President’s Monthly Research and Development Highlights

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Publications by History Faculty

Prof. Paul Gilje published the three-volume *Encyclopedia of Revolutionary America* with Fact on File this year. Dr. Gilje’s work provides a comprehensive set of entries dealing with many aspects of the nation’s birth and includes entries by OU History faculty and graduate students.

Prof. Norman Stillman’s five-volume *Encyclopedia of Jews in the Islamic World* (published by Brill, this year) reconstructs the many-faceted history of this complicated topic and includes entries by OU faculty and graduate students.

Prentice Hall will publish Prof. Gary Anderson’s book *Will Rogers and “His” America* next year. This work looks at Roger’s contribution to American Politics, including the New Deal in the 1930s, in an accessible new treatment of the life of Oklahoma’s most famous native son.

Students

- Ms. Mingzi Xu, Ph.D. candidate in Ecology & Evolutionary Biology-Zoology has been awarded a Predoctoral Fellowship from the Smithsonian Institution. This $37,000 fellowship will allow her to conduct research at the Smithsonian Tropical Research Station in Panama for the next two years. She will study the UV reflectance of the male giant damselflies’ wing patch as a signal of fighting ability in territorial contests and the body-condition dependence of this wing signal.

- ECE graduate student, Anh Mai received the "Best Doctoral Research Proposal Award" at the 2010 IEEE International Conference on Networking, Sensing, and Control, held in Chicago, Illinois, April 11-13, 2010 for his research titled “Intelligent Control of a Human Ankle Prosthesis.”

Service

- Ning Yu, Professor of Chinese, was elected to become a member of the Executive Committee of the International Association of Chinese Linguistics (2010-2012).

- Prof. Jonathan B. Forman (Law) was recently appointed by Governor Brad Henry to serve on Oklahoma’s new Task Force on Comprehensive Tax Reform, for a term expiring August 26, 2011. The Governor also reappointed Forman to serve on the Incentive Review Committee.

- Yang Hong (CEES & the Center for Natural Hazard and Disaster Research), has been appointed precipitation technique committee chair for the American Geophysical Union, the largest earth scientists’ organization with about 60,000 members.

Scholarship


Dr. Michael Kramer, the new chair of the Department of Communication recently published *Organizational Socialization: Joining and Leaving Organizations* (Polity Press, 2010). The book has been nominated for the Book of the Year Award in the Organizational Communication Division of the National Communication Association.
Recognition & Honors

OU-Tulsa Prof. Stamatios Kartalopoulos (ECE) received the Optical Switching and Networking Top Cited Article 2005-2010 Award for his paper "Next Generation hierarchical CWDM/TDM-PON network with scalable bandwidth deliverability to the premises," published in the journal in 2005.

JMC Prof. Robert Kerr ranked first in Top Convention Paper Productivity for 1999-2008, according to a 2010 study in the Journalism & Mass Communication Educator. The study also ranked the University of Oklahoma 18th in top convention paper productivity among AEJMC member institutions.

Physics & Astronomy Prof. Dr. Yun Wang's new book "Dark Energy," published in 2010, was adopted by the Scientific American Book Club and was recently ranked 18th among the Top 100 Bestsellers according to the publication

Honored for Community Collaboration

A collaboration between Dr. Brigitte Steinheider (OU-Tulsa Organizational Dynamics) and the Broken Arrow Police Department will be honored by the International Association of Chiefs of Police (IACP) with the 2010 Sprint Dynamics) and the Broken Arrow Police Department will be honored by the International Association of Chiefs of Police (IACP) with the 2010 Sprint Excellence in Law Enforcement Research Award. The project involves an employee empowerment program called Shared Leadership shown to raise workforce morale, commitment & innovation. This collaboration has resulted in several journal publications, abstracts & presentations. The IACP represents enforcement agencies in 89 countries.

Funding

- Dr. Janet K. Braun & Brenda Smith-Patten (Sam Noble Museum) received an Institute of Museum and Library Services award of $149,206 for a 3-year project, "Databasing the Collection of Recent Invertebrates: Increasing Access to Biological Information."
- Dr. Alberto Striolo (CBME) was awarded a 3-year $238,052 NSF grant for "The Emergent Behavior of Solid Nanoparticles at Oil-Water Interfaces: A Multi-Scale Thermodynamic Approach to Enable Bio-Oil Upgrade."
- Profs. James Martin (Zarrow Center) & Maeghan Hennessey (Educational Psychology) received a four-year, $2.1 million grant from the Institute of Education Sciences’ National Center for Special Education Research to develop a transition educational assessment tool that will be used to identify skills that students need to learn in order to increase their likelihood of a successful transition from school to employment and continuing education.
- Dr. Boris Wawrik (Botany & Microbiology) is lead PI on the NSF project: "Determining Rates of Group-specific Phytoplankton and Bacterial Uptake of Inorganic and Organic Nitrogen by Means of Stable Isotope Probing." The OU portion of this collaborative grant is $382K.
- Drs. Chen Ling (IE), Randa Shehab (IE), Mark Nanny (CEES), Patricia Hardre (Educational Psychology), Hazem Refai (ECE), Christopher Ramseyer (CEES), & Matthias Nollert (CBME) received a NSF Research Experience for Teachers (RET) award of $300,000 for 2 years for their project: "RET Site: Strengthening a K12 Learning Community through Engineering Research."
- Dr. Kianoosh Hatami (CEES) & Dr. Brian Grady (CBME) were awarded a two-year $142,909 NSF Grant for “Developing Sensor-Enabled Geosynthetics using Conducting Carbon Networks: A Proof-of-Concept Study.”
- Andrew Fagg (CS) & David Miller (AME) are collaborating with OUHSC researchers Thubi Kolobe & Julie Stoner on a NIH funded project that explores control techniques for an assistive robotic crawler for young children who are at risk for developing Cerebral Palsy.
- Prof. Cengiz Altan (AME) has been granted $126,000 from SERCO for the project titled "Intermodal Container Estimating Tool (ICE-T) Support and Extension to Air Force Transport Platforms."