: assessing presidents within the cycled circumstances of institutional expectations

Kathleen Marie Wainwright  
Windsor Heights  
B.A., Boston College  
Department: English  
Major: English (Literature)

Alexandria Nicole Werner  
Wills Point, Tex.  
B.A., Benedictine College  
Department: English  
Major: English (Creative Writing)  
Thesis: The jar of light and gold

Margaret E. Werning  
Des Moines  
B.S., Iowa State University  
Department: English  
Major: English (Creative Writing)  
Thesis: Fearful symmetry
<table>
<thead>
<tr>
<th>Name</th>
<th>City</th>
<th>Education</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sammy G. Ayres Jr</td>
<td>West Des Moines</td>
<td>B.A., William Penn University, Major: Business Administration</td>
</tr>
<tr>
<td>Luke K. Bodeen</td>
<td>Mason City</td>
<td>B.S., Iowa State University, Major: Business Administration</td>
</tr>
<tr>
<td>Holly M. Boggess</td>
<td>Runnells</td>
<td>B.A., Iowa State University, Department: Business Administration, Major: Business Administration (Information Systems)</td>
</tr>
<tr>
<td>Amy Rae Brandau</td>
<td>Wellsburg</td>
<td>B.S., Iowa State University, Major: Business Administration</td>
</tr>
<tr>
<td>Michael Justin Conger</td>
<td>Ames</td>
<td>B.Mus., Wheaton College, Major: Business Administration</td>
</tr>
<tr>
<td>Autum Lindsey Davis</td>
<td>Urbandale</td>
<td>B.S., Iowa State University, Department: Business Administration, Major: Business Administration (Marketing)</td>
</tr>
<tr>
<td>Philip Chalkley Derr</td>
<td>Whiting</td>
<td>B.S., Iowa State University, Major: Business Administration</td>
</tr>
<tr>
<td>Ryan Matthew Eberly</td>
<td>Hampshire, Ill.</td>
<td>B.S., Iowa State University, Department: Business Administration, Major: Business Administration (Finance)</td>
</tr>
<tr>
<td>Matthew P. Faidley</td>
<td>Colfax</td>
<td>B.A., St. Cloud State University, M.S., Ibd., Major: Business Administration</td>
</tr>
<tr>
<td>Laura Marie Graham</td>
<td>Grinnell</td>
<td>B.A., Luther College, Major: Business Administration</td>
</tr>
<tr>
<td>Dustin Shane Gray</td>
<td>Prole</td>
<td>B.S., Iowa State University, Major: Business Administration</td>
</tr>
<tr>
<td>Jonathan Nicanor Greenlee</td>
<td>Davenport</td>
<td>B.S., Iowa State University, Major: Business Administration</td>
</tr>
<tr>
<td>Justin Timothy Gumm</td>
<td>Ankeny</td>
<td>B.S., Iowa State University, Department: Business Administration, Major: Business Administration (Supply Chain Management)</td>
</tr>
<tr>
<td>Wesley J. Hoffart</td>
<td>West Des Moines</td>
<td>B.S., South Dakota State University, Department: Business Administration, Major: Business Administration (Information Systems)</td>
</tr>
<tr>
<td>Ryan S. Howard</td>
<td>Waterloo</td>
<td>B.S., Iowa State University, Major: Business Administration</td>
</tr>
<tr>
<td>Weiyiing Hu</td>
<td>Shanghai, China</td>
<td>B.Econ., Fudan University, M.Mgmt., Ibd., Department: Business Administration, Major: Business Administration (Finance)</td>
</tr>
<tr>
<td>Hsiao Fang Huang</td>
<td>Taipei, Taiwan</td>
<td>B.B.A., Yuan Ze University, Department: Business Administration, Major: Business Administration (Supply Chain Management) (International Business)</td>
</tr>
<tr>
<td>Eric Douglas Kamm</td>
<td>Charles City</td>
<td>B.S., Iowa State University, Major: Business Administration</td>
</tr>
<tr>
<td>Joshua W. Klesel</td>
<td>Ames</td>
<td>B.S., Iowa State University, Major: Business Administration</td>
</tr>
<tr>
<td>Andrew Lawrence Larson</td>
<td>Pecatonica, Ill.</td>
<td>B.A., University of Notre Dame, B.S., Ibd., M.S., University of Illinois - Urbana Champaign, Department: Business Administration, Major: Business Administration (Agribusiness)</td>
</tr>
<tr>
<td>Kelly Marie McAllister</td>
<td>Muscatine</td>
<td>B.S., Iowa State University, Major: Business Administration</td>
</tr>
<tr>
<td>Ahu Meco</td>
<td>Ankara, Turkey</td>
<td>B.S., Bilkent University, Major: Business Administration</td>
</tr>
<tr>
<td>Erin Lynn Murtha</td>
<td>Des Moines</td>
<td>B.S., Iowa State University, Department: Business Administration, Major: Business Administration (Supply Chain Management) (Finance)</td>
</tr>
<tr>
<td>Jennifer Rose Nemmers</td>
<td>Clive</td>
<td>B.A., University of Northern Iowa, Major: Business Administration</td>
</tr>
</tbody>
</table>
Karol K. Nickell  
**Urbandale**  
B.A., Iowa State University  
Major: Business Administration  

Adam Tyler Nussbaum  
**Le Mars**  
B.S., Iowa State University  
Major: Business Administration  

Matthew Steven Olson  
**West Des Moines**  
B.A., University of Northern Iowa  
Major: Business Administration  

Daniar Moidunovich Osmanaliev  
**Bishkek, Kyrgyz Republic**  
Dipl, Kyrgyz Agricultural Institute;  
P.G.D., Maastricht School of Management;  
Dipl., Kyrgyz – Slavic University  
Department: Business Administration  
Major: Business Administration (Accounting)  

Brad D. Partee  
**Celina, Ohio**  
B.A., Miami University  
Department: Business Administration  
Major: Business Administration (Supply Chain Management)  

John Patrick Strawn  
**Ames**  
B.S., Iowa State University  
Department: Business Administration  
Major: Business Administration (Marketing)  

Sachin Padmakar Sulakhe  
**Barshi, India**  
B.Eng., University of Pune;  
M.S., Iowa State University  
Major: Business Administration  

Darrell Wade Thiner  
**Polk City**  
B.S., South Dakota State University  
Department: Business Administration  
Major: Business Administration (Marketing)  

Phyllis Marie Tinker  
**Ankeny**  
B.A., University of Northern Iowa  
Major: Business Administration  

Douglas D. Van Werden  
**Osceola**  
B.S., Iowa State University;  
B.S., *Ibid.;*  
Department: Business Administration  
Major: Business Administration (Finance)  
(Accounting) (Supply Chain Management)  

Joshua David Vogler  
**Des Moines**  
B.A., Central College  
Department: Business Administration  
Major: Business Administration (Marketing)  

Jun Liang Yaw  
**Johor Bahru, Malaysia**  
B.S., Iowa State University  
Department: Business Administration  
Major: Business Administration (Supply Chain Management)  

Sanjarbek R. Yunusov  
**Tashkent, Uzbekistan**  
B.S., Andizhan Institute of Engineering and Economy  
Department: Business Administration  
Major: Business Administration (Accounting)  
(Supply Chain Management)  

---  

**MASTER OF COMMUNITY AND REGIONAL PLANNING**  

Elizabeth Lorene Austin  
**Houston, Tex.**  
B.A., George Washington University;  
B.L.A., Iowa State University  
Major: Community and Regional Planning  

Casey James Muhm  
**Spirit Lake**  
B.A., Iowa State University  
Major: Community and Regional Planning  
Thesis: Exploring the relationship between income and property taxation at the municipal level  

Brad Robert Schmidt  
**Appleton, Wis.**  
B.S., University of Wisconsin - Oshkosh  
Major: Community and Regional Planning  
Thesis: An analysis of the creative economy in rural Midwestern communities
MASTER OF EDUCATION


Christopher J. Binns  Red Oak  B.A., Buena Vista University  Department: Educational Leadership and Policy Studies  Major: Education (Educational Administration)


Yen Ngoc Thuy Dao  Des Moines  B.S., Iowa State University  Department: Educational Leadership and Policy Studies  Major: Education (Higher Education)


Maura Flaschner  Coral Springs, Fla.  B.A., University of South Florida  Department: Educational Leadership and Policy Studies  Major: Education (Higher Education)


Amanda Noel Haubrich  Arcadia  B.S., Iowa State University  Department: Educational Leadership and Policy Studies  Major: Education (Higher Education)


Stephen Leo Humphrey  Farragut  B.S., Northwest Missouri State University  Department: Educational Leadership and Policy Studies  Major: Education (Educational Administration)


Amy Diane Branigan Kuhr  Harlan  B.S., Iowa State University  Department: Curriculum and Instruction  Major: Education (Curriculum and Instructional Technology)
Scott D. La Plante  
Racine, Wis.
B.S., University of Wisconsin - Whitewater
Department: Educational Leadership and Policy Studies
Major: Education (Educational Administration)

Haajira Asebi Lansana  
Denver, Colo.
B.A., Metropolitan State College of Denver
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)

Molly Marie Long  
Letts
B.A.S., Mount Mercy College
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)

Jenny L. Madsen  
Waukee
B.A., Buena Vista University
Department: Educational Leadership and Policy Studies
Major: Education (Educational Administration)

Gia Lyne Mason  
Chicago, Ill.
B.A., University of Iowa
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)

Rebecca S. McCathie  
St. Croix Falls, Wis.
B.S., University of Wisconsin – La Crosse
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Major: Education (Higher Education)

Samantha Egan McClain  
Fort Dodge
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Major: Education (Higher Education)

Rachael Rhey Mesner  
Rockwell
B.A., Waldorf College
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Major: Education (Higher Education)

Brenna Ilya Nelson  
Cedar Rapids
B.A., Wartburg College
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Major: Education (Higher Education)

Andrew Todd Pals  
Thornton
B.A., Simpson College
Department: Educational Leadership and Policy Studies
Major: Education (Educational Administration)

Lucinda Ann Peck  
Mt. Pleasant
B.A., Iowa Wesleyan College;
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)

Nathan Price Perrien  
Denison
B.A., Buena Vista University
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)

Nathan D. Pick  
Ankeny
B.S., Iowa State University
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)

Ashley Nicole Ransom  
Round Rock, Tex.
B.S., Texas Tech University
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)

Susan Lynn Rea  
Chariton
B.A., University of Northern Iowa
Department: Family and Consumer Sciences Education and Studies
Major: Family and Consumer Sciences Education

Katherine Edith Richter  
Boulder, Colo.
B.S., University Northern Colorado
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)

Lauralyn Riley  
Springville
B.A., Upper Iowa University
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)

Dave Lee Ross  
Hillsboro
B.A., Iowa Wesleyan College
Department: Educational Leadership and Policy Studies
Major: Education (Educational Administration)

§ Research Excellence Award
† † Teaching Excellence Award
Hiawatha Kenyatti Jabori Rutland  Bradenton, Fla.
B.S., Iowa State University
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)

Tim D. Scott  Cherokee
B.A., University of Northern Iowa
Department: Educational Leadership and Policy Studies
Major: Education (Educational Administration)

Angelia M. Shindelar  Greenfield
B.A., University of Northern Iowa; M.A., Ibid.
Department: Educational Leadership and Policy Studies
Major: Education (Educational Administration)

Noreen Margaret Siddiqui  Lombard, Ill.
B.J., University Missouri – Columbia; B.A., Ibid.
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)

Anna Lea Simoneau  Beloit, Kans.
B.S., Kansas State University
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)

Danae Marie Simonsen  Appleton, Wis.
B.A., University of Wisconsin - Madison
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)

Nicole Marie Stepleton  Des Moines
B.S., Iowa State University
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)

Mike R. Still  Mount Ayr
B.S., Northwest Missouri State University
Department: Educational Leadership and Policy Studies
Major: Education (Educational Administration)

Crystal Marie Thomsen  Marion
B.S., Iowa State University; B.A., Ibid.
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)

Tonya Sue Van Dam  Nevada
B.A., Northwestern College
Department: Curriculum and Instruction
Major: Education (Special Education)

Kathryn O. Wharton  Greenfield
B.A., Simpson College
Department: Educational Leadership and Policy Studies
Major: Education (Educational Administration)

Shane E. Wheeler  Van Meter
B.S., Iowa State University
Department: Educational Leadership and Policy Studies
Major: Education (Educational Administration)

Jill E. Wyckoff  Carlisle
B.A., Coe College
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)

Lori Rose Youngberg  Grundy Center
B.S., Iowa State University
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)

Cassie Sue Zehnder  Forest City
B.A., Buena Vista University
Department: Educational Leadership and Policy Studies
Major: Education (Educational Administration)

Nicholas R. Zika  Orr, Minn.
B.S., Bemidji State University
Department: Educational Leadership and Policy Studies
Major: Education (Higher Education)
MASTER OF ENGINEERING

Mark Lauritz Espeland  
Cedar Rapids  
B.S., Letourneau University  
Department: Industrial and Manufacturing Systems Engineering  
Major: Systems Engineering  

Gilbert M. Grant  
Cedar Rapids  
B.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Systems Engineering  

Alexander Kleiman  
Ames  
B.Sc., Ben-Gurion University of Negev  
Department: Industrial and Manufacturing Systems Engineering  
Major: Systems Engineering  

Jamie D. Kovalaske  
Pineville, N.C.  
B.S., Kettering University  
Department: Industrial and Manufacturing Systems Engineering  
Major: Systems Engineering  

Yi Li  
ChongQing, China  
B.E., Heilongicang Commercial College;  
M.E., Beijing University of Aeronautics and Astronautics  
Major: Aerospace Engineering  

Michael J. McWhirter  
Ellettsville, Ind.  
B.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Systems Engineering  

Matthew Preston Sutton  
Pineville, N.C.  
B.S., Virginia Polytechnic Institute and State University;  
B.S., Ibid  
Department: Industrial and Manufacturing Systems Engineering  
Major: Systems Engineering

MASTER OF FAMILY AND CONSUMER SCIENCES

Gregory S. Allori  
Enid, Okla.  
B.S., Portland State University  
Department: Human Development and Family Studies  
Major: Family and Consumer Sciences  
(Family Financial Planning)  

Kurt Alan Green  
Lake Villa, Ill.  
B.S., U.S. Air Force Academy;  
M.S.A., Georgia College  
Department: Family and Consumer Sciences  
Major: Family and Consumer Sciences  
(Family Financial Planning)  

Marni Ann Kellenberger  
St. Charles, Mo.  
B.S., Southwest Missouri State University  
Department: Human Development and Family Studies  
Major: Family and Consumer Sciences  
(Family Financial Planning)

MASTER OF FINE ARTS

Sohyun Kim Chung  
Seoul, South Korea  
B.F.A., Kyenghee University  
Department: Art and Design  
Major: Graphic Design  
Thesis: A recommendation for improving the sense of orientation by enhancing visual communication on wayfinding systems: A case study of Minneapolis skyway system  

Jonathan Matthew Kamrath  
St. Paul, Minn.  
B.A., Concordia College  
Department: Art and Design  
Major: Integrated Visual Arts  
Thesis: Family Tools

§ Research Excellence Award  
† † Teaching Excellence Award
Lindsey L. Aaron  
Norwalk
B.A., University of Northern Iowa
Department: Human Development and Family Studies
Major: Human Development and Family Studies (Marriage and Family Therapy)
Thesis: The influence of alcohol and drug use on one-night stands among adolescents

Brenda Papakee Ackerman  
Ames
B.S., Iowa State University
Department: Apparel, Educational Studies and Hospitality Management
Major: Textiles and Clothing
Thesis: The tradition of Meskwaki ribbonwork: cultural meanings, continuity, and change

Justin James Akers  
Kellerton
B.S., Iowa State University
Department: Agricultural Education and Studies
Major: Agricultural Education

Nancy Lynn Thompson  
Ames
B.F.A., Iowa State University
Department: Art and Design
Major: Integrated Visual Arts
Thesis: Ode to the Whiterock Conservancy

Juan Manuel Ruiz  
Cali, Colombia
Licen., Universidad Santiago de Cali
Department: Art and Design
Major: Graphic Design
Thesis: Effectiveness of values communication through cross-cultural corporate symbol design

Mohammed Abdelrahman Al Qady  
Cairo, Egypt
B.S., American University in Cairo
Department: Civil, Construction and Environmental Engineering
Major: Civil Engineering (Construction Engineering and Management)
Thesis: Concept relation extraction using natural language processing – the CRISP technique

Nergis Ani Anil-Bayrak  
Istanbul, Turkey
B.S., Instanbul Technical University; M.S., Ibid.
Department: Geological and Atmospheric Sciences
Major: Geology
Thesis: Fault slip velocities inferred from the spectra of ground motion

Elizabeth Lorene Austin  
Houston, Tex.
B.A., George Washington University; B.L.A., Iowa State University
Major: Landscape Architecture

Annette McCuen Hacker  
Pleasant Hill
B.A., Iowa State University
Department: Political Science
Major: Public Administration

Jimmy Jr. Morris II  
Dallas, Tex.
B.S., Iowa State University
Department: Political Science
Major: Public Administration

Casey James Muhm  
Spirit Lake
B.A., Iowa State University
Department: Political Science
Major: Public Administration
Thesis: Exploring the relationship between income and property taxation at the municipal level

Luis Fernando Aldana Marroquin  
Quetzaltenango, Guatemala
B.S., University of Francisco Marroquin
Department: Logistics, Operations and Management Information Systems
Major: Information Systems

Annette McCuen Hacker  
Pleasant Hill
B.A., Iowa State University
Department: Political Science
Major: Public Administration

Jimmy Jr. Morris II  
Dallas, Tex.
B.S., Iowa State University
Department: Political Science
Major: Public Administration

Casey James Muhm  
Spirit Lake
B.A., Iowa State University
Department: Political Science
Major: Public Administration
Thesis: Exploring the relationship between income and property taxation at the municipal level

Luis Fernando Aldana Marroquin  
Quetzaltenango, Guatemala
B.S., University of Francisco Marroquin
Department: Logistics, Operations and Management Information Systems
Major: Information Systems

Mohammed Abdelrahman Al Qady  
Cairo, Egypt
B.S., American University in Cairo
Department: Civil, Construction and Environmental Engineering
Major: Civil Engineering (Construction Engineering and Management)
Thesis: Concept relation extraction using natural language processing – the CRISP technique

Nergis Ani Anil-Bayrak  
Istanbul, Turkey
B.S., Instanbul Technical University; M.S., Ibid.
Department: Geological and Atmospheric Sciences
Major: Geology
Thesis: Fault slip velocities inferred from the spectra of ground motion

Research Excellence Award
Teaching Excellence Award
Sarah Fetter Anthoney  Manchester  
B.S., Iowa State University  
Major: Psychology  
Thesis: Person-environment and gender comparisons in the integration of interests, abilities, and skills

Denise R. Bacher  Mt. Vernon  
B.S., Iowa State University  
Department: Art and Design  
Major: Human Computer Interaction  
Thesis: Design patterns in level design: common practices in simulated environment construction

† Benjamin Allen Baird  Denver  
B.S., University of Northern Iowa  
Major: Chemistry

Diana Lynn Baltimore  Boone  
B.S., Iowa State University  
Major: Human Development and Family Studies  
Thesis: Understanding the concept of adoption: A qualitative analysis with adoptees and their parents

§ Andrea Ellen Barbknecht  Black River Falls, Wis.  
B.S., University of Wisconsin – River Falls  
Department: Natural Resources Ecology and Management  
Major: Wildlife Biology  
Thesis: Ecology of elk parturition across winter feeding opportunities in the brucellosis endemic area of Wyoming

Sarah Carpenter Barrow  Denver, Colo.  
B.A., Carleton College  
Major: Journalism and Mass Communication  
Thesis: The right of access, the right to hear, and the right to speak: Applying First Amendment theories to the network neutrality debate

Michael William Beckman  Urbandale  
B.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Thesis: The effects of low pressure helium ion bombardment on hydrogenated amorphous silicon

Angela Begosh  Selah, Wash.  
B.S., University of Kentucky  
Major: Agronomy

Emily J. Berg  Milwaukee, Wis.  
B.A., Middlebury College  
Major: Statistics

Amber Joy Bergman  Mason City  
B.A., University of Northern Iowa  
Major: Human Development and Family Studies  
Thesis: Dyadic spousal experiences of Alzheimer’s disease: Marital satisfaction, caregiver burden, and coping

Michelle A. Bernholtz  Carroll  
B.A., Briar Cliff College  
Major: Industrial Relations

Dominik Quirin Birkmeier  Kottgeisering, Germany  
Vordipl., University of Augsburg  
Major: Statistics

Nicholas Neal Boersma  Hospers  
B.A., Northwestern College  
Department: Horticulture  
Major: Plant Physiology  
Thesis: Natural weed controls: Potential of the invasive shrub *Rhamnus cathartica* and improvement of corn gluten meal

Todd Andrew Bonsall  Annville, Pa.  
B.S., Juniata College  
Department: Geological and Atmospheric Sciences  
Major: Geology  
Thesis: The geochemistry of carbonate-hosted Pb-Zn-Ag mineralization in the Lavrion District, Attica, Greece: fluid inclusion, stable isotope, and rare earth element studies

Lisa K. Brinkley  Ames  
B.A., Mount St. Clare  
Department: Educational Leadership and Policy Studies  
Major: Education (Higher Education)

Eric Adam Brown  Cedar Rapids  
B.A., University of Iowa  
Major: Foodservice and Lodging Management  
Thesis: Dimensions of transformational leadership and relationship with employee performance in hotel front desk staff

Sarah Louise Carlson  Shabbona, Ill.  
B.A., Augustana College  
Department: Agronomy  
Major: Crop Production and Physiology and Sustainable Agriculture  
Thesis: An integrated approach to investigating the reintroduction of flax production in Iowa

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§ Research Excellence Award  
† † Teaching Excellence Award  
‡ Degree Conferred Posthumously
Jason Harmon Chandler  
_B.S., University of Florida - Gainesville_
Major: Agronomy

Ko-Jung Chen  
_Taipei, Taiwan_
B.A., Ming Chuan University
Major: Journalism and Mass Communication
Thesis: Why Taiwanese students use Instant Messaging: A uses and gratifications approach

Madhuresh Kumar Choudhary  
_Faridabad, India_
B.Tech., Indian Institute of Technology – Madras
Department: Chemical and Biological Engineering
Major: Chemical Engineering
Thesis: Metabolic engineering of _Escherichia coli_ for the efficient utilization of plant sugar mixture

Evan Gary Christianson  
_Hutchinson, Minn._
B.A., Gustavus Adolphus College
Department: Geological and Atmospheric Sciences
Majors: Geology and Environmental Science
Thesis: A hydrogeologic investigation of Ada Hayden Lake in Ames, Iowa

Bun Hiong Chua  
_Semporna, Malaysia_
B.S., Iowa State University
Major: Mechanical Engineering
Thesis: Investigation into the stress assisted damage of copper surface under single asperity: influence of contact pressures, surfaces stress states and environments

Gregory John Colson  
_Vienna, Va._
B.A., University of Virginia
Major: Economics
Thesis: Alternative approaches for sharing machinery, labor, and other resources among small- and medium-sized agricultural producers

Drew John Cookman  
_Mason City_
B.S., Iowa State University
Department: Chemical and Biological Engineering
Major: Chemical Engineering
Thesis: Protein extraction from distiller's grain

Avril Adriannne Bina De Guzman  
_Naawan, Philippines_
B.Sc., University of the Philippines
Major: Journalism and Mass Communication
Thesis: Greenpeace cyberadvocacy: message strategies and the framing of the "say no to genetic engineering" campaign

Thomas Nishantha Denagamage  
_Peradeniya, Sri Lanka_
B.V.S., University of Peradeniya
Department: Veterinary Diagnostic and Production Animal Medicine
Major: Veterinary Preventive Medicine
Thesis: Application of evidence-based medicine to veterinary science and food safety

Aditya Vasudev Dhanaanjay  
_Bangalore, India_
B.Eng., Visveswararaih Technological University
Major: Computer Science
Thesis: Load estimation in IEEE 802.11 wireless networks

Mark James Dostal  
_Coralville_
B.S., University of Wisconsin – River Falls
Major: Agronomy

Douglas A. Doty  
_Sidney_
B.S., Iowa State University
Major: Agronomy

Jesse Duane Drew  
_Cedar Rapids_
B.S., Iowa State University
Department: Curriculum and Instruction
Major: Education (Curriculum and Instructional Technology)
Thesis: The study of the impact of the M.S. in Agronomy Distance Education Program on student careers

Katherine A. Edwards  
_Fountain Hills, Ariz._
B.S., Iowa State University
Department: Agricultural and Biosystems Engineering
Majors: Agricultural Engineering and Biorenewable Resources and Technology
Thesis: Nutrient recycling in biofuel production systems: biomass ash pelleting, ethanol co-product allocation, and a beef-ethanol production system

Stephen M. Eilers  
_Toledo_
B.S., Iowa State University
Department: Electrical and Computer Engineering
Majors: Information Assurance and Computer Engineering
Thesis: IseHarvest: TCP packet data reassembler framework for network traffic content

Brian Theodore Eissfeldt  
_Peoria, Ill._
B.S., Iowa State University
Department: Logistics, Operations and Management Information Systems
Major: Information Assurance

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§  Research Excellence Award
† †  Teaching Excellence Award
Nathan Lee Fischer  Neola
B.S., Iowa State University  
Major: Materials Science and Engineering  
Thesis: Novel composites for microwave absorption

Cory Foreman  Sioux Center
B.S., Iowa State University  
Major: Aerospace Engineering  
Thesis: Nondestructive detection and characterization of damages in honeycomb composite structures

Eric Daniel Fossum  Norfolk, Neb.
B.S., South Dakota State University  
Major: Mechanical Engineering

Nathan Paul Franka  Broomfield, Colo.
B.S., Iowa State University  
Major: Mechanical Engineering  
Thesis: Visualizing fluidized beds with X-rays

Natalia Frishman  Ames
Dipl., Kharkov Medical Institute;  
M.D., Ibid.  
Major: Sociology  
Thesis: An investigation of the theory of reasoned action concerning consumer acceptance of food irradiation

Yingkun Gai  Shanghai, China
B.S., Shanghai Jiaotong University;  
M.S., Ibid.  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Thesis: Noise analysis for switched-capacitor circuitry

Patricio Alejandro Galdames  Santiago, Chile
Ing., University of Chile;  
M.Sc., Ibid.  
Major: Computer Science  
Thesis: Managing continuous k-nearest neighbor queries in mobile peer-to-peer networks

Lucy Diane Ganem  Indianola
B.A., Simpson College  
Major: Sociology  
Thesis: An examination of the attachment process from childhood to romantic relationships among young adults raised in long-term and adoptive foster care

Haiyang Gao  Liaoysang, China
B.E., Beihang University  
Major: Aerospace Engineering  
Thesis: A computational study of quasi-2D flows at low Reynolds numbers

Elizbeth Ann Gaskins  Des Moines
B.S., Iowa State University  
Department: Agricultural Education and Studies  
Major: Agricultural Education

Shantanu Gattani  Lucknow, India
B.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Computer Engineering  
Thesis: Reference models for network trace anonymization

Joji George  Butler, Pa.
D.Ph.T., University of Pune;  
B.Ph.T., Ibid.  
Department: Kinesiology  
Major: Kinesiology (Biological Basis of Physical Activity)  
Thesis: Effect of cardiovascular exercise training compared to strength flexibility training on inflammatory mediators in an elderly population

Anand Ghurka  Hyderabad, India
B.Eng., Osmania University  
Department: Industrial and Manufacturing Systems Engineering  
Major: Industrial Engineering

Jonathon Richard Giles  Sioux Falls, S. Dak.
B.S., South Dakota State University;  
M.B.A., University of Sioux Falls  
Major: Mechanical Engineering  
Thesis: Energy comparison of under floor air distribution heating ventilation and air conditioning systems in office buildings

Rachel Jean Graham  Des Moines
B.A., Grand View College  
Major: Statistics

Clinton Allen Halverson  Rembrandt
B.S., Iowa State University  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Geotechnical Engineering)  
Thesis: Characterization of geomaterials with X-ray computed tomography (X-ray CT)

Andrew Jay Halvorsen  Fairmont, Minn.
B.S., St. Olaf College  
Major: Statistics
Travis William Hartke  
Litchfield, Ill.
B.A., North Central College
Department: Kinesiology
Major: Kinesiology (Behavioral Basis of Physical Activity)
Thesis: Process and impact evaluation of the VERB Summer Scorecard Program

Sarah Meryl Heuer  
Fairmont, Minn.
B.A., Bethel University
Department: Interdisciplinary Graduate Studies
Major: Interdisciplinary Graduate Studies (International Development Studies)

Dustin L. Hiatt  
Council Bluffs
B.S., Iowa State University
Department: Political Science
Major: Information Assurance

Mohammed Sayel Hleihel  
Saida, Lebanon
B.S., Iowa State University
Department: Electrical and Computer Engineering
Major: Information Assurance

Christopher Brady Hoeck  
Ankeny
B.S., Iowa State University
Major: Mechanical Engineering
Thesis: Analysis of a DDGS air-drying system with heat recovery

Christopher David Hoff  
Newton
B.S., Iowa State University
Department: Electrical and Computer Engineering
Majors: Information Assurance and Computer Engineering
Thesis: Cryptic backup: a framework for automated compression, encryption, and backup of data

Shannon Patricia Hoffman  
Ankeny
B.S., Iowa State University
Major: Human Development and Family Studies
Thesis: Young adult risky behavior: A comparison of adoptee vs. non-adoptee outcomes

Jennifer Ann Hubbard  
Ankeny
B.A., University of Northern Iowa
Major: Industrial Relations

Michael Edward Hunter  
Redwood, N.Y.
B.T., State University of New York - Cobleskill
Major: Agronomy

Nathan Gregory Johnson  
Estherville
B.S., Iowa State University;
M.S., Ibid.
Department: Interdisciplinary Graduate Studies
Major: Interdisciplinary Graduate Studies (International Development Studies)
Thesis: Decision making limitations from communication barriers in government structures in Chinese rural energy projects

Michelle L. Johnston  
Ames
B.S., Iowa State University
Major: Psychology
Thesis: Predictors of loneliness in gay, lesbian, and bisexual youth

Emily C. Jones  
Iowa City
B.S., Iowa State University
Major: Aerospace Engineering
Thesis: Experimental simulation of atmospheric boundary layers and extreme gust events

Kate Ellen Ekle Junk  
Farmington
B.S., Iowa State University
Major: Psychology
Thesis: Stability of career aspirations: A test of Gottfredson’s theory of circumscription and compromise

Yashodhara Reddy Kambam  
Hyderabad, India
B.Tech., Jawaharlal Nehru Technological University
Department: Civil, Construction and Environmental Engineering
Major: Civil Engineering (Environmental Engineering)

Ryan Robert Kelly  
Altoona
B.A., University of Iowa
Department: Curriculum and Instruction
Major: Education
Thesis: Aporia-triggered knowledge construction: The use of interviews and a focus group to further assess Science Writing Heuristic impact on participating teachers

Ishadeep Kaur Khanijo  
Ludhiana, India
B.Tech., Punjab Agricultural University
Departments: Agricultural and Biosystems Engineering and Civil and Construction Engineering
Majors: Agricultural Engineering and Civil Engineering (Environmental Engineering)
Thesis: Monitoring vegetative treatment system performance for open beef feedlot runoff control
Jason R. Kinley  
West Des Moines  
B.S., Iowa State University  
Major: Entomology  
Thesis: Studies on the vector competence of a Mid-western strain of Aedes vexans (Meigen) (Diptera: Culicidae) for West Nile Virus

Dmitry A. Kirilov  
Arlington Heights, Ill.  
B.A., South Russian State Technical University;  
B.S., Iowa State University  
Major: Computer Science

Jeff Daniel Koch  
Lyons, Neb.  
B.S., University of Nebraska at Lincoln  
Department: Natural Resources Ecology and Management  
Major: Fisheries Biology  
Thesis: Effects of commercial harvest of shovelnose sturgeon populations in the upper Mississippi River

Jeremy Craig Koskie  
Spring Valley, Wis.  
B.S., University of Wisconsin - Platteville  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Structural Engineering)  
Thesis: Investigation of steel stringer bridge superstructures

Anna Elizabeth Kosloski  
Champlin, Minn.  
B.A., University of Minnesota - Morris  
Major: Sociology  
Thesis: The effect of prisonization on female criminality

Bridget Jennifer Lavelle  
Seattle, Wash.  
B.A., Grinnell College  
Major: Statistics

Liliana L. Lay Lisung  
Lima, Peru  
Comm., University of Lima  
Department: Interdisciplinary Graduate Studies  
Major: Interdisciplinary Graduate Studies (International Development Studies)  
Thesis: Peasant communities, the first link of the commodity chain of vicuña fiber

Minsun Lee  
Seoul, South Korea  
B.I.S., Dongduk Womens University  
Department: Apparel, Educational Studies and Hospitality Management  
Major: Textiles and Clothing  
Thesis: Television shopping: the effect of persuasive strategies on parasocial interaction, subjective well-being, and impulse buying tendency among older women

Zhen Li  
Taihe, China  
B.S., Southeast University  
Department: Mathematics  
Major: Applied Mathematics  
Thesis: Numerical computation of an optimal control problem with homogenization in one-dimensional case

Kelly Yu-Hsin Liao  
Taipei, Taiwan  
B.Sc., University of Toronto  
Major: Psychology  
Thesis: Experiential self-focus as a facilitator of processing interpersonal hurt and as a buffer in the relationship between anger rumination and psychological outcomes

Seung Joo Lim  
Yongin, South Korea  
B.S., Konkuk University;  
M.S., Ibid.  
Department: Civil, Construction and Environmental Engineering  
Major: Civil Engineering (Environmental Engineering)  
Thesis: Swine wastewater treatment by the static granular bed reactor

Yan Ling  
Hangzhou, China  
B.S., Fudan University  
Department: Veterinary Microbiology and Preventive Medicine  
Major: Veterinary Microbiology

Haifeng Liu  
Lishui, China  
B.Eng., Zhejiang University;  
M.Eng., Ibid.;  
Ph.D., Iowa State University  
Major: Economics

Mark Robert Loeffelbein  
Missoula, Mont.  
B.A., University of Northern Colorado  
Department: Geological and Atmospheric Sciences  
Major: Meteorology  
Thesis: The impact of upper-level flow regime change from spring to summer on QPF accuracy over the Midwest

§ Research Excellence Award  
†† Teaching Excellence Award
Joel Clifton Logan  Silver Springs, N.Y.
B.S., Iowa State University
Major: Mechanical Engineering
Thesis: Energy efficiency enhancements to a low energy high performance building

Senja Katarina Lopac  Chisholm, Minn.
B.S., University of Minnesota - Duluth
Department: Chemical and Biological Engineering
Major: Chemical Engineering
Thesis: Polymer chemistry effects on protein release and immune activation

Miriam D. Lopez  Ames
B.S., Iowa State University
Major: Entomology
Thesis: Bt-resistant European corn borers and Nosema pyrausta: Implications for resistance management

Xin Lu  Suzhou, China
B.E., East China University of Science and Technology
Major: Plant Pathology
Thesis: Soybean mosaic and stem canker in Iowa soybean fields

Rebecca Jane Lukac  Kalona
B.S., University of California - Irvine
Department: Food Science and Human Nutrition
Major: Nutritional Sciences
Thesis: Method development for the quantification of ferritin in staple food crops

Adeel H. Mankee  Lahore, Pakistan
B.S., Iowa State University
Department: Electrical and Computer Engineering
Major: Electrical Engineering

Sergiy Markutsya  Kiev, Ukraine
M.Dipl., T.S. Kiev State University; M.S., Iowa State University
Major: Mechanical Engineering
Thesis: Modeling and simulation of nanoparticle aggregation in colloidal systems

Ryan David Marquardt  Ames
B.S., Iowa State University
Department: Natural Resources Ecology and Management
Major: Sustainable Agriculture
Thesis: Grassland bird abundance and nesting in short-duration rotationally grazed pastures in southwest Iowa

Joseph Allan Marshall  Rapid City, S.Dak.
B.S., South Dakota School of Mines and Technology
Department: Chemistry
Major: Organic Chemistry
Thesis: An improved preparation of levoglucosenone from cellulose

Juan Carlos Martínez  Mexico City, Mexico
Agr.Engr., Universidad Autonoma Chapingo
Department: Agronomy
Major: Plant Breeding
Thesis: Establishment of transformation systems using mature seeds of maize inbred lines

Jason Charles Maughan  Benson, Utah
B.S., Utah State University
Department: Electrical and Computer Engineering
Majors: Information Assurance and Computer Engineering
Thesis: CONDENSER: A custom tool for capturing and summarizing network traffic for AVALANCHE and ISEAGE

Lisa Catherine McGarthwaite  Granite Falls, Minn.
B.A., St. Mary's University of Minnesota
Department: Electrical and Computer Engineering
Major: Human Computer Interaction

Andrew Peter McKean  Dubuque
B.S., Iowa State University
Major: Mechanical Engineering

Samir Mehanovic  Ankeny
B.S., Iowa State University
Department: Biochemistry, Biophysics, and Molecular Biology
Major: Biochemistry
Thesis: Development of an RNA aptamer to PD173955N through SELEX

Ryan David Meier  Maxwell
B.S., Iowa State University
Department: Logistics, Operations and Management Information Systems
Major: Information Systems

Robert Marcel Milbrandt  Huron, S. Dak.
B.S., South Dakota State University
Major: Mechanical Engineering
Thesis: Simulating energy efficiency in laboratory buildings
Paul Michael Miller
Maplewood, Minn.
B.A., St. Mary’s University of Minnesota
Department: Computer Science
Major: Information Assurance
Thesis: Visualization for network forensic analyses: extending the Forensic Log Investigator (FLI)

Craig Michael Mizera
Lemmon, S. Dak.
B.S., South Dakota State University
Department: Civil, Construction and Environmental Engineering
Major: Civil Engineering (Transportation Engineering)
Thesis: Improving pavement marking performance through contrasting new methods to quantify marking presence and increasing installation efficiencies through an evaluation of prototype bead guns

Cesar Paul Montalvo Clavijo
Quito, Ecuador
B.A., Universidad San Francisco de Quito
Department: Economics
Major: Agricultural Economics

Jeffrey Allen Moore
Riceville
B.S., Iowa State University
Department: Agronomy
Major: Soil Science (Soil Fertility)
Thesis: Comparison of ESN, urea, and aqua ammonia as sources of nitrogen for corn production in Iowa

Priya Sharnell Morris
Milwaukee, Wis.
B.S., Iowa State University
Major: Interdisciplinary Graduate Studies

JoAnn Charlson Nady
Nevada
B.S., Iowa State University; Ibid.
Major: Industrial Relations

Kendra Kay Naef
Appleton, Wis.
B.S., University of Wisconsin - Stout
Department: Family and Consumer Sciences Education and Studies
Major: Family and Consumer Sciences Education
Thesis: Young adult attitudes regarding individuals with disabilities: A post-intervention comparison of high school graduates

Kenneth F. O’Brien
Carroll
B.S., Iowa State University
Major: Agronomy

Wayne J. Ohnesorg
Sidney, Neb.
B.S., University of Wyoming
Major: Entomology

Shinnosuke Onuki
Kawasaki, Japan
B.S., Keio Gijuku University
Department: Agricultural and Biosystems Engineering
Major: Agricultural Engineering
Thesis: Purification of ethanol with ozone, activated carbon and gas stripping, and method development to evaluate quality of ethanol

Brian Lee Oostenink
Sioux Center
B.S., Iowa State University
Department: Agricultural Education and Studies
Major: Agricultural Education

Michael A. Oren
Algonquin, Ill.
B.A., DePauw University
Department: Geological and Atmospheric Sciences
Major: Human Computer Interaction
Thesis: Design and evaluation of auditory spatial cues for decision making within a game environment for persons with visual impairments

Jason Alan Palmer
Estherville
B.S., Iowa State University
Department: Natural Resources Ecology and Management
Major: Environmental Science
Thesis: An assessment of riparian land-use and channel condition impacts on streambank eroding lengths and recession rates in two third order rural watersheds in Central Iowa

Mridul Pentapalli
Bear, Del.
B.Eng., University of Pune
Major: Computer Science

Claudia Marcela Prado Meza
Colima, Mexico
Licen., University of Colima
Department: Interdisciplinary Graduate Studies
Major: Interdisciplinary Graduate Studies (Social Sciences)

§ Research Excellence Award
† † Teaching Excellence Award
Beth Marie Prince  Romeoville, Ill.
B.S., Illinois College
Department: Chemistry
Major: Physical Chemistry
Thesis: Vibrational dynamics of excited states probed by fs/ps CARS: simulations and applications to ultrafast charge transfer dynamics

Susan Charlson Radke  Forest City
B.A., University of Iowa
Major: Industrial Relations

Patrick Robert Reeg  Bellevue
B.S., Iowa State University
Major: Agronomy

Christopher J. Rees  York, Neb.
B.S., Iowa State University
Major: Agronomy

Andrew Paul Riha  Cresco
B.S., Iowa State University
Department: Electrical and Computer Engineering
Major: Computer Engineering

Laura Marie Ritland  Ames
B.S., Iowa State University
Department: Food Science and Human Nutrition
Major: Nutritional Sciences
Thesis: Relationship of centrally-located body fat to appetitive hormones in healthy postmenopausal women

Jason Allen Ryon  Ottumwa
B.S., Iowa State University
Major: Aerospace Engineering
Thesis: Computational simulation of separated flow in a three-dimensional diffuser using v2-f and zeta-f models

Steven R. Sass  St. Olaf
B.S., Iowa State University
Major: Mechanical Engineering

Asish Seeboo  Vacoas, Mauritius
B.S., University of Mauritius
Department: Civil, Construction and Environmental Engineering
Major: Civil Engineering (Construction Engineering and Management)
Thesis: Proposed highway asset management framework with an emphasis on economic impact analysis

Ryan Joel Six  Puyallup, Wash.
B.A., University of Washington
Department: Curriculum and Instruction
Major: Education (Curriculum and Instructional Technology)
Thesis: Analysis of policy and educational approaches within the Seattle recycling program

Gregory Stargell  Atlanta, Ga.
B.S., Alabama A&M University
Major: Mechanical Engineering
Thesis: Devising a more robust automated detection method using audio frequency spectra

Asha Stephen  Hyderabad, India
B.Tech., Kannur University; M.S., University of Missouri – Kansas City
Major: Psychology
Thesis: Gender differences in subject-specific academic performance predicted by self-efficacy and interests of 12th grade Indian students

Sandra Jo Stewart  Minden
B.S., Iowa State University
Department: Apparel, Educational Studies and Hospitality Management
Major: Textiles and Clothing
Thesis: Effects of computer self-efficacy and spatial visualization ability on student perceptions of 2D/3D CAD virtual prototype simulations for apparel design

§  Research Excellence Award
† †  Teaching Excellence Award
Kaye Elizabeth Strohbehn  
*Ames*  
B.S., South Dakota State University  
Department: Agricultural Education and Studies  
Major: Agricultural Education (Agricultural Extension Education)

Lishan Su  
*Xianyou, China*  
B.E., Fuzhou University  
Major: Journalism and Mass Communication  
Thesis: Impacts of mass media coverage of the economy during normal times and recessions on the Index of Consumer Confidence using time series analysis and Granger causal analysis

Bryan D. Sulzer  
*Dubuque*  
B.S., Iowa State University  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering

Guan Qiang Tan  
*Davenport*  
B.A., Guangzhou Medical College;  
B.A., Iowa State University  
Department: Kinesiology  
Major: Kinesiology (Biological Basis of Physical Activity)  
Thesis: The effects of mid-air adjustments on knee joint loading when landing from a jump

Kristina Boysen Taylor  
*Ames*  
B.A., Iowa State University  
Major: Computer Science  
Thesis: A specification language design for the Java Modeling Language (JML) using Java 5 annotations

Tanasha Ann Taylor  
*Des Moines*  
B.S., Iowa State University  
Department: Agricultural and Biosystems Engineering  
Major: Human Computer Interaction  
Thesis: A concept virtual harp with physical string vibrations using augmented reality for therapy

Wendy LeAnne Thomas  
*Mount Pleasant*  
B.A., Monmouth College  
Department: Biochemistry, Biophysics, and Molecular Biology  
Major: Biochemistry  
Thesis: Use of Fourier transform infrared (FTIR) spectroscopy to determine the health-promoting index (HPI) of cow’s milk

Ryan Wesley Tobin  
*Indianapolis, Ind.*  
B.S., Indiana State University  
Department: Physics and Astronomy  
Major: Astrophysics  
Thesis: Photometric variability of Sun-like stars in the old open cluster M67

Christopher J. Uhl  
*Beecher, Ill.*  
B.S., Iowa State University  
Major: Aerospace Engineering  
Thesis: Relating crack heating to vibration for vibrothermography

Flavian C. Vasile  
*Bucuresti, Romania*  
Licen., Academy of Economic Studies  
Major: Computer Science  
Thesis: Uncovering the structure of hypergraphs through tensor decomposition: An application to folksonomy analysis

Michelle Marie Vigna  
*Greenfield*  
B.S., University of Illinois Urbana-Champaign  
Major: Agronomy

Eknath Vittal  
*Scottsdale, Ariz.*  
B.S., University of Illinois Urbana  
Department: Electrical and Computer Engineering  
Major: Electrical Engineering  
Thesis: A static analysis of maximum wind penetration in Iowa and a dynamic assessment of frequency response in wind turbine types

Cindy Ngoc Vo  
*Ames*  
B.S., California State University – San Bernadino  
Department: Human Development and Family Studies  
Major: Human Development and Family Studies (Child Development)  
Thesis: Pregnant and parenting teens’ attitudes toward pregnancy and motherhood and their perceptions of social support

Jeremy J. Wagner  
*Cedar Falls*  
B.S., Kansas State University  
Major: Mechanical Engineering

Justin Daniel Walker  
*Cherokee*  
B.S., Iowa State University  
Department: Industrial and Manufacturing Systems Engineering  
Major: Industrial Engineering  
Thesis: An innovative new pouring design for steel castings
Laura Christine Walters  
_Rochester, Minn._

B.S., Culver-Stockton College
Major: Mathematics

Brandie Marie Ward  
_Villisca_

B.S., Iowa State University
Major: Human Development and Family Studies
Thesis: Educational outcomes of children with absent-fathers: An examination of children with deceased fathers and children with fathers absent for other reasons compared with children with fathers present in a two-parent home

Jennifer Renee Watson  
_Scottsdale, Ariz._

B.S., Kansas State University
Major: Foodservice and Lodging Management
Thesis: Defining pleasurable eating competencies for undergraduate dietetics programs

§ Andrea Marie Weare  
_Council Bluffs_

B.A., Buena Vista University
Major: Journalism and Mass Communication
Thesis: “Thin is what we’re supposed to be, not what we’re supposed to talk about”: A qualitative study of pro-eating disorder blogging communities

Shi Wen  
_Overland Park, Kans._

B.Econ., Nankai University;  
M.S., Iowa State University
Major: Statistics

Lucas D. Witt  
_Manning_

B.S., Buena Vista University
Department: Computer Science
Major: Information Assurance
Thesis: A formal approach toward authenticated authorization without identification

Michelle Lynn Wright  
_Woodruff, Wis._

B.S., University of Wisconsin - LaCrosse
Major: Industrial Relations

Liu Xi  
_Xinyu, China_

B.Agri., China Agriculture University
Major: Plant Pathology
Thesis: A negative regulator of ribosomal RNA processing specifies R-gene-independent cell death in barley - powdery mildew interactions

Melissa Ariani Yahya  
_Ames_

Sarj., Sepuluh Nopember Institute of Technology
Major: Computer Science
Thesis: An online system for bioterrorism surveillance

Laura Gabriela Yamauchi  
_La Plata, Argentina_

Licen., Universidad Nacional de la Plata
Major: Foodservice and Lodging Management
Thesis: Effects of multimedia instructional material on students’ learning and their perceptions of the instruction

Xiaofei Yu  
_Laiyang, China_

B.S., Fudan University
Department: Genetics, Development and Cell Biology
Major: Molecular, Cellular and Developmental Biology
Thesis: Mechanisms of BES1-regulated gene expression downstream of brassinosteroid signaling in _Arabidopsis thaliana_

Gregory Andrew Zink  
_Elgin, Ill._

B.S., Iowa State University
Major: Aerospace Engineering
Thesis: Computational studies on the effect of water impact on an unmanned air vehicle

§ Research Excellence Award
† † Teaching Excellence Award