



University of Nebraska–Lincoln

**PROMOTION
& TENURE**

2006–2007

academic year

Celebration of Promotion and Tenure

“POWER OF RED”

Great Hall in Sheldon Memorial Art Gallery

Thursday, April 26, 2007

6:30 p.m.

Hosted by:

Chancellor Harvey Perlman

Senior Vice Chancellor Barbara Couture

Vice Chancellor John C. Owens

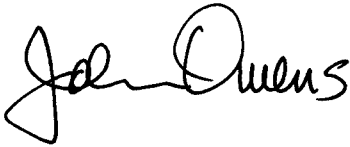
Celebration of Promotion and Tenure

Being promoted or awarded tenure is a significant step in your academic career. These events reflect your individual achievement, as well as the University's dedication to creating an intellectual and campus environment that helps you transform your dedicated efforts into noteworthy achievements.

We are pleased to honor those faculty members whose accomplishments are featured in this booklet. Each of you has been invited to join the ranks of UNL's senior faculty because of your significant professional accomplishments. We honor you at this event for effectively applying your talents to accomplish great things – in your fields of scholarship or creative endeavor, for your students, for your departments, for your colleges and divisions, for the University, and for the clientele we serve.

The future of our University is dependent upon your continuing engagement as senior faculty members to sustain and promote excellence and quality. As newly tenured or promoted faculty, we ask you to affirm your acceptance of a new responsibility to your University – a responsibility of leadership, dedication, and commitment – and we encourage you to join your colleagues in helping us shape our academic aspirations and profile for the future.

The University community joins us in congratulating you on this recognition of your professional accomplishments, and we also thank your colleagues who assisted in creating an environment in which you could excel.



John C. Owens
NU Vice President and
IANR Harlan Vice Chancellor



Barbara Couture
Senior Vice Chancellor
for Academic Affairs

Honored Guests

ADMINISTRATION

Harvey Perlman, Chancellor

Barbara Couture, Senior Vice Chancellor for Academic Affairs

John C. Owens, Vice Chancellor for Agriculture and Natural Resources

Juan N. Franco, Vice Chancellor for Student Affairs

Christine Jackson, Vice Chancellor for Business and Finance

Prem Paul, Vice Chancellor for Research

Susan M. Fritz, Associate Vice Chancellor for IANR

Greg R. Gunderson, Assistant Vice Chancellor for Academic Affairs

Evelyn Jacobson, Associate Vice Chancellor for Academic Affairs

Alan Moeller, Assistant Vice Chancellor for IANR

Ronald Roeber, Associate Vice Chancellor for Academic Affairs

David Wilson, Associate Vice Chancellor for Academic Affairs

DEANS

David H. Allen, Dean, College of Engineering

Gary L. Cunningham, Dean, Agricultural Research Division

Elbert Dickey, Dean, Cooperative Extension Division

R. Wayne Drummond, Dean, College of Architecture

Joan R. Giesecke, Dean, University Libraries

Richard Hoffmann, Dean, College of Arts and Sciences

Rita Kean, Dean, Undergraduate Studies

Marjorie J. Kostelnik, Dean, College of Education and Human Sciences

Cynthia H. Milligan, Dean, College of Business Administration

Will Norton, Jr., Dean, College of Journalism and Mass Communications

Giacomo M. Oliva, Dean, Hixson-Lied College of Fine and Performing Arts

Steven S. Waller, Dean, College of Agricultural Sciences and Natural Resources

Ellen Weissinger, Executive Associate Dean, Graduate College

Steven L. Willborn, Dean, College of Law

ACADEMIC SENATE

Steve Bradford, President, Academic Senate

Ali Moeller, Immediate Past President, Academic Senate

Honored Guests

DEPARTMENT CHAIRS, HEADS, AND DIRECTORS

Don Adams, Director, West Central Research and Extension Center

Alan Baquet, Head, Agricultural Economics

John Barton, Interim Chair, Mechanical Engineering

Don Beermann, Head, Animal Science

Tracy Bicknell-Holmes, Chair, University Libraries

Gary Brewer, Head, Entomology

John Comer, Chair, Political Science

Mohamed Dahab, Chair, Civil Engineering

Ralph DeAyala, Chair, Educational Psychology

Patrick Dussault, Chair, Chemistry

Rolando Flores, Head, Food Science and Technology

Edward Forde, Chair, Art and Art History

Scott Fuess, Chair, Economics

David Hansen, Chair, Psychology

David Hardin, Head, Veterinary and Biomedical Sciences

Charles Hibberd, Director, Panhandle Research and Extension Center

Mark Hoistad, Associate Dean and Program Director, Architecture

Julie Johnson, Chair, Child, Youth and Family Sciences

Alan Kamil, Director, School of Biological Sciences

Mark Kuzila, Director, School of Natural Resources

Mark Lagrimini, Head, Agronomy and Horticulture

Sang Lee, Chair, Management

John Meakin, Chair, Mathematics

Joseph Mendola, Chair, Philosophy

Marcela Raffaelli, Director, Institute for Ethnic Studies

John Richmond, Director, School of Music

Michael Riley, Chair, Construction Management

Joy Ritchie, Chair, English

Marilynn Schnepf, Chair, Nutrition and Health Sciences

Richard Sincovec, Chair, Computer Science and Engineering

James Steadman, Head, Plant Pathology

Walt Stroup, Head, Statistics

Joseph Turner, Chair, Engineering Mechanics

Katherine Walter, Chair, University Libraries

David Watkins, Chair, Geosciences

Dan Wheeler, Head, Agricultural Leadership, Education and Communication

Susan Williams, Director, Southeast Research and Extension Center

Kenneth Winkle, Chair, History

David Wishart, Chair, Anthropology and Geography

John Witkowski, Director, Northeast Research and Extension Center

Ron Yoder, Head, Biological Systems Engineering

2006–2007 Honorees

COLLEGE OF ARCHITECTURE



KATHERINE S. ANKERSON
Promoted to Full Professor:
Interior Design Program

Hired: 1996. M.S. Arch., Washington State University, 1994; B. Arch., Washington State University, 1979; B.S., Washington State University,

1978. **Area of Focus:** (Teaching) Upper Division Studio, Construction Documents, Evolving Issues in Interior Design; (Research) Digital contribution to teaching/learning; design for aging populations. **Recent Major Accomplishments:** (Research) Principal author of two textbooks: *Elements of Interior and Lightframe Construction and Interior Construction Documents*, both on CD-Rom with accompanying workbook; and author and developer of CD-Rom to accompany *Foundations of Interior Design*. Recipient of Cecil Steward Professorship. (Teaching) College Distinguished Teaching Award; co-authoring *Practical Strategies for Interior Design Educators*. (Outreach) Presidents Award, Interior Design Educators Council (IDEC) for development of IDEC Academy, promoting the development of scholarly and rigorous continuing education courses for interior design. **Representative Publications:** *Foundations of Interior Design* CD-Rom, Fairchild Books, Inc., 2006; *Teaching Triage*, IDEC Academy, 2005. **Representative Grants:** “*Advising for Architecture and Interior Design*” University of Nebraska–Lincoln Academic Affairs Initiative for Teaching and Learning Excellence, 2006 (\$25,000); “*Designing for Life-Safety: Unlocking the secrets of the building code*,” Extended Education and Outreach, 2001 (\$12,000). **Representative Awards:** Cecil M. Steward Distinguished Professorship, College of Architecture 2004–06; Distinguished Teaching Award, College of Architecture, 2006.



JEFFREY L. DAY
Promoted to Associate
Professor and Awarded Tenure:
Architecture

Hired: 2001. M. Arch., University of California, 1995; A.B., Harvard College 1988. **Area of Focus:**

Questions regarding the boundaries between design and production, and the examination of landscape as a model of process for architectural and urban practices. **Recent Major Accomplishments:** (Research) Partner

in the Omaha and San Francisco-based architecture firm Min | Day with numerous national design awards, traveling exhibitions, public lectures, and published work. Academic research is an outgrowth of this active design practice. (Teaching) Distinguished Teaching Award; numerous publications of scholarship of teaching and learning. (Outreach) Board member of Art Farm; several design projects for nonprofit organizations accomplished through *FACT*, a UNL student-staffed design lab; peer reviewer for national publications; conference co-chair for regional ACSA conference. **Representative Publications:** “Mutual in Omaha and San Francisco,” *Architectural Record*, 2003; “Everyday Geometries,” Proceedings: 18th National Conference on the Beginning Design Student, Portland, OR, 2002. **Representative Grants:** “Sheldon|Life,” UNL Arts and Humanities Seed Grant, 2004–05 (\$9,935); “Art/Landscape/Architecture,” UNL Arts and Humanities Seed Grant, 2003–04 (\$9,980). **Representative Awards:** AIA Central States Region Honor Award for unbuilt/commissioned work (Ferrous Park, Constructing Urbanism), 2006; AIA Nebraska Honor Award for unbuilt work (Art Farm Red Barn Gallery), 2004.

COLLEGE OF ARTS AND SCIENCES



ROBERT F. BELLI
Promoted to Full Professor:
Psychology

Hired: 2002. Ph.D., University of New Hampshire, 1987; M.A., State University of New York at Geneseo, 1984; B.A., University of Notre

Dame, 1977. **Area of Focus:** Applied memory, including autobiographical memory, eyewitness memory, and memory processes in survey response. **Recent Major Accomplishments:** (Research) Lead editor on a volume exploring interviewing methodologies to collect high quality retrospective reports in surveys, expected publication Fall 2007 by Sage; (Teaching) Introduced courses on “Questionnaire Design” and the “Psychology of Survey Response” to the UNL curricula; (Outreach) Editor of the Journal, *Applied Cognitive Psychology*. **Representative Publications:** “An experimental comparison of question formats used to reduce vote overreporting,” *Electoral Studies*, 2006; “The influence of schematic knowledge on contradictory versus additive misinformation: False memory for typical and atypical items,” *Applied Cognitive Psychology*, 2006. **Representative Grants:**

2006–2007 Honorees

“Verbal Behaviors in Computerized Lifecourse Surveys.” National Institute on Aging, 2005-08 (\$414,430); “Computerized Calendar Methods: Health and Economic Measures,” National Institute on Aging and the National Institute of Child Health and Human Development, 2001-04 (\$979,968). **Representative Awards:** Raymond Erickson Lecture for Distinguished Ph.D. Psychology Graduates of the University of New Hampshire, 2006; Outstanding Service Award, Office of the Vice President for Research, University of Michigan, 2001-02.



LIANGCHENG DU
Promoted to Associate Professor and Awarded Tenure: Chemistry

Hired: 2001. Ph.D., The Royal Veterinary and Agricultural University, Denmark, 1997. **Area**

of Focus: (Teaching) Organic Chemistry; (Research) the biosynthesis of antibiotics and mycotoxins.

Recent Major Accomplishments: Molecular mechanism for a fungal pathogen to produce mycotoxin fumonisins; Chemistry and genetics of a novel antifungal metabolite HSAF. **Representative Publications:** “Production of dihydroisocoumarins in *Fusarium verticillioides* by swapping the ketosynthase domain of the fungal iterative modular polyketide synthase FumIp with that of lovastatin diketide synthase,” *Journal of American Chemical Society*, 2007; “Structure and biosynthesis of HSAF, a broad spectrum antimycotic with a novel mode of action,” *Antimicrobial Agents and Chemotherapy*, 2007.

Representative Grants: “Biosynthesis of mycotoxin fumonisins: characterization of enzymes for vicinal diol and tricarballic ester formation,” NSF, 2006-09 (\$284,667); “Functional and chemical characterization of a novel broad spectrum antimycotic from *Lysobacter enzymogenes*,” NRI, 2004-08 (\$393,490).



TRACY D. FRANK
Promoted to Associate Professor and Awarded Tenure: Geosciences

Hired: 2004. Ph.D., University of Michigan, 1996; M.S., University of Michigan, 1992; B.S., Iowa

State University, 1990; **Area of Focus:** Carbonate sedimentology and geochemistry, Earth-system history. **Recent Major Accomplishments:** (Research) Together with Prof. C.R. Fielding, L. Birgenheier (PhD student), and Dr. M. Rygel (postdoc), contributed to

an article that appeared in *Science* (Jan. 2007), which demonstrated links between changing atmospheric CO₂ levels and climate instability at the end of the last major ice age, 250 million years ago. The contribution represented the culmination of multiple years of field-based research on ancient glacial deposits preserved in eastern Australia. (Teaching) Accomplishments in teaching are associated with the development of materials for GEOL 103H, Historical Geology for Honors Students, which are focused on communicating the significance of Earth’s long-term history to understanding of the present world. (Outreach) Participated since 2005 in “Dinosaurs and Disasters,” an annual family day held at the University of Nebraska State Museum and co-sponsored by UNSM and the UNL Department of Geosciences.

Representative Publications: “Cold climate in the eastern Australian mid to late Permian may reflect cold upwelling waters,” *Palaeogeography, Palaeoclimatology, Palaeoecology*, 2006; “The Maastrichtian record from Shatsky Rise (northwest Pacific): A tropical perspective on global ecological and oceanographic changes,” *Paleoceanography*, 2005. **Representative Grants:** “CAREER: Exploring the geologic record of major climate transitions—causes, consequences, and impacts on the evolution of Earth systems,” NSF, 2007-12 (\$580,989); “Re-evaluation of the late Paleozoic ice age in eastern Australia,” NSF, 2004-07 (\$140,000). **Representative Awards:** J.B. Coffman Faculty Excellence Award, 2006; Sigma Xi Outstanding Young Scientist Award, UNL Chapter, 2005.



RUSSELL GANIM
Promoted to Full Professor: Modern Languages

Hired: 1993. Ph.D., University of Virginia, 1992; M.A., University of Virginia, 1987; A.B., Grinnell College, 1983. **Area of Focus:** French

Renaissance and Baroque poetry. **Recent Major Accomplishments:** (Research) Monograph, two edited volumes on early modern French literature, Co-editor: *EMF: Studies in Early Modern France*; (Teaching) Team-taught courses on French poetry and the Court of Versailles (in Honors Program); (Outreach) Current President, North American Society for Seventeenth Century French Literature. **Representative Publications:** *Fecal Matters in Early Modern Literature and Art: Studies in Scatology*, Aldershot, UK: Ashgate Publishing Company, 2004; *The Shape of Change: Essays in Early Modern Literature and La Fontaine*. Amsterdam and New York: Rodopi, 2002.

2006–2007 Honorees

Representative Grants: Florence J. Gould Foundation for North American Society for Seventeenth Century French Literature Conference, UNL, 2007 (\$5000).



JAMES ALEX GARZA
Promoted to Associate Professor and Awarded Tenure: History and Institute for Ethnic Studies

Hired: 2001. Ph.D., Texas Christian University, 2001; M.A., Texas

A&M International University, 1996; B.A., Texas A&M International University, 1990. **Areas of Focus:** Criminality in 19th Century Mexico and Mexican immigration to the United States. **Recent Major Accomplishments:** (Research) Book, *The Imagined Underworld: Sex, Crime and Vice in Porfirian Mexico City*, will be published later this year by the University of Nebraska Press; (Teaching) Recently nominated for a teaching award from the College of Arts and Sciences. Participated extensively in mentoring undergraduate students through both the McNair and UCARE programs. (Outreach) Recently delivered a talk to potential students visiting UNL under the auspices of the National Hispanic Scholars meeting. **Representative Publications:** “The Long History of Mexican Immigration to the Rural Midwest,” *Journal of the West*, 2006; *The Imagined Underworld: Sex, Crime and Vice in Porfirian Mexico City, 1876-1911*, Lincoln: University of Nebraska Press, (forthcoming, 2007). **Representative Grants:** Layman Award, University of Nebraska Foundation, University of Nebraska–Lincoln, 2002-03; Grant-In-Aid Award, Office of the Research Council, University of Nebraska–Lincoln, 2002. **Representative Awards:** Certificate of Recognition for Contributions to Students Teaching Award, University of Nebraska–Lincoln, Teaching Council, 2001-02.



JOHN GIBBONS
Promoted to Associate Professor and Awarded tenure: Philosophy

Hired: 2001. Ph.D., Brown, 1993; B.A., Evergreen, 1987. **Area of Focus:** Philosophy of mind,

epistemology and action theory. **Representative Publications:** “Mental Causation Without Downward Causation,” *Philosophical Review*, 2006; “Access Externalism,” *Mind*, 2006.



RONALD J. GOBLE
Promoted to Full Professor: Geosciences

Hired: 1979. Ph.D., Queen’s University, 1977; M.S., University of Alberta, 1970; B.Sc., University of Alberta, 1968. **Area of Focus:**

(Research) Optical Dating; (Teaching) Introductory Physical Geology, Mineralogy, Optical Dating. **Recent Major Accomplishments:** (Research) Establishment of the UNL Department of Geosciences Luminescence Geochronology Laboratory, which has generated more than twenty collaborative student and faculty publications and thirty abstracts in the past five years; (Teaching) Creation of a new sophomore Minerals, Rocks and Ores course for geology majors which combines aspects of previous Mineralogy and Optical Mineralogy, Petrology, and Ore Deposits courses.

Representative Publications: “A linear modulation study of the unstable ultrafast component in OSL samples from Glacial Lake Hitchcock, USA,” *Ancient*, 2006; “Development of an OSL chronology for Late Pleistocene channel belts in the lower Mississippi Valley, USA,” *Quaternary Science Reviews*, 2005.

Representative Grants: “REU Site: Rates, Processes, and Implications of Big Changes in the Shape and Style of the Missouri River,” National Science Foundation, 2007-11 (\$342,930); “Collaborative Research: Dunefield Records of Late Quaternary Climatic Change, Northern China,” National Science Foundation, 2008 (\$288,665).



AMY GOODBURN
Promoted to Full Professor: English and Women’s and Gender Studies

Hired: 1994. Ph.D., The Ohio State University, 1994; M.A., The Ohio State University, 1991;

M.A., The Ohio State University, 1990; B.A., Miami University, 1987. **Area of Focus:** Teacher research and development, multicultural pedagogies, and ethnographic and community-based literacies.

Recent Major Accomplishments: (Research) Co-authored *Making Teaching And Learning Visible: Course Portfolios and Peer Review of Teaching and Inquiry into the College Classroom*, and co-edited *Composition, Pedagogy, and the Scholarship of Teaching*; (Teaching) Inducted into UNL’s Academy of Distinguished Teachers in 2002; (Outreach) Co-coordinator of UNL’s Peer Review of Teaching Project, which won a 2005 national Hesburgh award

2006–2007 Honorees

for the enhancement of undergraduate education.

Representative Publications: *Making Teaching And Learning Visible: Course Portfolios and Peer Review of Teaching*, Anker, 2006; *Inquiry into the College Classroom*, Anker, 2007. **Representative Grants:** IPALS, Nebraska State Department of Education, 2001 (\$67,000); Initiative for Teaching and Learning, UNL, 2004 (\$25,000 and \$22,000). **Representative Awards:** College of Arts and Sciences Teaching Award, 1999; UNL Scholarly Teaching Award, 1999.



SUSAN HERMLER
Promoted to Full Professor:
Mathematics

Hired: 1998. Ph.D., Cornell University, 1992; M.S., Cornell University, 1987; B.S., Ohio State University, 1984. **Area of**

Focus: Using geometry to find efficient algorithms to solve problems in group theory. **Recent Major Accomplishments:** (Research) London Mathematical Society visiting researcher to several universities in the UK; (Teaching) UNL College of Arts and Sciences Award for Distinguished Teaching, 2004; (Outreach) American Mathematical Society Council member-at-large (elected), AMS Committee on Science Policy member, and chair of GRE Mathematics Subject Test Committee of Examiners. **Representative Publications:** “Star-free geodesic languages for groups,” *International Journal of Algebra and Computation*, 2007; “Poly-free constructions for right-angled Artin groups,” *Journal of Group Theory*, 2007. **Representative Grants:** Visiting researcher, London Mathematical Society Scheme 2 grant, GBP, 2006 (\$1,200); Principal investigator, National Science Foundation, 2000-05 (\$74,680). **Representative Awards:** Award for Distinguished Teaching, UNL College of Arts and Sciences, 2004,



JENNIFER S. HUNT
Promoted to Associate
Professor and Awarded Tenure:
Psychology

Hired: 2000. Ph.D., University of Minnesota, 2001; B.A., Creighton University, 1995. **Areas of Focus:**

Expectancy-driven processing; Stereotyping, prejudice, and discrimination; Race and cultural influences on legal judgments. **Recent Major Accomplishments:** (Research) Conducted NSF-funded longitudinal study of the effects of relocation community members’ experiences with Hurricane

Katrina evacuees on their overall stereotypes and prejudice toward African Americans; (Teaching) Awarded the UNL Parents Association Certificate of Recognition for Contributions to Students for the third time in six years. **Representative Publications:** “Stereotypes and prejudice as dynamic constructs: Reminders about the nature of intergroup bias from the Hurricane Katrina relief efforts,” *Analyses of Social Issues and Public Policy*, 2006; “How jurors use and misuse character evidence,” *Journal of Applied Psychology*, 2004. **Representative Grants:** “Temporal Changes in Prejudice and Stereotyping in Relocation Communities Following the Evacuation of Hurricane Katrina Victims,” National Science Foundation, 2005 (\$55,792); “The effects of health care providers’ stereotypes on diagnostic and treatment decisions,” Nebraska Biomedical Research Enhancement Grant, 2001 (\$30,000).



SRIKANTH IYENGAR
Promoted to Full Professor:
Mathematics

Hired: 2004. Ph.D., Purdue University, 1998; M.S., Purdue University, 1994; B.Tech., Indian Institute of Technology (India),

1991. **Areas of Focus:** Commutative algebra, and its interactions with algebraic topology and representation theory. **Representative Publications:** “Class and rank of differential modules,” *Inventiones Mathematicae*, 2007 (to appear); “Duality in algebra and topology,” *Advances in Mathematics*, 2006. **Representative Grants:** “Derived invariants of commutative rings,” National Science Foundation Grant, 2006-09; “Homological invariants of modules over commutative rings,” National Science Foundation Grant, 2003-06. **Representative Awards:** Friedrich Wilhelm Bessel Research Award, 2007; Roger Wiegand Prize, Dept. of Mathematics, UNL, 2006.



THOMAS MARLEY
Promotion to Full Professor:
Mathematics

Hired: 1989. Ph.D., Purdue University, 1989; M.S., Purdue University, 1986; B.S., Creighton University, 1984. **Area of**

Focus: Commutative algebra. **Recent Major Accomplishments:** (Service) Director of the NSF-sponsored Nebraska IMMERSE program, an eight-week summer mentoring program for beginning graduate students in mathematics and early-career

2006–2007 Honorees

mathematicians. **Representative Publications:** “Non-Noetherian Cohen-Macaulay rings,” *Journal of Algebra*, 2007; “Local cohomology modules with infinite dimensional socles,” *Proceedings of the American Mathematical Society*, 2004. **Representative Grants:** “Nebraska Mentoring through Critical Transition Points,” National Science Foundation, 2004–09 (\$2,500,000). **Representative Awards:** Mathematical Association of America Section Award for Distinguished College or University Teaching of Mathematics, 2006; College Distinguished Teaching Award, 1993.



ETSUKO MORIYAMA
Promoted to Associate Professor and Awarded Tenure: School of Biological Sciences and Plant Science Initiative

Hired: 2001. Ph.D., Ochanomizu University (Tokyo), 1988. **Area**

of Focus: Molecular evolution and bioinformatics, particularly focusing on functional evolution of highly duplicated protein families. **Recent Major Accomplishments:** (Research) Developed methods for mining highly diverged G-protein coupled receptor proteins, and a method for simulating highly diverged protein sequences; (Teaching) Started and established BIOS 477/877 Bioinformatics and Molecular Evolution.

Representative Publications: “Simple alignment-free methods for protein classification: a case study from G-protein coupled receptors,” *Genomics*, (in press); “Mining the *Arabidopsis thaliana* genome for highly-divergent seven transmembrane receptors,” *Genome Biology*, 2006. **Representative Grants:** “Molecular evolution of genes expressed in *D. melanogaster* sperm storage structures,” NSF, 2006–09 (\$283,213); “Evolution of codon usage bias in the genus *Drosophila*,” NIH, 2006–09 (\$595,785).



BYRON D'ANDRA OREY
Promoted to Associate Professor and Awarded Tenure: Political Science

Hired: 2001. Ph.D. University of New Orleans, 1999; M.A., State University of New York (Stony

Brook), 1993; M.P.A. University of Mississippi, 1990; B.S., Mississippi Valley State University, 1988. **Area of Focus:** Research interests are in the area of race and politics, with primary foci on racial attitudes, legislative behavior and voting rights. **Recent Major Accomplishments:** (Research) Invited to deliver a

paper on the topic of “religion and politics” at the Oxford Roundtable, at Harris Manchester College, Oxford, England; (Teaching) Featured Course Portfolio: “Course Portfolio for POLS 100: Power and Politics.” *Inquiry into the Classroom: A Practical Guide for the Scholarship of Teaching and Learning*, Boston: Anker Publishing, 2007; (Outreach) Elected to the Executive Council for the National Conference of Black Political Scientists, currently serves as Vice Basileus for Omega Psi Phi (Delta Gamma Gamma Chapter). **Representative Publications:** “White Racial Attitudes and the Mississippi State Flag,” *American Politics Research*, 2004; “Race and Gender Matter: Refining Models of Legislative Policy Making in State Legislatures,” *Journal of Women, Politics and Policy*, 2007. **Representative Grants:** Layman Fund Award 2006, “Black Intra-Cultural Attitude Toward Race-based Policies,” 2006–07 (\$9,500); Maude Hammond Fellowship, Research Council, University of Nebraska–Lincoln, “Black Conservatives and Intra-group resentment,” 2004 (\$10,000); Gallup Research Professorship 2003–04, “Explaining Black Conservatives: Racial Resentment or Racial Uplift?” 2003 (\$4,600). **Representative Awards:** “Outstanding Research on Race and Politics,” Bethune Cookman College, Humanities Advisory Council; “Excellence in Education at the University of Nebraska,” Lincoln Alpha Tau Chapter of Beta Theta Pi.



FRANK R. RACK
Awarded Tenure: Geosciences and ANDRILL Science Management Office

Hired: 2006. Ph.D., Texas A&M University, 1992; B.S., University of Rhode Island, 1979.

Area of Focus: Oceanography, Marine Geology, Physical and Geotechnical Properties of Sediments, Paleooceanography, Paleoclimate, Scientific Drilling, Research Administration. **Recent Major Accomplishments:** (Research) Implemented new techniques to characterize marine methane hydrates and conduct high-resolution measurements of sediment cores for paleoceanographic and geologic studies; provided leadership and coordination for international research activities of the Integrated Ocean Drilling Program and ANDRILL (ANtartic geological DRILLing) Program. (Outreach) Provided coordination and direction for education and outreach activities related to international scientific drilling programs (ODP, IODP, and ANDRILL). **Representative Publications:** “New techniques

2006–2007 Honorees

in sediment core analysis: an introduction,” *New Techniques in Sediment Core Analysis*, Geological Society of London, Special Publication, 2006; “Non-invasive sediment monitoring methods: Current and future tools for high-resolution climate studies,” *Reconstructing Ocean History: A Window Into the Future*, Academic/Plenum Publishers, New York, 1999.

Representative Grants: “The JOI Alliance: Systems Integration and a Riserless Vessel for IODP”; National Science Foundation; Contract Officer’s Technical Representative, Joint Oceanographic Institutions, 2003–2013 (\$626,217,308); “In-Situ Sampling and Characterization of Naturally Occurring Marine Methane Hydrates Using the D/V JOIDES Resolution”; Department of Energy, National Energy Technology Laboratory, PI, Joint Oceanographic Institutions, 2001–2006 (\$2,171,354).



VINODCHANDRAN NARIYAM

Promoted to Associate Professor and Awarded Tenure: Computer Science and Engineering

Hired: 2001. Ph.D., Institute of Mathematical Sciences (India), 1999; M.S., Indian Institute of Technology (India), 1993. **Area of Focus:** Broad area Theoretical Computer Science. Current topic of research: Computational complexity theory and its applications to machine learning and network security. Teaches topics in theoretical computer science including Algorithms, Computational Complexity theory, and Data structures. **Recent Major Accomplishments:** (Research) PI of a current NSF grant in Theory of Computing. coPI of a NSF grant in the area of network security. Published many papers in major theory journals and conferences; (Teaching) Recipient of 2005 College Arts and Sciences Distinguished Teaching Award; (Outreach) Co-organizer of Atlantic Theory Seminar—a UNL-Iowa State joint seminar in theoretical computer science; Co-organizer of Regional Workshop in Mathematics for several years. **Representative Publications:** “Counting Complexity of Solvable Black-box Group Problems,” *SIAM Journal on Computing*, 2004; “Derandomizing Arthur-Merlin Games using Hitting Sets,” *Journal of Computational Complexity*, 2005. **Representative Grants:** “Studies in Computational Complexity Theory,” NSF, 2004–07 (\$200,000); “Secure Group Communications (SGC) over wired and wireless networks,” NSF, 2003–07 (\$349,990). **Representative Awards:** 2005 Distinguished Teaching

Award, College of Arts and Sciences, University of Nebraska–Lincoln; IFIP Working Group scholarship to attend the Eighth International Workshop on Algorithmic Learning Theory for the paper entitled “Exact Learning via Teaching assistants,” 1997.



MARY S. WILLIS

Promoted to Associate Professor and Awarded Tenure: Anthropology and Geography

Hired: 2000. Ph.D., Washington University (St. Louis), 1995; M.A., Washington University (St. Louis),

1991; B.A., San Diego State University, 1983. **Area of Focus:** Culture transitions, including dental traditions and practices, among Sudanese refugees to the US. (Teaching/Research) Dental Anthropology, Medical Anthropology, Biological Anthropology, African Refugees. **Recent Major Accomplishments:** (Research) Two-year grant and related publications to study dental traditions and extraction practices, as well as restoration, among Sudanese refugee populations to the U.S.; (Teaching) Development of Biological Anthropology Laboratory and Associated Physical Anthropology Curriculum, 2002 UNL Teaching Council Award; (Outreach) Contributions to more than 20 news media pieces about Sudanese refugee topics since 2001; four Continuing Medical Education Sessions on refugee health issues. **Representative Publications:** “Health and Related Factors for Sudanese Refugees in Nebraska,” *Journal of Immigrant and Minority Health*, 2006; “Anterior dental extractions among Dinka and Nuer refugees in the United States: a case series,” *Special Care Dentistry*, 2006. **Representative Grants:** “Anterior Dental Extraction and Restoration Among Nuer and Dinka Refugees from Sudan: A Unique Perspective on the Biology and Culture of Healing,” The Langeloth Foundation, 2004 (\$227,459); “Health Assessment of Sudanese Refugees in Nebraska,” Blueprint Project Grant, Community Health Endowment, 2001 (\$5,100). **Representative Awards:** RUNZA Spirit of Service Award, University of Nebraska–Lincoln, Student Involvement and Runza Restaurant for “Outstanding Contributions to the Community as a Faculty Member,” 2007; feature story in ‘Research’ section of *The Chronicle of Higher Education*, on refugee dental project, interviews (Katie Mangan) and photo shoot (Eli Reichman), February and March 2005.

2006–2007 Honorees



LUWEN ZHANG
**Promoted to Associate
Professor and Awarded Tenure:
School of Biological Sciences**

Hired: 2001. Ph.D., University of Kansas, 1993; M.S., Shandong Agricultural University, 1987; B.S.,

Shandong University, 1984. **Area of Focus:** Virus-host interaction; pathogenesis of human herpesviruses; host innate immunity. **Recent Major Accomplishments:** (Research) The etiology and pathogenesis of virus-associated illnesses, and has several distinct implications for understanding molecular processes central to human health and disease; (Teaching) BIOS 102: Cell Structure and Function. **Representative Publications:** “The latent membrane protein 1 of Epstein-Barr virus primes EBV latency cells for type I interferon production,” *J Biol Chem.*, 2006; “Interferon regulatory factor 7 is associated with EBV-transformed CNS lymphoma and has oncogenic properties,” *J. Virol.*, 2004. **Representative Grants:** “Oncogenic properties of interferon regulatory factor 7,” National Institute of Health, 2005-10 (\$1,449,846); “Interferon Regulatory Factor 7 and NPC, National Institute of Health, 2005-08 (\$433,100).

COLLEGE OF BUSINESS ADMINISTRATION



GWENDOLYN M. COMBS
**Promoted to Associate
Professor and Awarded Tenure:
Management**

Hired: 2000. Ph.D., University of Nebraska–Lincoln, 2000; M.B.A., Washington University (St. Louis),

1976; B.A., Wellesley College, 1974. **Area of Focus:** (Teaching) Organizational Behavior and Human Resource Management. (Research) Organizational Diversity, Pluralism, Employee Selection and Career Development. **Recent Major Accomplishments:** (Research) Published what many diversity researchers consider the first controlled study of variables that influence diversity training effectiveness. (Teaching) Developed and teaches the first and only full-semester course that explores diversity in organizations at the college of business and at UNL, which provides a framework for students to define and hone their abilities in varying pluralistic paradigms. (Outreach) Currently assisting an organizational climate change

that fosters coaching and participative performance management systems. **Representative Publications:** “Diversity training: Analysis of the impact of self-efficacy,” *Human Resource Development Quarterly*, 2007. “A tale of two cultures: Attitudes towards affirmative action in the United States and India,” *The Journal of World Business*, 2005. **Representative Grants:** “Social comparison and contact theory implications for African American managers career development,” UNL Layman Grant, 2003-2004 (\$10,000); “Course Development, Managing Diversity in Organizations,” UNL Diversity Enhancement Grant, 2001-2002 (\$5,000). **Representative Awards:** Pinnacle Bank Faculty Award, 2001.



MATTHEW J. CUSHING
**Promoted to Full Professor:
Economics**

Hired: 1992. Ph.D., University of Virginia, 1985; B.A. University of Virginia, 1977. **Area of Focus:**

Macroeconomics and time-series econometrics. **Representative Publications:** “Net Marginal Social Security Tax Rates over the Life-Cycle,” *National Tax Journal*, 2005; “The Indeterminacy of Prices under Interest Rate Pegging: The Non-Ricardian Case,” *Journal of Monetary Economics*, 1999. **Representative Grants:** “The Economic Impact of the Nebraska Early Care and Education Industry,” Nebraska Children and Family Foundation, 2006 (\$24,000); “A CGE Model of Nebraska,” Executive Board of the Nebraska State Legislature, 1998 (\$31,985). **Representative Awards:** ODE Economics Professor of the Year, Omicron Delta Epsilon Chapter 1995.



SILVANA TRIMI
**Promoted to Associate
Professor and Awarded Tenure:
Management**

Hired: 2001. Ph.D., University of Nebraska–Lincoln, 2001; M.A., University of Nebraska–Lincoln, 1996; B.S., University of Tirana (Albania), 1989.

Area of Focus: e-business/m-business (including e-government/m-government), data communications and networking; organization’s strategy, culture, and systems; and knowledge management. **Recent Major Accomplishments:** (Research) Published (included those accepted for publication) 17 refereed journal articles—7 in top-tier journals, reviewed one book, co-edited one special issue of a journal,

2006–2007 Honorees

contributed and published in three books, participated and presented in 18 national and international professional conferences. (Teaching) Nominated for CBA Distinguished Teaching Award, 2006; involved in teaching PhD, MBA, MA, Undergraduate, and Continuing Studies students and has excellent teaching evaluation; served on MA committees; guest lecturer at various universities. (Outreach) Served on department, college, and university committees; achieved a high profile in the professional field (served on five Program Committees for major professional national/international conferences and was Track Chair in three of them, served/serve as a reviewer for several journals); recipient of two UNL Layman Fund grants, 2005 and 2006, and Ethics Curriculum Grant, 2005. **Representative Publications:** “The Modernization of the Malcolm Baldrige National Quality Award,” *International Journal of Production Research*, 2006; “Current Practices of Leading e-Government Countries,” *Communications of the ACM*, 2005. **Representative Grants:** Layman Grant to expand research in the area of “M-government: technologies, applications, trends, and challenges,” 2006-2007 (\$9,200); Layman Grant to expand research in the area of “Value Networked Organization and Business Webs,” 2004-2005 (\$9,265). **Representative Awards:** Nominated for 2006/2007 College of Business Administration Distinguished Teaching Award, University of Nebraska–Lincoln, 2006.

COLLEGE OF EDUCATION AND HUMAN SCIENCES



TIMOTHY P. CARR
Promoted to Full Professor:
Nutrition and Health Sciences

Hired: 1996. Ph.D., University of Arizona, 1989; M.S., University of Arizona, 1985; B.S., California Polytechnic State

University–San Luis Obispo, 1980. **Area of Focus:** (Research) Cholesterol, diet, and heart disease; (Teaching) Nutrient metabolism. **Recent Major Accomplishments:** (Research) Identified how specific dietary components regulate gene expression of cellular cholesterol transporters. Developed food-based compounds that inhibit cholesterol absorption (patent pending). (Teaching) Author of nutrition textbook, *Discovering Nutrition*, Blackwell Science Ltd., Oxford, 2003. **Representative Publications:**

“Food components that reduce cholesterol absorption,” *Advances in Food and Nutrition Research*, 2006; “Reduction in cholesterol absorption is enhanced by stearate-enriched plant sterol esters in hamsters,” *Journal of Nutrition*, 2006. **Representative Grants:** “Purification process influences on structural and nutritional function of grain sorghum lipids,” United States Department of Agriculture, National Research Initiative Competitive Grants Program, 2004–07 (\$338,000); “Cholesterol-lowering plant sterol esters in normo- and hyper-cholesterolemic humans,” Beef Products Inc., 2006–07 (\$500,000). **Representative Awards:** Donald R. and Mary Lee Swanson Award for Excellence in Teaching, College of Education and Human Sciences, University of Nebraska; Excellence in Research Award, Agricultural Research Division, University of Nebraska.



EDWARD DALY III
Promoted to Full Professor:
Educational Psychology

Hired: 2002. Ph.D., Syracuse University, 1992; M.S., Syracuse University, 1990; B.A., Gannon University, 1985. **Area of Focus:**

Application of principles of functional assessment to instruction within the framework of applied behavior analysis. **Recent Major Accomplishments:** (Research) Was appointed in 2006 as editor-elect of *The Journal of School Psychology*, one of the premiere journals in the field, and will serve as editor for a 3-year term. (Teaching) Through a Leadership grant with the US Department of Education, has been leading training in a doctoral specialization in the area of Response-to-Intervention (RtI) to six doctoral students in the school psychology program. With co-Principal Investigator, Dr. McCurdy, has augmented students’ training to provide them with greater knowledge, skills, research, and applied training experiences in RtI. (Outreach) Is working with the Nebraska Department of Education and schools and Educational Service Units across the state to develop and implement Response-to-Intervention as an alternative method for identifying learning disabilities in children. **Representative Publications:** *Interventions for reading problems: Designing and evaluating effective strategies*. New York: Guilford Press, 2005; “Refining the experimental analysis of academic skill deficits, Part II: An Investigation of the use of brief experimental analysis for identifying reading fluency interventions,” *Journal of Applied Behavior Analysis*, 2006. **Representative Grants:** “Proposal to establish a state-wide response-

2006–2007 Honorees

to-intervention consortium for training and evaluation,” Nebraska Department of Education, 2006 (\$1,232,553); “School psychology leadership specialization in response-to-intervention research and systems change,” U. S. Department of Education, 2004 (\$800,000). **Representative Awards:** as a Fellow of Division 16 of the American Psychological Association, 2006; elected to the *Society for the Study of School Psychology*, 2003.



DAVID FOWLER
Promoted to Full Professor:
Teaching, Learning and Teacher Education

Hired: 1987. Ph.D., University of Nebraska, 1991; M.Ed., University of Nebraska, 1988;

University of California at Berkeley, 1969; A.B., Harvard College, 1962. **Area of Focus:** Mathematics education; instructional technology. **Representative Publications:** “Fractal dimension and musical complexity. From Bach to the Blues” in *Challenging the Boundaries of Symbolic Computation*, Proceedings of the Fifth International Mathematica Symposium, London: World Scientific Press, 2003; “Patterns of Computer Use Among Taipei and Shanghai Students,” Proceedings of the Society for Information Technology and Teacher Education International Conference 2003.



GEORGIA JONES
Promoted to Associate Professor and Awarded Tenure:
Nutrition and Health Sciences

Hired: 2001. Ph.D., Alabama A&M University, 1996; M.S., University of Nebraska–Lincoln, 1985; B.S.,

University of Tennessee–Knoxville, 1982. **Area of Focus:** Food literacy—what Nebraskans know about food and what they need to know to maintain health. **Recent Major Accomplishments:** (Outreach) Development of a new 4-H foods curriculum, Fast Foods; Co-leader for the food literacy work group; Development of SNACK (Summer Nutrition Activities for Community Kids), a program to assist limited resource children develop healthy habits. **Representative Publications:** Fast Foods, a 4-H foods curriculum; “Aromatic compounds in three varieties of turnip greens harvested at three maturity levels,” *J Food Qual.*, 2007. **Representative Grants:** The use of *Sisters Together: Move More, Eat Better* project as a method to improve the health status of

African American women,” University of Nebraska Minority Health Grant, 2002; “Development of Fast Foods,” University of Nebraska–Lincoln Extension, 2004 (\$10,000). **Representative Awards:** Nebraska Cooperative Extension Association, Outstanding New Specialist Award, 2005; Girls and Women in Sports and Fitness, Community Achiever, 2004.



YAN RUTH XIA
Promoted to Associate Professor and Awarded Tenure:
Child, Youth, and Family Studies

Hired: 2001. Ph.D., University of Nebraska–Lincoln, 2000; M.S.,

University of Nebraska–Lincoln, 1999; M.A., South China Normal University, 1988; B.A., Hebei University (China), 1982. **Areas of Focus:** Immigrant youth and families, Chinese families, youth behavioral health, and program design and evaluation. **Recent Major Accomplishments:** (Research) Research with Chinese immigrant families is published as an exemplar in the *Sourcebook of Family Theory and Research*, a highly regarded resource by family science professionals and a textbook used by many family studies programs across the nation. Contributed to the understanding of New Americans through publishing over 15 refereed journal articles and book chapters. (Teaching) Significant contributions include building cutting-edge issues into the curriculum through creating two new courses (Program Design, Implementation and Evaluation, and Immigrant Families), and mentoring 27 master and doctorate students as adviser. (Outreach) Member of the Editorial Board of *Family and Marriage Review*, one of the top journals in the field, and invited as Research Scientist of the Center for Family Studies and the Center for Youth Studies of Shanghai Academy of Social Sciences, P.R. China. As a consultant and/or program evaluator, helps Asian Community and Cultural Center and Nebraska CYFAR project (Children, Youth, and Family At Risk) secure thousands of dollars of grants to provide services for the at-risk populations. **Representative Publications:** “Case Study: Resiliency in immigrant families,” in *Sourcebook of Family Theory and Research*, Chapter 4: “Explanation of family change: A family demographic perspective,” 2005; “Chinese adolescents’ decision-making, parent-adolescent communication and relationship,” *Marriage and Family Review*, 2004. **Representative Grants:** Only external contacts and internal grants. **Representative Awards:** Nominated for Dinsdale Family Faculty Award, University of

2006–2007 Honorees

Nebraska–Lincoln, 2006; Fulbright Scholar, U.S. Fulbright Foundation, Shanghai Foreign Language Institute, Shanghai, P.R. China, 1984.

COLLEGE OF ENGINEERING



FLORIN BOBARU
Promoted to Associate Professor and Awarded Tenure: Engineering Mechanics

Hired: 2001. Ph.D., Cornell University, 2001; M.S., University of Bucharest (Romania), 1997; B.S.,

University of Bucharest (Romania), 1995. **Area of Focus:** Computational modeling of damage/failure in materials/structures; optimal shape/material design; multiscale methods for modeling of biological and nano-structured materials. **Recent Major Accomplishments:** (Research) Over \$500,000 in external grants and contracts from ARL, Sandia, Boeing, NASA; graduated four M.S. students, currently advising three Ph.D., two M.S. and one post-doctoral research associate. (Teaching) Introduced a new course ENGM 488/888 Nonlinear Optimization in Engineering; responsible for seven-fold increase in enrollment in ENGM 480/880 Numerical Methods in Engineering; (Outreach) Main organizer for seven symposia at major national and international congresses such as International Mechanical Engineering Congress, World Congress on Computational Mechanics, etc.; reviewed papers for 18 different scientific journals. **Representative Publications:** “Influence of van der Waals forces on increasing the strength and toughness in dynamic fracture of nanofiber networks: a peridynamic approach,” *Modeling and Simulation in Materials Science and Engineering*, 2007; “E(FG)2: a new fixed-grid shape optimization method based on the element-free Galerkin meshfree analysis,” *Structural and Multidisciplinary Optimization*, 2006. **Representative Grants:** “Adaptive refinement in Peridynamics for fracture in composite plates,” Sandia/Boeing, 2006 (\$203,056); “Modeling of granular materials interaction with vibrating plates for acoustic mine detection,” ARL, 2004 (\$142,500). **Representative Awards:** The Henry Y. Kleinkauf Family Distinguished New Faculty Teaching Award, College of Engineering, UNL, 2004; Summer Research Fellow, Computer Science Research Institute, Sandia National Laboratories, 2002–2004.



BRUCE A. FISCHER
Promoted to Associate Professor and Awarded Tenure: Construction Management

Hired: 2001. M.Arch., University of Nebraska–Lincoln, 1982; B.S., University of Nebraska–Lincoln,

1979. **Area of Focus:** Construction Materials and Building Code Compliance. **Recent Major Accomplishments:** (Research) Development of a “Fast-Track Permitting Process” designed specifically for Design-Build construction projects; (Teaching) Developed two new building code compliance classes, one for our undergraduate degree and one for our graduate program; (Outreach) Provide presentations on Building Code Compliance issues to various architectural and engineering design firms and construction companies. **Representative Publications:** “Student Perspectives on the Qualities/Behaviors of Faculty that Contribute Most Significantly to Student Learning,” *International Journal of Construction Education and Research*, 2006; “Performance Based Contracting for Highway Construction and Maintenance,” *Journal of American Institute of Constructors*, 2006. **Representative Grants:** “Psychological, Physiological, Emotional, and Behavioral Approaches to Understanding the Development of Self-Regulation,” A UNL strategic Research Cluster Planning Grant Proposal, 2005 (\$50,000); “Greening the Curriculum: Ecological Literacy in the Built Environment,” UNL Initiative for Teaching and Learning Excellence Grant, 2005 (\$25,000). **Representative Awards:** Certificate of Recognition for Contributions to Students, Parents Association and The Teaching Council of the University of Nebraska–Lincoln, 2006; Associated Schools of Construction National Teaching Award, 2005.



WAYNE G. JENSEN
Promoted to Associate Professor and Awarded Tenure: Construction Management

Hired: 2001. Ph.D., University of Wyoming, 2001; M.S., University of Wyoming, 1998; M.S., University

of Southern California, 1983; M.S., 1975, University of Nebraska–Lincoln; B.S., 1973, University of Nebraska–Lincoln. **Area of Focus:** (Research) Asphalt/concrete pavement design/performance/problems, residual materials; pavements/subgrades, performance incentives for contractors, construction

2006–2007 Honorees

equipment management, sustainable construction; (Teaching) Horizontal and vertical construction planning/methods/procedures; concrete and soil materials testing/procedures. **Recent Major Accomplishments:** (Research) Received funding for two research proposals in FY 2008 from the Nebraska Department of Roads for mechanically stabilized earth walls and compaction testing; (Teaching) Received the Distinguished Teaching Award for new faculty from the College of Engineering in 2007.

Representative Publications: “Student Perspectives on the Qualities/Behaviors of Faculty that Contribute Most Significantly to Student Learning,” *International Journal of Construction Education and Research*, 2006; “Performance Based Contracting for Highway Construction and Maintenance” *The American Professional Constructor*, 2006. **Representative Grants:** “Development of a Performance Incentive Program,” Nebraska Department of Roads, 2007 (\$30,108); “Use of Crumb Rubber in Performance Graded Binder” awarded by Nebraska Department of Road, 2006-07 (\$82,982).



JEFFREY SHIELD Promoted to Full Professor: Mechanical Engineering

Hired: 2001. Ph.D., Iowa State University, 1992; B.S., South Dakota School of Mines and Technology, 1987. **Area of**

Focus: Research interests materials science and engineering, particularly the development of new alloys and processing techniques. **Recent Major Accomplishments:** (Research) Author or co-author of 75 publications and 3 patents; (Teaching) Awarded Department Teaching Award and the Pi Tau Sigma Gold Key Award. **Representative Publications:** “In-cluster-structured exchange-coupled magnets with high energy densities,” *Appl. Phys. Lett.*, 2006; “Phase Formation and Magnetic Properties of SmCo_{5+x} Alloys with the TbCu_7 -type Structure,” *J. Magn. Magn. Mater.*, 2004. **Representative Grants:** National Science Foundation, “The Effect of Long-Range Dumbbell Ordering on the Properties and Microstructures of Rare Earth Permanent Magnets,” PI (\$340,000); National Science Foundation, “Collaborative Research: The Magnetic Properties of Disordered Rare-Earth Nanostructures,” co-PI (D.L. Pelecky, PI) (\$420,000). **Representative Awards:** Outstanding Recent Graduate Award, South Dakota School of Mines and Technology, 1997; Pi Tau Sigma Gold Key Award.



LEEN-KIAT SOH Promoted to Associate Professor and Awarded Tenure: Computer Science and Engineering

Hired: 2001. B.S., University of Kansas, 1991; M.S., University of

Kansas, 1993; Ph.D., University of Kansas, 1998. **Area of Focus:** Multiagent systems, distributed intelligence, computer-aided education, hydrology, computer science education. **Recent Major Accomplishments:** (Research) PI or Co-PI for more than \$1 million in external funding from National Science Foundation and Microsoft Research; Best paper award at the 2006 International Conference on Computers in Education; the development of the I-MINDS software, a computer-supported collaborative learning environment; (Teaching) Conducted studies in how information technology and intelligent software impact teaching and learning; co-led the Reinventing CS Curriculum Project at the Department of Computer Science and Education at UNL; (Outreach) Faculty adviser for the UNL ACM student chapter, faculty adviser for the UNL Malaysian Student Association (NUMSA). **Representative Publications:** “A Real-Time Negotiation Model and A Multi-Agent Sensor Network Implementation,” *Journal of Autonomous Agents and Multi-Agent Systems*, 2005; “An Integrated Framework for Improved Computer Science Education: Strategies, Implementations, and Results,” *Computer Science Education*, 2007. **Representative Grants:** “Building Knowledge Discovery and Information Fusion Tools for Collaborative Systems to Adaptively Manage Uncertain Hydrological Resources,” National Science Foundation (NSF) Integrated Intelligent Systems (IIS) Program, (Co-PI, with PI Samal), 2006 (\$552,710); “CXP+I-MINDS: Deployment and Evaluation over Wireless Networks,” Microsoft Research, (PI), 2006 (\$88,460). **Representative Awards:** Harold and Esther Edgerton Junior Faculty Award, University of Nebraska, 2003; Distinguished Teaching Award, College of Arts and Sciences, University of Nebraska, 2006.



TIAN C. ZHANG Promoted to Full Professor: Civil Engineering

Hired: 1994. Ph.D., University of Cincinnati, 1994; M.S., Tsinghua University, 1985; B.S., Wuhan Polytechnic University, 1982. **Area**

of Focus: (Research) Remediation, water/wastewater

2006–2007 Honorees

treatment, pollution control technology; (Teaching) Water and wastewater treatment, biodegradation of hazardous wastes. **Recent Major Accomplishments:** (Research) Fundamental studies on zero-valent iron processes for remediation; (Teaching) Development of two new courses in environmental engineering; (Outreach) Services to local communities about their on-site wastewater treatment systems. **Representative Publications:** "Profiling iron corrosion coating on iron grains in a zero-valent iron system under the influence of dissolved oxygen," *Water Research*, 2006; "Quantification of oxygen release by bulrush roots in a construction treatment wetland," *Biotechnology & Bioengineering*, 2005. **Representative Grants:** "Managing Soil and Water Contamination Using Innovative Predictive and Remedial Treatment Technologies," USEPA/EPSCoR, 2002-06 (\$410,292); "Environmental Processes for Accelerated Bioremediation of Xenobiotic Contaminants in Soil and Water," NSF/EPSCoR, 1996-98 (\$432,752). **Representative Awards:** College of Engineering and Technology Faculty Research Award, UNL, 1999; *Journal of Environmental Engineering's* Editor Award for Service, ASCE, 2004.

HIKSON-LIED COLLEGE OF FINE AND PERFORMING ARTS



CAROLYN BARBER

**Awarded Tenure:
School of Music**

Hired: 2001. D.M., Northwestern University, 1995; M.M., Yale University, 1992; B.M., Northwestern University, 1990. **Area of Focus:**

Wind band conducting and literature. **Recent Major Accomplishments:** (Research) Invited to conduct the Southern Illinois University Wind Ensemble (Carbondale, Illinois), the TMEA Region V All-Region Honor Band (Ft. Worth, Texas), the NYSSMA Area All State Concert Band (Ithaca, New York), and the United States Navy Atlantic Fleet Band (Norfolk, Virginia). Invited via national competitive process to present literature and conducting pedagogy clinics at The Midwest Clinic (2003, 2006), and the College Band Directors National Association Conference (2003, 2006). (Teaching) UNL Wind Ensemble received blind, peer-reviewed invitations to perform at the CBDNA North Central Division Conference (Cincinnati, Ohio 2004), the ISME Conference (Kuala Lumpur, Malaysia

2006), and the MENC North Central Divisional Conference (Lincoln, Nebraska 2006). (Outreach) Currently serving as secretary/treasurer—Phi Beta Mu International School Bandmasters Fraternity, Nebraska State Chair—National Band Association, Band Music Reviewer—Nebraska Music Educators Association *Teaching Music* magazine, and one of eight representatives to the national CBDNA "New Era Task Force." Other service includes directing the annual UNL Winter Festival for Winds and Percussion (a 3-day honors performance experience for high school juniors and seniors) and the annual UNL Middle School Summer Band Camp. **Representative Publications:** "An Analysis of Claude T. Smith's *Eternal Father, Strong to Save*," *Teaching Music through Performance in Band*, volume 6, Chicago: GIA Publications, 2006; "An Introduction to Reynaldo Hahn's *Le Bal de Beatrice d'Este*," *Journal of Band Research*, 2000. **Representative Awards:** Hixson-Lied College of Fine and Performing Arts Distinguished Teaching Award, 2005; UNL Teaching Council and Parents Association Certificate of Recognition for Contributions to Students, 2007.



DIANE BARGER

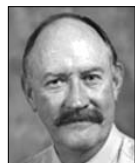
**Promoted to Full Professor:
School of Music**

Hired: 1994. D.M., Florida State University, 1999; Graduate Certificate in Performance, Northwestern University, 1990;

M.M., Northwestern University, 1989; B.M., Florida State University, 1988. **Area of Focus:** Clarinet performance, pedagogy and chamber music. **Recent Major Accomplishments:** (Research) Peer-reviewed invitations to perform in international conferences in Spain (2005), Japan (2005) and Australia (2004) and at national conferences in Georgia (2006), Canada (2005) and Washington, D.C. (2005). Grants awarded for my specialization in Vincenzo Bellini operatic fantasies for clarinet. (Teaching) Student achievements include Honorable Mention winners of the International Clarinet Association's annual Orchestral Repertoire Competition (2004), First-place winners of the Music Teacher's National Association Young Artist Competition (2006, 2003, 2002, 2000), and placement in college teaching positions or military bands around the country (Pennsylvania, Nebraska, Texas, Georgia and Minnesota). (Outreach) Treasurer of the International Clarinet Association (2004-present); host of UNL's annual Midwest ClariFest (for junior high through college-aged clarinetists, band

2006–2007 Honorees

directors and teachers); master classes at universities and high schools across the nation (Colorado, Missouri, Nebraska, South Dakota, Florida, Illinois, Iowa, Kansas and Texas). **Representative Recordings:** Moran Quintet “Music of Theodor Blumer, part II,” Crystal Records compact disc, 2004; Moran Quintet “Postcards from the Center,” Crystal Records compact disc, 1998. **Representative Grants:** Hixson-Lied CF&PA Travel Grant (with the Moran Quintet), 2005 (\$7,000); Hixson-Lied CF&PA Faculty Research Grant, 2004 (\$2,800). **Representative Awards:** Hixson-Lied College CF&PA Distinguished Teaching Award, 2001; International Clarinet Association CD Recording Project Winner, 1998.



RON BARTELS

**Promoted to Full Professor:
Art and Art History**

Hired: 1989. M.F.A., California Institute of the Arts, 1972; B.F.A., Kansas City Art Institute, 1970.

Area of Focus: Client-sponsored

‘green’ graphic design; Experimental lenticular video art prints. **Recent Major Accomplishments:** (Research) “14th International Juried Print Biennial,” SUMEI Multidisciplinary Arts Center, New York, NY, “Another Viewpoint” lenticular video print, 2006; “Hong Kong Poster Triennial 2004,” Hong Kong Heritage Museum for Industry, Hong Kong, China; “New York Twin Towers: We Remember” gleece polyester print. (Teaching) Integration of digital graphic design visual decision-making process into core curricula; ‘Camp Macintosh’ graphic design summer workshops. (Outreach) E-Ethanol Energy, LLC, biofuel identification, Adams NE; Nebraska Center for Sustainable Communities graphic identity design for print communication materials, Omaha, NE. **Representative Publications:** “New Generations 2005” international exhibition and catalogue, SangMyung University, Republic of Korea; LAX: *The Los Angeles Experiment*, New York: Lumen Books, 1996. **Representative Grants:** Digital video workstation and print equipment to advance lenticular lens print development, 2002 (\$5,600); UNL Foundation CLIPs (Cooperative Laboratory for Imaging and Production) joint grant College of Architecture and HLCFPA, 1998 (\$47,000).



GRETCHEN C. FOLEY

**Promoted to Associate
Professor and Awarded Tenure:
School of Music**

Hired: 2001. Ph.D., The University of Western Ontario, 1999; B.Mus. and B.Mus.Ed. (conjoint degrees),

Memorial University of Newfoundland, 1984. **Area of Focus:** Music Theory—George Perle’s theory of Twelve-Tone Tonality; theory pedagogy; analysis for performance. **Recent Major Accomplishments:** (Research) During probationary period at UNL: 7 articles published in premier theory journals, 22 conference presentations (5 international, 6 national, 11 international). (Teaching) Recipient of Distinguished Teaching Award (2007) for the Hixson-Lied College of Fine and Performing Arts; recipient of Certificate of Recognition for Contributions to Students (2005), UNL Parents Association and UNL Teaching Council. (Outreach) Organizer of Brahms Symposium, the academic piece of the Chiara String Quartet’s year-long concert series on Brahms—“Love, Life, Spirit”; Reader for the College Board’s Advanced Placement Examinations in Music Theory. **Representative Publications:** “Sum Squares and Pentagrams: Two New Tools for Perleian Analysis,” *Theory and Practice*, 2007; “Computer-Assisted Analysis of Music in Perle’s System of Twelve-Tone Tonality” (co-authored with Dr. Charles Cusack), *Computer Music Journal*, 2006. **Representative Awards:** Distinguished Teaching Award, UNL Hixson-Lied College of Fine and Performing Arts, 2007; Certificate of Recognition for Contributions to Students, UNL Parents Association and UNL Teaching Council, 2005.



RHONDA J. VIETH FUELBERTH

**Promoted to Associate
Professor and Awarded Tenure:
School of Music**

Hired: 2001. Interdisciplinary Ph.D., University of Missouri, Kansas

City—Conservatory of Music, 2001; M.M., University of Nebraska—Lincoln, 1997; BFAE Wayne State College (Nebraska), 1991. **Area of Focus:** Choral music education, choral conducting and teaching, music for special populations. **Recent Major Accomplishments:** (Research) “Conducting gesture and vocal health: Exploring relationships,” paper presented at the 27th World Conference of the International Society for

2006–2007 Honorees

Music Education, Kuala Lumpur, Malaysia, 2006; University Chorale appearance, MENC National In-Service Conference/Clinic, Salt Lake City, UT, 2006; (Teaching) Recent launching of the first online course offered in the School of Music entitled “Inclusive Music Education”; Involved in revision and proposed relocation of the doctoral program, a Ph.D. in Music with a Concentration in Music Education; (Outreach) President-elect, Nebraska Chorale Directors Association, 2005-present; North Central American Choral Directors Association Board Representative, 2005-present. **Representative Publications:** “The effect of various left-hand conducting gestures on perceptions of anticipated tension in singers,” *International Journal of Research in Choral Singing*, 2004; “The effect of left hand conducting gesture on inappropriate vocal tension in individual singers,” *Bulletin of the Council for Research in Music Education*, 2003. **Representative Grants:** Hixson-Lied Research Travel Grant, Paper presentation, ISME, Kuala Lumpur, Malaysia, 2006 (\$1700); Hixson-Lied Research Travel Grant, Paper presentation, National MENC, Minneapolis, MN, 2004 (\$700). **Representative Awards:** UNL Teaching Council Certificate of Recognition for Contributions to Students, 2005; UNL Mortar Board Society, People Who Inspire Award, 2003.



PETER J. PINNELL
Promoted to Full Professor:
Art and Art History

Hired: 1995. M.F.A., University of Colorado-Boulder, 1982; BFA, New York State College of Ceramics (Alfred), 1980; B.A., Columbia College (Missouri), 1976. **Area of Focus:** Teaching undergraduate and graduate students in ceramic art. **Recent Major Accomplishments:** (Research) 17 exhibitions in 2006, including a one-person show at Hood College, Frederick Maryland; (Teaching) Developed two major new courses in 2004; (Outreach) Panel Moderator at the NCECA (National Council on Education in the Ceramic Arts) Conference in Louisville Kentucky in March, 2007. **Representative Publications:** Columnist, *Clay Times Magazine*; Technical Advisor, *Ceramics Monthly Magazine*. **Representative Grants:** Hixson-Lied Research Travel Grant, 2008 (\$800); Hixson-Lied Research Travel Grant, 2006 (\$650).



BRENDA WRISTEN
Promoted to Associate
Professor and Awarded Tenure:
School of Music

Hired: 2001. Ph.D., Texas Tech University, 1998; M.M., Texas Tech University, 1995; B.A. Lubbock

Christian University, 1993. **Area of Focus:** (Teaching) Piano pedagogy and piano; (Research) Music-related Injuries, Biomechanics and Ergonomics of Piano Technique, 7/8 Size Piano Keyboard. **Recent Major Accomplishments:** (Research) Collaborative research on the ergonomics of the 7/8 Piano and Small-handed pianists with Dr. Susan Hallbeck, UNL Dept of Industrial and Management Systems Engineering, resulting in multiple publications in peer-reviewed journals and recognized by Discoveries and Breakthroughs Inside Science award. (Teaching) UCARE student Alexis Wiser won a National Science Foundation Fellowship for Graduate Study, 2006; Graduate Teaching Assistant Jennifer Donnellson selected as Hixson-Lied Teaching Assistant of the year, 2007. (Outreach) Founded and continue to offer the Community Piano Experience, program offering group piano instruction for adults in the community who wish to play recreationally. **Representative Publications:** “Assessment of Muscle Activity and Joint Angles in Small-Handed Pianists: A Pilot Study on the 7/8 Size Keyboard versus the Full-sized Keyboard,” *Medical Problems of Performing Artists*, 2006; “Demographics and Motivation of Adult Group Piano Students,” *Music Education Research*, 2006. **Representative Grants:** “Electromyographic Assessment of Muscle Activity In Small-Handed Pianists: The 7/8 Size Keyboard Versus the Conventional Keyboard,” Interdisciplinary Grant, UNL Research Council, 2005 (\$20,000); “Electromyographic Study of Muscle Activity in Small-Handed Pianists: The 7/8 Size Keyboard Versus the Conventional Keyboard,” Hixson-Lied Faculty Research Grant, 2005 (\$5000). **Representative Awards:** Human Factors and Ergonomics Society/ American Institute of Physics, Discoveries and Breakthroughs Inside Science, 2005.

2006–2007 Honorees

COLLEGE OF JOURNALISM AND MASS COMMUNICATIONS



LAURIE THOMAS LEE
Promoted to Full Professor:
Broadcasting

Hired: 1994. Ph.D., Michigan State University; M.A., University of Iowa; B.S., Kearney State College. **Area of Focus:** Telecommunications law,

Internet privacy, media economics, television and video production, radio/audio production. **Recent Major Accomplishments:** (Research) Book chapters and journal articles on privacy and telecommunications, papers and presentations at national and international conferences. (Teaching) Distance education courses in cable telecommunications, taught 12 different courses at the undergraduate and graduate level and a total of approximately 85 classes at UNL. (Outreach) Service on the boards of ACLU Nebraska, Cable Television Advisory Board (Lincoln), National Cable Telecommunications Association (NCTA), Academic Freedom Coalition of Nebraska (AFCON), Association for Education in Journalism and Mass Communications (AEJMC). **Representative Publications:** "Digital Media Technology and Privacy," *Communication Technology and Social Change*, LEA, 2007; "The USA Patriot Act and Telecommunications: Privacy Under Attack," *Rutgers Computer & Technology Law Journal*, Vol. 29, No. 2, 2003. **Representative Grants:** Research grant from the National Association of Broadcasters (NAB) for a study titled "Internet Users and Content Providers: Predictors of Success for Broadcast Stations," 1995-1996 (\$3,600); Hitchcock Faculty Summer Fellowship, University of Nebraska-Lincoln, College of Journalism and Mass Communication, Summer 1997 (1/2 summer compensation support). **Representative Awards:** Top Division Paper, Association for Education in Journalism and Mass Communications (AEJMC) (over several years); Certificate of Recognition for Contribution to Students, UNL Parents Association.

LAW



SANDRA B. PLACZEK
Promoted to Full Professor:
Law

Hired: 1998. B.A., University of Nebraska-Lincoln, 1986; J.D., Creighton University School of Law, 1993; M.L.I.S., University of

Texas-Austin, 1995. **Area of Focus:** Legal reference and research. **Recent Major Accomplishments:** (Research) Contribution of Nebraska Chapter in *Prestatehood Legal Materials*, published by Haworth Press, 2005; (Teaching) Teach a section of legal research to first year law students. Also work with individual professors both within and outside of the law college to teach sessions on legal research in specific legal areas; (Outreach) Worked with the Nebraska Library Commission to offer basic legal reference workshops to non-law librarians. Presented a session at the annual convention of the American Association of Law Librarians based on those workshops in July, 2005. **Representative Publications:** Nebraska chapter in *Prestatehood Legal Materials*, published by Haworth Press, late 2005.

UNIVERSITY LIBRARIES



JEANETTA DRUEKE
Promoted to Full Professor:
Research and Instructional Services

Hired: 1988. M.L.S., University of Illinois, 1975; B.A., Southern Illinois University, 1972. **Area of**

Focus: Identifying Great Plains resources, researching nonprofits, and exploring use of digitized text. **Recent Major Accomplishments:** (Research) One of six contributors to a forthcoming book *Prairies and Plains: a Reference Guide*, edited by Robert Balay; (Teaching) Initiated and co-chaired a committee that reviewed and made recommendations on all aspects of general reference services with implementation

2006–2007 Honorees

ongoing, 2004-; (Outreach) Served on the Board of the Nebraska Center for the Book and co-developed its website. **Representative Publications:** “Researching Local Organizations: Simple Strategies for Building Social Capital,” *Reference and User Services Quarterly*, 2006; “St. Osmund’s New Legacy: The Scriptorium Informs the Electronic Text Center,” *Libraries and Culture*, 2001. **Representative Awards:** American Library Association Library Instruction Round Table. Twenty Best Articles in Library Instruction, 1992, 1997; CAMRE Award presented by Association for Classified Library Personnel for “contributing to an atmosphere of mutual respect” at the UNL Libraries, 2005.



ELAINE NOWICK
**Promoted to Full Professor:
Research and Information
Services**

Hired: 1995. BA, University of Colorado, 1971; MS, Colorado State University, 1974; PhD, Iowa State University, 1980; MLS, Emporia State, 1995.

Area of Focus: Information organization and access on the Internet. **Recent Major Accomplishments:** (Research) In cooperation with other researchers, developed a model search engine that can seamlessly link user’s vernacular keyword searches to controlled vocabulary descriptions of information resources; (Service & Outreach) Developed a Web-based guide to historical common names of plants of the Great Plains. **Representative Publications:** “A model search engine based on cluster analysis of user search terms,” *Library Philosophy and Practice Spring*, 2005; “Libraries stuck in the middle: Reactive vs. proactive responses to the science journal crisis,” *Issues in Science and Technology Librarianship*, Winter 2004. **Representative Grants:** Project Planning Proposal for A National Electronic Learning Center for Animal Agriculture Water Quality Issues, USDA-ARS, National Agricultural Library (NAL), 2004 (\$7,800); General Services Administration Grant, “Excellence in Water Quality” to establish an AgNIC Homepage for Water Quality, 1997 (\$497,112). **Representative Awards:** AgNIC Executive Board 1998-2002, chair-elect 1999-2000, chair 2000-01, past-chair 2001-02; Nebraska Sigma Xi Outstanding Science Librarian Award 1999 with Kate Adams for service to Distance Education students in science.



BRIAN L. PYTLÍK ZILLIG
**Promoted to Associate
Professor and Awarded Tenure:
Center for Digital Research in
the Humanities**

Hired: 2001. M.L.S., Emporia State University, 1999; M.P.A., University

of Nebraska at Omaha, 1996; B.A., University of Nebraska–Lincoln, 1985. **Area of Focus:** Text analysis, visualization of data, and scalable vector graphics.

Recent Major Accomplishments: (Research) Created TokenX (<http://tokenx.unl.edu>) a web application for text visualization, analysis, and play. The program was licensed by the University of Nebraska–Lincoln in October 2005. **Representative Publications:** “The Last Few American Indian Treaties—An Extension of the Charles J. Kappler Indian Affairs: Laws and Treaties Internet Site at the Oklahoma State University,” *Library Collections, Acquisitions, and Technical Services*, 2006; “Ordering Chaos: An Integrated Finding Aid and Online Archive of Walt Whitman’s Poetry Manuscripts,” *Literary and Linguistic Computing*, 2005. **Representative Grants:** “New Tools for Humanities Research: A Prototypical Application of TokenX on the *Willa Cather Archive*,” UNL Arts and Humanities Enhancement Fund Award funds, 2006 (\$7,500); “Yorùbá Proverbs Digital Pilot Project,” UNL Layman Award funds, 2003 (\$4,700). **Representative Awards:** C.F.W. Coker Award, Society of American Archivists, presented to the Walt Whitman Archive Integrated Guide Team, 2006.

GRADUATE STUDIES



LAURIE BELLWS
**Promoted to Full Professor of
Practice**

Hired: 1994. Ph.D., University of Nebraska–Lincoln, 1994; M.S., University of Nebraska–Lincoln, 1984; B.S., Kearney State College,

1975. **Area of Focus:** Develops, leads and assesses programs, services and resources for graduate students’ professional development. **Recent Major Accomplishments:** (Teaching) Created the graduate student development program which provides a broader array of development activities for graduate

2006–2007 Honorees

students, thereby strengthening graduate education at UNL; restructured the McNair Scholars Program, set high expectations for scholars and staff, and created an effective learning community where scholars succeed. (Research) Assessed the level of training doctoral students were receiving in responsible conduct of research; results of the RCR assessment led to the development of a graduate credit course in the responsible conduct of research; surveyed the prevalence and quality of mentoring relationships between graduate students and faculty at UNL. Results of the mentoring assessment led to the development of two mentoring handbooks (one for graduate students and one for faculty mentors). **Representative Publications:** “Graduate student professional development: Defining the field,” *Journal of Graduate Student Professional Development*, (in press); “What graduate students want: Assessing the academic and professional needs of masters and doctoral students,” in *To Improve The Academy: Vol. 23. Resources For Faculty, Instructional and Organizational Development*, Bolton, MA: Anker Publishing Co., 2005. **Representative Grants:** “Ronald E. McNair Postbaccalaureate Achievement Program,” Grant proposal (under review), University of Nebraska–Lincoln, 2008-11 (requested \$900,000); “Creating an Interactive DVD to Enhance TA Training,” University of Nebraska–Lincoln, Initiative for Excellence in Teaching and Learning Grant Program, 2005 (\$22,500).

INSTITUTE OF AGRICULTURE AND NATURAL RESOURCES



VIACHESLAV I. ADAMCHUK
Promoted to Associate Professor and Awarded Tenure: Biological Systems Engineering

Hired: 2000. Ph.D., Purdue University, 2000; M.S., Purdue University, 1998; B.S., National

Agricultural University of Ukraine, 1996. **Area of Focus:** Development of precision agriculture technologies and management practices (20% teaching, 50% research, and 30% extension). **Recent Major Accomplishments:** (Research) Developed several sensor platforms allowing on-the-go mapping of spatially variable soil characteristics; (Teaching)

Established undergraduate, graduate and distance learning programs focused on site-specific crop management; (Extension) Implemented precision agriculture curriculum for statewide producers, crop consultants and agribusiness representatives. **Representative Publications:** “Analysis of variability in automated soil pH measurements,” *Applied Engineering in Agriculture*, 2006; “On-the-go soil sensors for precision agriculture,” *Computers and Electronics in Agriculture*, 2004. **Representative Grants:** “Robotics and GPS/GIS in 4-H: workplace skills for the 21st century,” NSF (National Science Foundation) / ITEST (Information Technology Experiences for Students and Teachers), 2006-09 (\$864,139); “Thematic soil mapping and crop-based strategies for site-specific management,” USDA (United States Department of Agriculture) / CSREES (Cooperative State Research, Education, and Extension Service) / AGPT (Application of Geospatial and Precision Technologies), 2001-06 (\$1,025,000). **Representative Awards:** Superior Paper Award, ASAE (American Society of Agricultural Engineers), 2002; Dinsdale Family Faculty Award, University of Nebraska–Lincoln, 2002. **IANR Program Impact:** University of Nebraska–Lincoln’s Precision Agriculture Workshops introduce participants to different technologies and agronomic principles involved in precision agriculture, an emerging information-based management strategy to increase profitability and reduce environmental risk of crop production. The estimated combined dollar value was \$7.2 million across all the acres represented in our core program.



JAMES ROBERT ALFANO
Promoted to Full Professor: The Plant Science Initiative and Plant Pathology

Hired: 2000. Ph.D., Washington State University, 1993; B.S., San Diego State University, 1986.

Area of Focus: Strategies bacterial pathogens use to infect hosts and host immunity. **Recent Major Accomplishment:** (Research) Discovering that bacterial virulence proteins suppress host innate immunity; (Teaching) Teaching microbiology to UNL undergraduates; (Outreach) Participation in programs to involve undergraduates in research. **Representative Publications:** “Genomewide identification of proteins secreted by the Hrp type III protein secretion system of *Pseudomonas syringae* pv. *tomato* DC3000,”

2006–2007 Honorees

Proc. Natl. Acad. Sci., 2002; “A type III effector ADP-ribosylates RNA-binding proteins and quells plant immunity,” *Nature*, (in press). **Representative Grants:** “Suppression of innate immunity by ADP ribosyltransferase type III effectors,” National Institutes of Health NIAID, 2006-08 (\$360,106); “Secretion signals and type III chaperones in the *Pseudomonas syringae* type III secretion system,” National Science Foundation Microbial Genetics and Integrative Plant Biology, 2006-2009 (\$420,000). **Representative Awards:** Sygenta Award for research accomplishments, American Phytopathological Society, 2005.



TALA AWADA
Promoted to Associate Professor and Awarded Tenure: School of Natural Resources

Hired: 1999. Ph.D., University of Saskatchewan (Canada), 2000; M.S., Mediterranean Agronomic Institute of Chania (Greece), 1995; B.Sc., Lebanese University (Lebanon), 1992. **Area of Focus:** Plant Ecophysiology, and Grassland and Forest Ecology. **Recent Major Accomplishments:** (Research) 15 refereed research publications; 3 non-refereed publications; 28 conference presentations with published abstracts; \$568,747 research grants received; (Teaching) Classes taught include: Introduction to forest management; plant ecophysiology: theory and practice; and natural resources seminar. **Representative Publications:** “Physiological characteristics explain the success of *Pinus ponderosa* and *Juniperus virginiana* expansion into the semi-arid grasslands of Nebraska,” *International Journal of Plant Sciences*, 2006; “Ecophysiology of seedlings of three Mediterranean pine species in contrasting light regimes,” *Tree Physiology*, 2003. **Representative Grants:** “Impacts of *Pinus ponderosa* establishment on ecosystem functions in the Sandhills of Nebraska,” McEntire Stennis Funds, USDA, 2001-07 (\$288,600); “Application and evaluation of advanced technologies for assessing the water balance of a forest ecosystem in Greece,” Scientific and technological cooperation between RTD organizations in Greece and RTD organizations in the US, 2006-08 (\$70,000). **Representative Awards:** Dinsdale Family Faculty Award for Outstanding Teaching, Research and Outreach, Institute of Agriculture and Natural Resources (IANR), UNL, 2006.



KENT BEEN
Promoted to Associate Extension Educator: West Central Research and Extension Center

Hired: 1998. M.S., Kansas State University, 1982; B.S., Kansas State

University, 1981. **Area of Focus:** Dryland cropping and youth development. **Recent Major Accomplishments:** (Outreach) The eight reporting participants in the 2005-2006 Integrated Beef-Forage System Short Course influenced decisions on 29,940 acres of range, irrigated grass pasture and seeded hayland and cropland and 2,325 head of cows (Average: 332 head per producer). The total reported economic impact of the 2005-2006 Integrated Beef-Forage System Short Course was \$79,688. Since the implementation of the demonstration plot, over 85 residences have established buffalograss lawns. With an average lawn of 5000 square feet and current water rates, the change to buffalograss will reduce water consumption by 103,000 gallons per yard and save the homeowner \$137 per summer.



LLOYD C. BELL
Promoted to Full Professor: Agricultural Leadership, Education and Communication

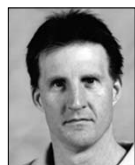
Hired: 1978. Ph.D., University of Nebraska–Lincoln, 1984; M.S., University of Nebraska–Lincoln,

1980; B.S., University of Nebraska–Lincoln, 1971. **Area of Focus:** To facilitate a nurturing atmosphere of interaction and thought in which the content of focus is explored in a manner that challenges both teacher and student to assess their thoughts and ideas as they relate to self and others. **Recent Major Accomplishments:** (Research) Integration and refinement of academic core standards into the Nebraska Agricultural Education Curriculum Frameworks; (Teaching) Creation and teaching of a six module online graduate program planning course; (Outreach) Planning and facilitation of on-sight career development workshops by CASNR faculty for 750 secondary students of Nebraska agricultural education. **Representative Publications:** “Student perceptions of how well colleges accommodate for prior experience in agricultural sciences and natural resources,” *NACTA Journal*, 2006; “An exploratory study of power and influence in young adults,” 2005 North Central

2006–2007 Honorees

AAAAE Research Conference Proceedings, Columbus, OH. **Representative Grants:** “Creating a pathway for curriculum innovation in environmental and agricultural systems education,” IANR Innovation Grant, UNL, 2005 (\$20,000 non-funded); “Enhancing Ag Hall Room 311 for increased effectiveness for distance education courses,” Initiative for Teaching and Learning Excellence, Office of the Senior Vice Chancellor for Academic Affairs, UNL, 2005 (\$19,250).

Representative Awards: Distinguished Teaching Award, American Association for Agricultural Education, North Central Region of the United States, 2006; Outstanding Teaching Award, CASNR Week 2006, UNL College of Agricultural Sciences and Natural Resources, 2006.



ANDREW K. BENSON
Promoted to Full Professor:
Food Science and Technology

Hired: 1996. Post Doc., 1992–1996, Princeton University; Ph.D., University of Texas Health Science Center, 1992; B.S., Iowa State

University, 1987. **Area of Focus:** (Research) Genome evolution in pathogenic microorganisms; (Teaching) Food microbiology. **Recent Major Accomplishments:** (Research) Identified microevolutionary pathways in genomes of the foodborne pathogenic bacteria *E. coli* O157:H7 and *Listeria monocytogenes* and the bioterrorism agent *Francisella tularensis*. Studies on the functional outcomes of evolution in these genomes show that *E. coli* O157:H7 and *Listeria monocytogenes* are evolving novel gene expression patterns associated with adaptive responses physical stress while *Francisella* may be evolving toward adaptation to secondary hosts such as ticks. (Teaching) Developed the Foodborne Pathogens module of the Advanced Food Microbiology series, and recently developed and launched the first-ever microarray course which combines lecture and laboratory experiments in high-throughput genomics. (Outreach) Established the UNL Printed Microarray Core Facility, providing high-throughput genomics and genotyping capabilities to UNL researchers and National clients, including the Department of Defense. **Representative Publications:** “Functional consequences of genome evolution in *Listeria monocytogenes*: the lmo0423 and lmo0422 genes encode Sigma C and ltrR, a lineage II-specific heat shock system,” *J. Bacteriol.*, 2005; “Paired-end sequence mapping detects extensive genomic rearrangement and translocation during divergence of *Francisella tularensis* subsp. *tularensis* and *Francisella*

tularensis subsp. *holartica* populations,” *J. Bacteriol.*, 2006. **Representative Grants:** “Population genomics of *Listeria monocytogenes*,” USDA-NRICGP, 2003-06 (\$372,468); “Genome biology of *Francisella tularensis* populations,” NIH-NIAID, 2004-06 (\$390,000).

Representative Awards: Outstanding Scientist, Sigma Xi, 2003; German-American Frontiers in Science, National Academy of Sciences, USA, 2004.



TAMI M. BROWN-BRANDL
Promoted to Adjunct Associate Professor:
Biological Systems Engineering

Hired: 1998. Ph.D., University of Kentucky, 1998; M.S., University of Nebraska–Lincoln, 1995; B.S.,

University of Nebraska–Lincoln, 1993; A.S., McCook Community College, 1990. **Area of Focus:** Precision animal management as a method of reducing animal stress and improving animal well-being. **Recent Major Accomplishments:** (Research) Determined risk factor for heat-stress feedlot cattle. Developed an animal susceptibility model to summarize individual animal’s risk factors. **Representative Publications:** “Heat stress risk factors of feedlot heifers,” *Livestock Science*, 2006; “Evaluating modeling techniques for livestock heat stress,” *Biosystems Engineering*, 2005. **Representative Grants:** “Effects of Pond Ash as a Feedlot Pen Surface and Animal Stress-level on the Prevalence, Levels, and Persistence of *E. coli* O157:H7 and *Salmonella* spp. In Feces, on Hides, and in Manure of Feedlot Cattle,” National Cattlemen Beef Association, 2006 (\$104,500). **Representative Awards:** Superior Paper Award for a manuscript entitled “A literature review of swine heat and moisture production,” American Society of Agricultural and Biological Engineers, 2005; Outstanding Young Scientist Award in Animal Biometeorology, International Society of Biometeorology, 2005.



ROGER EIGENBERG
Promoted to Adjunct Associate Professor:
Biological Systems Engineering

Hired: 1995. Ph.D., University of Nebraska, 1994; M.S., University of Nebraska, 1976; B.A., Hastings

College, 1970. **Area of Focus:** (Research) Cattle feedlot nutrient management as well as animal stress and well being. **Recent Major Accomplishments:** (Research) Developed methods of monitoring soil nutrient dynamics in fields receiving manure amendments;

2006–2007 Honorees

created predictive tools to estimate heat stress in cattle; (Teaching) Aided Ph.D. graduate students by serving on their Graduate Committees; (Outreach) Invited to present a paper on the topic of using soil conductivity data to estimate nutrient distribution in an alternative system for treatment of feedlot runoff at Soil Science Society of America meeting in the Fall of 2007. **Representative Publications:** "Soil conductivity as a measure of soil and crop status—a four year summary," *Soil Science Society of America Journal*, 2006; "Dynamic response indicators of heat stress in shaded and non-shaded feedlot cattle: Part 2 Predictive relationships," *Biosystems Engineering*, 2005. **Representative Awards:** Certificate of Merit, USDA, 2001.



MARION D. ELLIS
Promoted to Full Professor:
Entomology

Hired: 1995. Ph.D., University of Nebraska–Lincoln, 1994; M.S., University of Nebraska–Lincoln, 1974; B.S., University of Tennessee,

1972. **Area of Focus:** Biology and control of parasitic bee mites, protecting pollinating insects from pesticides, insects in science education. **Recent Major Accomplishments:** (Research) Established sustainable protocols for reducing Varroa mite populations in honey bee colonies using dilute solutions of oxalic acid. Established mode of distribution for oxalic acid in honey bee colonies. (Teaching) Ph.D. student, Nick Aliano, received ESA NCB graduate student scholarship award. (Outreach) *Bug Bash* 2006 attended by over 30,000 youth and their teachers in last 10 years.

Representative Publications: "Acute contact toxicity of oxalic acid to *Varroa destructor* (Acari: Varroidae) and their *Apis mellifera* (Hymenoptera: Apidae) hosts in laboratory bioassays," *Journal of Economic Entomology*, 2006; "An update on the distribution and diversity of *Bombus* (Hymenoptera: Apidae) in Nebraska," *Journal of Kansas Entomological Society*, 2006. **Representative Grants:** "Reduction of the Varroa Mite Populations in Honey Bee Colonies," U.S. Environmental Protection Agency, 2007 (\$53,000); "Techniques for Using Oxalic Acid to Reduce Varroa Mite Populations in Honey Bee Colonies," U.S. Environmental Protection Agency, 2006 (\$46,000).

Representative Awards: Roger Hoopingarner Outstanding Scientific Presentation Award, American Beekeeping Federation, 2006; Roger A. Morse Outstanding Teaching and Extension Award, Eastern Apicultural Society of North America, 2005.



KELLY FEEHAN
Promoted to Extension
Educator:
Northeast Research and
Extension Center

Hired: 1982. M.A., University of Nebraska–Lincoln, 1990;

B.S., North Dakota State University, 1982. **Area of Focus:** Environmental Horticulture. **Recent Major Accomplishments:** (Teaching) Provide education, technology transfer, and applied research to over 1500 consumers and industry professionals annually empowering them to use best management practices, be economically viable, and promote sustainable environments for Nebraska communities.

Representative Grants: Nebraska Statewide Arboretum Grants, 2004 (\$17,500); UNL Extension Grant 2003 (\$8,000). **Representative Awards:** 4-H Distinguished Service Award, NAE4-HA, 2001. **IANR Program Impact:** A 2006 Commercial Update provided lawn and landscape professionals in the "green industry" with information about current and new research in their field, allowing them to use and promote best management practices to correctly use fertilizers and pesticides, select plants requiring fewer inputs, and conserve natural resources which improves environmental sustainability and saves money for business owners and homeowners. Lawn and tree care professionals are turning more and more to "Hort Bits," a product of UNL Extension that delivers research-based information on current problems and timely cultural care practices. The newsletter is provided to 108 commercial horticulturists and grounds maintenance personnel, who report its positive impact in their business and their environmental stewardship. Older Nebraskans with physical challenges may be able to garden with less strain, thanks to a UNL extension workshop on horticultural therapy, "Garden for Life: Tools and Techniques for Easier Gardening." "Garden for Life" tips and how-tos have been taught to almost 500 learners, including older gardeners themselves, as well as assisted living and nursing home facility staff, Master Gardener volunteers and Senior Citizen Festival participants. At a University of Nebraska–Lincoln Extension 4-H school enrichment special event, 178 students from nine classrooms learned about inquiry-based learning and urban ecology. Using the scientific process, they completed four hands-on experiments related to urban ecology. At one school, the students returned to their school and guided younger students in completing each of the ecology experiments.

2006–2007 Honorees



RICK FUNSTON
**Promoted to Associate
Professor and Awarded Tenure:**
Animal Science

Hired: 2002. Post Doc, Colorado State University, 1995; Ph.D., University of Wyoming, 1993; M.S.,

Montana State University, 1987; B.S., North Dakota State University, 1985. **Area of Focus:** Beef cattle reproductive management research and extension appointment; Optimizing reproductive efficiency in beef cattle operations to reduce production costs and increase net returns in cow/calf operations. **Recent Major Accomplishments:** (Research) Demonstrated that late gestation nutrition can affect reproductive performance of the unborn female progeny. This concept of fetal programming has been demonstrated in several species including humans; however, this is the first published research demonstrating this effect on reproduction of the unborn female progeny in beef cattle. (Outreach) Member of the Beef Reproduction Task Force and Beef Leadership Team, two national working groups committed to increasing reproductive efficiency in beef cattle operations throughout the US. Conducted eight Applied Reproductive Strategies in Beef Cattle symposia throughout the US to date. **Representative Publications:** "Effects of pre- and postpartum nutrition on reproduction in spring calving cows and calf feedlot performance," *J. Anim. Sci.*, 2006; "Effects of dam nutrition on growth and reproductive performance of heifer calves," *J. Anim. Sci.*, 2007. **Representative Grants:** "Dried distillers grains as a source of supplemental energy and protein for developing heifer calves," NE Center for Energy Sciences Research, 2007 (\$26,943); "Supplementing whole soybeans to beef heifers of different physiological maturity," NE Soybean Board, 2006 (\$22,612). **Representative Awards:** Excellence in Applied Animal Science Research, Western Section of American Society of Animal Science.



ISTVAN (STEVE) LADUNGA
Awarded Tenure:
Statistics

Hired: 2005. Ph.D., Budapest (Eotvos) University of Sciences, 1978; Masters, Budapest (Eotvos) University of Sciences, 1976.

Area of Focus: Computational reconstruction and analysis of large networks of transcriptional regulation; chromatin structure and gene expression.

Recent Major Accomplishments: (Research) Identified nucleosome-positioning sequences using chromatin immunoprecipitation data, improved gene knockdown activity of short interfering RNAs. (Teaching) Develop an advanced course: BIOS 897/STAT 892 "Computational Molecular Biology." (Outreach) Director of the Bioinformatics Core Research Facility, serving over 60 active users.

Representative Publications: "More complete silencing by fewer siRNAs: Transparent optimized design and a biophysical signature," *Nucleic Acids Res.*, 2007; "PHYSEAN: PHYSical Sequence ANalysis of Proteins," *Bioinformatics*, 1999. **Representative Grants:** Nebraska Research Initiative: Enhancement of the UNL Bioinformatics Core Research Facility, PI (\$136,000); NSF EPSCoR: Chromatin Biology Multi-investigator Grant (\$9M) pending. **Representative Awards:** Grand Prix of the Ministry of Education, Budapest, Hungary; Special Prize of the Hungarian Society for Biology.



DAVID SCOTT MCVEY
Promotion to Full Professor:
**Veterinary and Biomedical
Sciences**

Hired: 2006. Ph.D., Texas A&M University, 1986; D.V.M., University of Tennessee-Knoxville, 1980. **Area**

of Focus: Diagnostic bacteriology for the Veterinary Diagnostic Center, teaching microbiology and bovine respiratory diseases research. **Recent Major Accomplishments:** (Research) Completed the epitope map of a plasminogen activator associated with bovine mastitis, patented method for rmLT vaccine adjuvant manufacture and assembly; (Teaching) Presented immunology reviews for veterinary clinicians for continuing education at an international congress. **Representative Publications:** "Identification of multiple linear epitopes of the plasminogen activator A (PauA) of *Streptococcus uberis* with murine monoclonal antibodies," *Veterinary Immunology and Immunopathology*; "Use of recombinant mutant labile toxin as a marker antigen and as a synergistic adjuvant with Amphigen@," *United States Patent Application Publication*, 2004. **Representative Grants:** "Stress responses of *Escherichia coli* and salmonellae that affect virulence," U.S.D.A.–K.A.E.S. Food Safety Forum, 1992-1995 (\$5,000); "Vaccine development for prevention of salmonellosis in greyhounds," KS Racing Commission (\$120,000). **Representative Awards:** Distinguished Alumni, University of Tennessee College

2006–2007 Honorees

of Veterinary Medicine, 2007; Blue Ribbon Panel, President of the United States, Counter Measures for Terrorist Threats to Agriculture, 2003-04.



DEANA NAMUTH
Promoted to Extension Associate Professor: Agronomy and Horticulture

Hired: 2000. PhD, Colorado State University, 1998; MS, Colorado State University, 1993; BS (with honors), University of Nebraska–Lincoln, 1990. **Area of focus:** Direct plant science distance education to serve both academic students and extension clientele. **Major Accomplishments:** (Teaching/Outreach) Obtained \$759,000 in grant funding; 19 peer-reviewed publications; direct the overall distance education in the Department of Agronomy and Horticulture; lead the Plant and Soil Sciences eLibrary which contains educational 97 plant science lessons and animations. **Representative Publications:** “Principles of Sustainable Learning Object Libraries,” In: Keith Harman and Alex Koohang (Eds.) *Learning Objects: Standards, Metadata, Repositories, & LCMS*, Santa Rosa, California: Informing Science Institute, (2005); “Protein Detection in Plants,” *Journal of Natural Resources and Life Science Education*, COEX Journal Series No. 1018, (2005). **Representative Grants:** “Meeting Diverse Educational Needs in Agriculture,” USDA-CSREES, IFAFS program, 2000-04 (\$568,520); “Weed Science Electronic Library Modules,” American Distance Education Consortium (ADEC), 2002-03 (\$50,000). **Representative Awards:** ADEC Excellence in Distance Education Award, American Distance Education Consortium, 2004; American Society of Agronomy Division A-4 Educational Award for Internet Web Page Category for *Croptechology: An open web site for lesson modules in crop science*, 2002.



SUNIL NARUMALANI
Promoted to Full Professor: School of Natural Resources

Hired: 1993. Ph.D., University of South Carolina, 1993; M.A., University of Georgia, 1989; M.Com., University of Bombay, 1981; B. Com., University of Bombay, 1979. **Area of Focus:** Remote sensing, Geographic Information Systems, water resources, invasive species. **Recent Major Accomplishments:** (Research) Application of remote sensing and GIS for environmentally sensitive

areas (e.g., coral reefs in the Caribbean), mapping and monitoring of invasive species in Nebraska. (Teaching) Implementation of advanced GIS courses including a seminar, “Improvement of the Digital Image Analysis.” (Outreach) On the editorial board of two major journals in remote sensing and GIS. Research coordinator of the School of Natural Resources. **Representative Publications:** “Remote Sensing of Invasive Species Using Airborne Hyperspectral Data,” *GeoCarto International: A Multidisciplinary Journal of Remote Sensing*, 2006; “Benthic Habitat Mapping in Tropical Marine Environments Using QuickBird Multispectral Data,” *Photogrammetric Engineering and Remote Sensing*, 2006. **Representative Grants:** “Mapping, quantifying, and predicting current and future invasive plant species spread in the North Platte corridor from east of Lake McConaughy to North Platte,” USDA-APHIS, 2006-2007 (\$25,000); “Wetlands Planning Level Surveys for Camp Ashland, Mead, and Greenleaf,” Nebraska Military Department, 2005-2006 (\$112,563). **Representative Awards:** 3436th Military Intelligence Detachment, for geospatial assistance in Operations Noble Eagle, Enduring Freedom, and Iraqi Freedom, 2004; American Society for Photogrammetry and Remote Sensing, *Autometric Award for Outstanding Paper on Photographic or Imagery Interpretation*, 1996.



BARBARA P. OGG
Promoted to Extension Educator: Southeast Research and Extension Center

Hired: 1995. B.S., Michigan State University, 1986; Ph.D., Iowa State University, 1989. **Area of Focus:** Develops and delivers educational programs in pest management and environmental education for adults and youth. **Recent Major Accomplishments:** Organized termite workshops for homeowners and pest management professionals to improve the quality of termite treatments in Nebraska. **Representative Awards:** Distinguished Extension Educator, UNL Extension, 2006; Holling Family Award for Teaching Excellence, UNL-IANR, 2007. **IANR Program Impact:** More than 1600 Nebraska homeowners have attended the homeowner workshop. A post-workshop survey showed 98% of homeowners obtained information needed to better protect their property; 87% were less apprehensive about working with a pest control company; and 98% had more confidence in their ability to make decisions about termites. Hands-On Termite School:

2006–2007 Honorees

After taking training, 96% of termite applicators were more confident in their ability to identify termites and termite damage; 92% said they would be less likely to violate label directions; and 100% said the hands-on training helped them better understand termite treatments.



BRENT LAYNE PLUGGE
Promoted to Extension
Educator:
West Central Research and
Extension Center

Hired: 1994. M.S., University of
Nebraska–Lincoln, 1989; B.S.,

University of Nebraska–Lincoln, 1987. **Area of Focus:**

Provide leadership in developing, implementing and evaluating educational programs focusing on livestock production systems and 4-H/youth development. **Recent Major Accomplishments:** (Outreach) Management of livestock operations was improved and significant financial gain occurred as a result of educational programs such as the Nebraska Ranch Practicum, Ranching for Profitability and Beef Nutrition workshops. Youth enhanced their life skills and their knowledge by attending programs such as 4-H, Youth Leadership programming and Science Based Field Days. **IANR Program Impact:** Nebraska Ranch Practicum: Skills to evaluate and monitor management, make decisions in range/beef systems and to be better stewards of natural resources are improved by participation in the Practicum. Beef Nutrition and Forage Management Workshops: Producers indicated, that as a result of attending the workshops they were able to save \$5.93 per cow in feed and mineral costs for a total economic impact of \$1,287,194. Ranching for Profitability Programs: Thirty-three educational programs were held in several locations in Western Nebraska with over 75% of the participants indicating the information was informative and over 74% of the participants indicating that the information presented would save them money. Sandhills Leadership: Participants were better able to accept other viewpoints, better able to help groups come to an agreement, better able to express ideas more clearly, and it helped them identify their strengths as a leader. Buffalo County Youth Leadership Retreat: 96% of the youth reported that the youth leadership retreat would help them build confidence in their ability to work with people in a group. Buffalo County Youth Science Field Day: Evaluations from 115 students from 5 area high schools indicated that

they learned new information related to science in 17 identified areas. Gudmundsen Sandhills Laboratory (GSL) Youth Field Day: In nine years, 870 students who attended have reported learning information in twelve topic areas.



CONNIE I. REIMERS-HILD
Promoted to Associate
Extension Educator:
Southeast Research and
Extension Center

Hired: 2005 (Southeast Research
and Extension Center); 2001

(UNL). Ph.D., University of Nebraska–Lincoln, 2005; M.S., University of Nebraska–Lincoln, 2000; B.S., University of Nebraska–Lincoln, 1998. **Area of Focus:** Advancing economic development through the avenues of entrepreneurship, leadership, innovation, value-added agriculture and agritourism. **Recent Major Accomplishments:** (Research) Developed award-winning research that empirically examined the framework of the entrepreneurial learner of the 21st Century; which continues to evolve and has implications on developing the entrepreneurial leadership characteristics of individuals, organizations and communities. (Teaching) Served on a team of faculty who developed a Distance Learning Center for learners enrolled in distance-delivered programs through the University of Nebraska–Lincoln College of Agricultural Sciences and Natural Resources. The eAdvising center provides real-time information to distance learners and has the potential to help students located on campus as well. (Outreach) Worked with a team of partners to organize and host the 2006 Wild Fruit and Nut Jam at the Kimmel Education and Research Center; whose objective is to enhance an economically viable and sustainable food and biomass system by educating attendees about various aspects of the fruit and nut industries, increasing the visibility of participating vendors, and enhancing vendors' social capital through networking with the University, attendees and other participating organizations. **Representative Publications:** "Entrepreneurial Career Development: Using Human Capital, Social Capital, and Distance Education to Achieve Success," *Advancing Women in Leadership On-line Journal*, (accepted for publication in the Spring 2007); A Framework for the "Entrepreneurial Learner" of the 21st Century, *Online Journal of Distance Learning Administration*, 2005. **Representative Grants:** Wild Fruit and Nut Jam Grant funded by the Small- and

2006–2007 Honorees

Part-time Farm Project and the Nebraska Forest Service, 2006 (\$3,946); Extended Education Training Support and Course Development Grant used to develop a virtual advising center for distance students in the College of Agricultural Sciences and Natural Resources (\$25,000). Representative Awards: Best Paper Award, Distance Learning Administration Conference, 2005; Team Member, ADEC Award for Excellence in College and University Distance Education, 2003.



VICKI L. SCHLEGEL
Promoted to Associate
Professor and Awarded Tenure:
Food Science and Technology

Hired: 2000. Ph.D., Iowa State University, 1990; M.S., University of Nebraska–Lincoln, 1987;

B.A., Union College, 1984; A.S., Union College.

Area of Focus: Nutraceuticals and Metabolomics; Nutraceuticals and Food Quality; Analytical Analysis of Food-Based and Cellular Systems for University and Industry based Research and Development.

Recent Major Accomplishments: (Research) One of only a few labs in the world developing methods to study the metabolome of immortal cell lines, and as a result other cellular systems, in response health-benefiting natural compounds and environmental stress. Assisted in establishing an integrative approach to identify and characterize the health-promoting agents in natural systems. (Teaching) Expanded the course Quality Assurance of Foods to include more practical and industrial based issues. (Outreach) Established on-going collaborations with Nebraska and US based food industries, commodities boards, and biopharmaceuticals facilities through a research service program, which has resulted in advanced development of several products. **Representative Publications:** “*Pichia pastoris* fermentation process optimization: Energy state and testing a growth associated model,” *Appl. Microbiol. Biotechnol.*, 2006; “Grain sorghum lipid extract reduces cholesterol absorption and plasma non-HDL cholesterol concentration in hamsters,” *J. of Nutr.*, 2005. **Representative Grants:** “Purification Process influence on Structural and Nutritional Function of Grain Sorghum Lipids,” United States Department of Agriculture (USDA), 2004 to 2007; “Developing and Applying Metabolic Profiling and Metabolic Fingerprinting as an Analytical Tool for Ensuring the Final Product Quality,” Tobacco Grant, 2003 to 2004.



MARK E. SIMMONS
Promoted to Associate
Extension Educator:
Southeast Research and
Extension Center

Hired: 2003. M.S. University of Nebraska–Lincoln, 2002;

B.S. University of Nebraska–Lincoln, 1991. **Area of Focus:** Leadership Development for Omaha-area Neighborhoods and Nebraska’s Military 4-H Liaison. **Representative Grants:** Military 4-H Clubs Grant, USDA and Department of Defense, 2004-2007 (\$120,000); Operation: Military Kids, USDA and Department of Defense, 2005-2007 (\$150,000). **Representative Awards:** Distinguished Extension New Employee Award, UNL Extension, 2004; Certificate of Commendation, United States Department of Defense, 2006. **IANR Program Impacts:** Eight months after a leadership development program, 87% of respondents stated that they have served in new leadership roles within their neighborhood associations. Sixty percent of participants applied for a grant, with 1/3 of all respondents having been successful in securing funds to support neighborhood improvement. Military dependents at Offutt Air Force Base credited 4-H programs with developing many life skills. Testimonials from service members tell the impact the OMK program has had on their families, and on themselves while they are deployed.



STEVEN R. SKODA
Promoted to Adjunct Professor:
Entomology

Hired: 1992. Ph.D., University of Nebraska–Lincoln, 1992; M.S., University of Nebraska–Lincoln, 1985; B.S., Kearney State College,

1982. **Area of Focus:** Research on Genetic Variation, Population Ecology and Developing Genetic Sexing Strains of Screwworms. **Recent Major Accomplishments:** (Research) Compared several molecular genetic tools useful for understanding and comparing genetic variation within and between samples of screwworms from distant geographic origins. (Teaching) In the past three years, advised or served on Advisory Committee for five successful graduate students. (Outreach) Developed a comprehensive plan to transfer research on screwworms from a site in Chiapas, Mexico and

2006–2007 Honorees

consolidate the work in Panama City, Panama with collaboration from the ARS Laboratory in Kerrville, TX. **Representative Publications:** “Random amplified polymorphic DNA markers for discriminating *Cochliomyia hominivorax* from *C. macellaria* (Diptera: Calliphoridae),” *Bull. Entomol. Res.*, 2002; “A cellulose fiber-based diet for screwworm larvae (Diptera: Calliphoridae),” *J. Econ. Entomol.* **Representative Grants:** “Using Transgenic Techniques for Developing a Genetic Sexing Strain of Screwworm,” 2006 (requesting \$1 million for 5 years). **Representative Awards:** USDA Spot Award, In appreciation of extra contributions to the Unit, 2001; USDA Cash Award, for Superior Job Performance, 2005.



DAVID ROY SMITH
Promoted to Full Professor:
Veterinary and Biomedical
Sciences

Hired: 1997. Ph.D., The Ohio State University, 1997; D.V.M., The Ohio State University, 1983; B.S., The Ohio

State University, 1980. **Area of Focus:** Population-based (epidemiologic) approaches to solving diseases of cattle and associated public health issues. **Recent Major Accomplishments:** (Research) Completed studies explaining the ecology of *Escherichia coli* O157:H7 in fed cattle populations, and pre-harvest methods of intervention. (Teaching) Developed a graduate-level course on the medicine of human and animal populations. (Outreach) Pioneered a ranching method to prevent neonatal diarrhea, a major cause of sickness and death for baby calves. **Representative Publications:** “Use of rope-devices to describe and explain the feedlot ecology of *Escherichia coli* O157:H7 by time and place,” *Foodborne Pathogens and Disease*, 2005; “A diagnostic strategy to determine the Shigatoxin producing *Escherichia coli* O157 status of pens of feedlot cattle,” *Epidemiology and Infection*, 2004. **Representative Grants:** “Intervention strategies to reduce *Escherichia coli* O157:H7 in beef feedyards,” USDA CSREES National Integrated Food Safety Initiative, 2003 (\$500,000); “A novel strategy to test and monitor beef feedlot food-safety control points,” USDA CSREES NRI 32.1, 2000 (\$953,735). **Representative Awards:** President, Epidemiology Specialty, American College of Veterinary Preventive Medicine, 2005-2007; Wendell Burgher Beef Industry Award, University of Nebraska Foundation, 2005-2007.



DANIEL D. SNOW
Promoted to Research Associate
Professor:
School of Natural Resources

Hired: 1990. Ph.D., University of Nebraska–Lincoln, 1996; M.S., Louisiana State University, 1988;

B.S., Missouri State, 1982. **Area of Focus:** Develop and utilize new analytical methods for environmental research in water quality using mass spectrometry. **Recent Major Accomplishments:** (Research) Between 2002 and 2006, collaborated on over 40 grant proposals, of which sixteen were selected for funding and use newly developed techniques for analysis of emerging contaminants using liquid chromatography-tandem mass spectrometry, gas chromatography-mass spectrometry, and stable isotope mass spectrometry. Co-authored 18 articles (11 in referred journals or books) describing methods or results using new analytical methods. (Teaching) Assisted other faculty members with both graduate and undergraduate courses including tours, demonstrations and class workshops that make use of the exceptional instrumentation available at the Water Sciences Laboratory. Serve as a thesis adviser for undergraduate and graduate students, assist with development of Environmental Restoration Science major and will be offering a new course in environmental analysis in 2008. (Outreach) Provide information and assistance, as well as give presentations on water quality, testing, and treatment methods and new types of contaminants at seminars for Nebraska natural resource districts, state agencies, agricultural professionals, and the general public. **Representative Publications:** “Occurrence of sulfonamide antimicrobials in private water wells in Washington County, Idaho USA,” *Chemosphere*, 64:1963-1971, 2006; “Tetracycline and Macrolide Antibiotics: Trace analysis in water and wastewater using solid phase extraction and liquid chromatography-tandem mass spectrometry, Chapter 14 in: *Using Liquid Chromatography/Mass Spectrometry*, (MS/MS), and “Time of Flight MS in Analysis of Emerging Contaminants,” (EM Thurman and I.M Ferrer, eds.) Symposium Series 850, American Chemical Society, Washington, D.C., 2003. **Representative Grants:** “Contaminants from wastewater treatment plants: Occurrence and potential effects to local fish populations,” (with Alan Kolok–UNO Biology), Nebraska Department of Environmental Quality, 2006-2007 (\$40,000);

2006–2007 Honorees

“Monitoring Nebraska lakes for Neurotoxins,” Nebraska Department of Environmental Quality, 2006–2009 (\$60,000). **Representative Awards:** Certificate of Merit, National Meeting Presentation, American Chemical Society, 2002; Graduate Faculty Member, Institute of Agriculture and Natural Resources (IANR), 2000.



RICHARD R. STOWELL
Promoted to Associate Professor and Awarded Tenure: Biological Systems Engineering

Hired: 2001. Ph.D., Michigan State University, 1997; MS, University of Wisconsin-Madison, 1988; BS,

University of Wisconsin-Madison, 1985. **Area of Focus:** Animal environment, including indoor thermal environment and outdoor air quality. **Recent Major Accomplishments:** (Teaching) Planned and developed successful extension programs and related educational materials that emphasize two major thrusts: designing and managing heating, ventilating and air conditioning (HVAC) systems for optimal indoor air quality and animal performance; and reducing negative impacts of animal production on rural air quality through improved planning and utilization of proven control technologies. (Outreach) Served as program chair for three international symposia pertaining to design of animal environments: the Sixth International Livestock Environment Symposium in Louisville, KY, May 2001; the Seventh International Livestock Environment Symposium in Beijing, China, May 2005; and the Fifth International Dairy Housing Conference, Fort Worth, TX, February 2003. **Representative Publications:** “Two-dimensional computational fluid dynamics (CFD) modeling of air velocity and ammonia distribution in a High-rise™ hog building,” *Transactions of the ASAE*, 2002; “Design and performance of a High-rise™ hog facility manure drying bed,” *Applied Engineering in Agriculture*, 2001. **Representative Grants:** “Air Quality Extension and Education: Enhanced Learning Opportunities for Addressing Air Quality Issues in Animal Agriculture,” USDA NRI Integrated programs, (\$498,562); “Odor Footprint Tool Demonstration: Assisting Rural Communities in Maintaining Air Quality,” Nebraska Environmental Trust Fund, 2006 (\$158,700). **Representative Awards:** Swine Innovation Award for Multi-State Extension program, National Pork Board, 2004; ASAE Educational Aids Blue Ribbon, American Society of Agricultural and Biological Engineers, 2001.



ANNE STREICH
Associate Extension Educator: Agronomy and Horticulture

Hired: 2003. MS, University of Nebraska–Lincoln, 1996; BS, University of Nebraska–Lincoln, 1993. **Recent Major**

Accomplishments: UNL Campus-based Master Gardener Program—resulted in improved plant selection and management practices that will help conserve and protect Nebraska’s natural resources; Nebraska Master Gardener Program 2006—made more than 48,500 educational contacts and contributed approximately 21,000 volunteer hours, supplying the equivalent of 10 full-time positions, an approximate \$350,000 a year savings in salary; FFA Teacher Training—participants have increased their horticultural knowledge and have incorporated new teaching methods and horticultural topics into their classrooms. **Representative Publications:** “Survey of management and environmental conditions on golf ball roll distance,” *International Turfgrass Society Research Journal*, 2005; “Estimation of attendance at a large outdoor event,” *Journal of Extension*, 2003. **Representative Grants:** “Web-based Master Gardener/Horticulture Training,” UNL Extension, 2006–07 (\$5,000); “At-Risk Youth Horticulture Program,” Lincoln Community Foundation, 2005–06 (\$5,120).



HARSHVARDHAN THIPPAREDDI
Promoted to Associate Professor and Awarded Tenure: Food Science and Technology

Hired: 2002. Ph.D., Kansas State University, 1998; M.S., Kansas State University, 1992; B.S., Andhra Pradesh Agricultural University (India), 1987. **Area of Focus:** Assuring food safety, development and validation of antimicrobial interventions for food processes, development and implementation of food safety program such as HACCP, Sanitation SOPs, GMPs, etc., novel, nonthermal processing to assure microbial safety and predictive modeling of foodborne pathogens in food systems. **Recent Major Accomplishments:** (Research) Conducted research on efficacy and validation of antimicrobial interventions for meat and poultry products, Coordinated integrated projects to assist small meat and poultry processors to improve food

2006–2007 Honorees

safety. (Outreach) Coordinated and contributed to HACCP workshops for meat and poultry processors in the U.S., as well as Ecuador, Colombia and India, assisted several Nebraska meat and poultry processors on food safety and quality issues, served as science adviser for a national association of meat processors (North American Meat Processors Association).

Representative Publications: “Cooked Ground Beef and Turkey against *Clostridium perfringens* Spores During Chilling,” *J. Food Science.*, 2006; “Predictive Model for Growth of *Clostridium perfringens* in Roast Beef during Cooling and Inhibition of Spore Germination and Outgrowth by Salts of Organic Acids,” *J. Food Protection*, 2005. **Representative Grants:** “Improving Safety of Shell Egg and Egg Products by Addressing Critical Research Needs for *Salmonella* Enteritidis and *Salmonella* spp.,” USDA-CSREES, 2006 (\$599,9512); “Understanding and Controlling *Listeria monocytogenes* Transmission through Ready-to-Eat Meat Products from Processing Plant to Consumer,” USDA-CSREES, 2005 (\$2,000,000). **Representative Awards:** Harry L. Rudnick Educator’s Award, North American Meat Processor’s Association, highest honor awarded to an educator in appreciation and recognition of substantial and viable contributions in the furtherance of meat technology and science, 2004; Dinsdale Family Award, IANR, University of Nebraska–Lincoln, recognition for outstanding teaching, research and outreach by pre-tenure faculty, 2006.



LADONNA WERTH
Promoted to Extension
Educator:
Northeast Research and
Extension Center

Hired: 1996. M.S., University of Nebraska at Kearney, 1989; B.S.,

University of Nebraska at Kearney, 1986. **Area of Focus:** Nutrition, Health and Food Safety within the family. **Recent Major Accomplishments:** Collaborations with organizations and agencies have been a strong point in the program development to provide education in Health and Wellness, Family, 4-H and Youth. Helped facilitate the infusion of over \$800,000 to Holt County and North Central Nebraska for program efforts since 2000. **Representative Publications:** “Family Treasures: Creating Strong

Families,” 2005; “Walk Nebraska,” web page, 2005.

Representative Grants: “Every Woman Matters,” Health and Human Services, 2002-06 (\$2,700 each year); “First Time Home Buyers,” Nebraska Department of Economic Development, 2004-05 (\$345,520). **Representative Awards:** Family Treasures, Team Award, National 4-H Council, Annie E. Casey Award, 2005; Distinguished Service Award, National Extension Association of Family and Consumer Sciences, 2005. **IANR Program Impact:** Health and Wellness Education: The O’Neill Women’s Health Conference has significantly impacted the lives of 1200 participants in six years and offers six Continuing Education Units to nurses annually. Evaluations document that 97% gained new information about women’s health issues and 95% will use the information to enhance their personal health and family. One thousand participants in the walking programs set individual goals to walk X miles each month. After the 15 week program, 75% returned the walking logs, with 90% of participants meeting their charted walking goal. Building Strong Families / 4-H and Youth: Taught homeowner education classes for O’Neill home buyers. Twenty-eight families were trained and seventeen homes were purchased. Home buyers who completed classes received 20% of the total home purchase price. The project was funded by \$345,520 in Nebraska Department of Economic Development, Division of Community and Rural Development funds to complete a \$1.8 million dollar home buyer assistance program. Trained, supervised and assisted two Holt County VISTA workers on Character Education and leadership skills for two years. The VISTA workers taught the curriculum to the Chambers and Atkinson School systems and communities contacting 400 youth from ages 3-18. Ninety five percent of the students report they now think about how their actions impact other people. Participants are more willing and able to stand up to peer pressure, and come to the defense of other students. Teachers surveyed on student’s performance said 78% were more truthful, 44% less cheating, 78% were better at keeping promises, and 89% were making a better effort to carry through with what they had said they would do. Fifty youth are mentoring younger youth on a weekly basis.