Apple Distinguished Program

The Gaylord College is the first collegiate journalism program in the United States to be named an Apple Distinguished Program for its comprehensive integration of Apple-inspired technology throughout its building and curriculum. The Apple Distinguished Program designation is reserved for academic units that are recognized centers of educational excellence and leadership.

Wallace Barn Dedication

On May 8, 2012, the Wallace Barn was dedicated at the Kessler Atmospheric and Ecological Field Station in Purcell, OK. The barn is named in memory of Dr. Linda Wallace who was a Professor in the Department of Botany and Microbiology and was Director of the Field Station when it was initially established as the Kessler Farm Field Laboratory. A number of friends and colleagues of Dr. Wallace, including Dr. Ed Kessler who donated the property to the University, attended the dedication. The Wallace Barn will provide a workshop and other space for research and teaching activities at the Kessler Field Station. This building, plus others being planned, will provide valuable infrastructure to continue supporting the ecological and meteorological research that have long been the primary activities at Kessler Field Station, as well as help attract educators and researchers from new areas such as engineering, Native American studies, history, and the arts. Faculty and researchers interested in learning more about opportunities at KAEFS should contact the Director, Dr. Phil Gibson (jpgibson@ou.edu).

Intelligent Transportation Systems (ITS) Laboratory

In March 2012, the OU Intelligent Transportation Systems (ITS) Laboratory facilitated President Obama's visit to Oklahoma on March 21, 2012 with the installation of a virtual Traffic Management Center (TMC) console at the Oklahoma Department of Public Safety Headquarters. This enabled the Oklahoma Highway Patrol to monitor the closing of highways for the President's motorcade using the Oklahoma ITS System. (Pictured is a DPS staff member monitoring a stretch of interstate using the virtual TMC.)
Atmospheric Research Radar Center

The CEES/ARRC Hydrometeorology and Remote Sensing Laboratory (HyDROS), jointly with the NASA-SERVIR Mission, hosted a week-long CREST Hydrological Modeling Workshop in Kenya in April 2012. Dr. Xianwu Xue, ARRC/CEES Postdoctoral Fellow, was among representatives from 13 African and Asian countries' Ministries of Hydrometeorology or Disaster Management Agencies in attendance. The goal of the training was to provide technical expertise to participants on CREST-Grid based Distributed Hydrological Model for quantifying stream flow, soil moisture and evapotranspiration by use of NASA satellite rainfall datasets. This is the first workshop of many to transfer NASA and OU jointly developed technology to developing countries.

The ARRC's Atmospheric Imaging Radar (AIR) collected its first tornado data near Carmen, Oklahoma on April 14, 2012. The AIR simultaneously scans 20 different elevation angles, obtaining a full volume scan in only 5 seconds! A total of 40 minutes of supercell and tornado data was collected, including the genesis and full lifetime of the tornado. With these unprecedented data, ARRC researchers hope to better understand tornadogenesis and tornado dynamics.

- Robert Huck (ARRC Senior Research Associate & ECE-Tulsa staff member) was recognized for a patent awarded in 2011.
- Robert Palmer (ARRC Director & SoM Professor) received the Vice President for Research Award for Outstanding Research Engagement.
- Tian-You Yu (ARRC Associate Director & ECE/SoM Associate Professor) was named the Gerald Tuma Presidential Professor.
President’s Monthly Research and Development Highlights

School of Art

Eric Anderson (Art & Art History) was the Design Winner for the 2012 Oklahoma Book Awards for the Eugene B. Adkins Collection, University of Oklahoma Press, Norman, OK. Anderson has also been named one of two AIGA (American Institute of Graphic Arts) Fellows in Oklahoma for 2012. He will be honored later this year in New York City, NY.

Paul Moore’s (Art & Art History's sculpture Artist-in-Residence) piece “Oklahoma's Centennial Land Run” was commissioned by the State of Oklahoma, Federal Government, and the city of Oklahoma City, to be placed in Bricktown, Oklahoma City, OK. Thirty-two bronze elements have been installed since the beginning of the project. Currently, five additional pieces are being sculpted or cast. The estimated completion date is 2014.

Jonathan Hils’ (Art & Art History) piece "The Emperor's New Clothes" will be exhibited at the SculptEVV Outdoor Sculpture Show in Evansville, IN from June 2012 to May 2013. Hils will also be exhibiting in Los Angeles, Las Vegas, Tulsa and Boston in the coming months as well as completing commissions being installed in Sydney, Australia and Shanghai, China this summer.
**Student Achievements**

Ying Bai (M.S. student, ARRC/ECE) has been selected as a winner of the Third Conference on Weather, Climate, and the New Energy Economy Student Competition. Ying won the award of Commendable Oral Presentation for her abstract "Development of Simple Radar Signature Models of Wind Turbine for Knowledge-Aided Wind Turbine Radar Interference Analysis." The competition took place during the American Meteorological Society's Annual Meeting held recently in New Orleans.

Elizabeth Kickham (Ph.D. student, Anthropology) has received the Beth Wilder Dillingham Award.

Matthew Kumjian (Ph.D. student, ARRC/SoM) has been awarded and accepted a Post-doctoral Fellowship at the Advanced Study Program at the National Center for Atmospheric Research (NCAR).

Kelly LaFramboise, (M.S. student, Anthropology) has received the Leslie A. White award.

Adam Saffer (Ph.D. student, Strategic Communication) has been selected for the Ketchum Excellence in Public Relations Research Award. The Fellowship seeks to promote and assist in the development of new research methods in public relations, focusing specific attention on measuring public relations effectiveness. Saffer will spend 10 weeks in Ketchum's NY office to work on a research project and provide methods assistance to the agency.

Erich Sommerfeldt (Ph.D. student, Journalism), has been awarded the 2010-2011 James E. Grunig and Larissa A. Grunig Outstanding Doctoral Dissertation Award from the Public Relations Division of the International Communication Association. Sommerfeldt's doctoral committee members were chair, Maureen Taylor and Gaylord College members Michael Kent, Charles Self, Katerina Tsetsura and outside member, Glenn Hansen.

**2012 ICA**

The Gaylord College will have a strong presence at the 2012 International Communication Association conference in Phoenix. Four faculty and six graduate students will present three top research papers and numerous paper presentations during the conference. ICA is one of the most prestigious and robust research conferences in the field of communication worldwide and one of the leading venues to share cutting-edge research with communication scholars from around the globe.
President’s Monthly Research 
and Development Highlights

Faculty Recognition

Janet Ward (History) has been elected to serve a three-year term (2013-2015) as the representative for History on the Executive Board of the German Studies Association.

Michael A. Mares (Sam Noble Museum) has been invited to make a presentation, "Securing the Long-Term Sustainability of Natural Science Collections and Data" at the Natural Science Collections Alliance congressional briefing (Digitizing Science Collections: Unlocking Data for Research and Innovation) in Washington, DC on June 5, 2012 in the Rayburn House Office Building.

Tyrrell Conway (Microbial Physiology and Metabolism) will be installed as Chair of Division K for 2012-13 during the American Society for Microbiology General Meeting in June.

Joseph M. Sullivan (German in MLL&L,) was awarded the Alfred L. Gage Professional Service Award by the Oklahoma Foreign Language Teachers’ Association on April 28, 2012 for his service as president of the Oklahoma chapter of the American Association of Teachers of German and his dedication to the teaching of German at OU and in the state of Oklahoma.

Jeffrey Maiden (Educational Administration, Curriculum and Supervision Program Area) was a recipient of the Distinguished Research & Practice Fellow Award at the National Education Finance Conference. The award recognizes the top ten researchers and practitioners in the field of education finance.

Julie Miller-Cribbs (Social Work) was named 2012 Social Worker of the Year by the Oklahoma Chapter of the National Association of Social Workers. In addition, the Council on Social Work’s Education Council on Leadership recently chose Miller-Cribbs as one of five national scholarship recipients to attend the Management Development Program at Harvard Institutes of Higher Education (HIHE) this summer.

Sarah Tracy (Honors College,) completed three years of service, 2009-2012 as a Council Member of the American Association for the History of Medicine.

Linda Zagzebski (Philosophy) has recently been awarded two grants to support a book project in which she develops an original form of virtue ethics called Exemplarist Virtue Theory. The first grant is for spring 2013 from the Templeton-funded Character Project at Wake Forest University ($50K), and the second grant is for academic year 2013-14 directly from the Templeton Foundation ($95.5K).
EPA 2012 P3 Award

This EPA 2012 P3 Award is the research work on compressed earth blocks at Fears Lab. The team is a collaboration between the College of Architecture and the College of Engineering. This multidisciplinary faculty and student collaborative research project began Fall 2010 with testing completed at the College of Engineering's Fears Lab on the OU campus. The entire research team includes graduate students, undergraduate students, and faculty from various colleges and departments including the Haskell and Irene Lemon Construction Science Division, Division of Architecture, Division of Landscape Architecture and the College of Engineering. Faculty include Lisa Holliday, Bill McManus, Scott Williams, Charles Graham, Daniel Butko from the College of Architecture and Chris Ramseyer and Mike Schmitz from the College of Engineering. Holliday and Butko co-taught a course in Fall 2011 focusing on designing and building a Compressed Earth Block house.

SkyDance Bridge

Three OU professors, Hans Butzer, A.I.A. and Stan Carroll, A.I.A. with the College of Architecture and Chris Ramseyer, Ph.D., P.E. with the College of Engineering were "Innovator of the Year" honoree's along with their colleagues in the firm SXL, Ken Fitzsimmons, Jeremy Gardner, Brett Johnson, David Wanzer and Laurent Massenat. This award is presented by the Journal Record of Oklahoma City for the teams architectural and engineering design of the SkyDance Bridge in Oklahoma City. According to the Journal Record, the team "...developed innovative structural, architectural and lighting solutions necessary to implement the stunning design. Cutting-edge three-dimensional modeling software techniques facilitated unprecedented local collaborations between architects, engineers and steel fabricators, along with a complex client structure consisting of city, state and federal officials. Unique structural load challenges, budgetary constraints and lofty community expectations were met under intense time pressures to assure that the Oklahoma City SkyDance Bridge would ascend prior to the opening of the new Interstate 40". The official ribbon cutting for the SkyDance Bridge occurred on April 23, 2012.
<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
<th>Title</th>
<th>Grantor</th>
<th>Amount ($)</th>
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<tr>
<td>Laura Bartley</td>
<td>Department of Botany &amp; Microbiology</td>
<td>“Systems Analysis of Cell Wall Remodeling During Grass Lateral Root Emergence”</td>
<td>OK-CAST</td>
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<td>Kevin Butterfield</td>
<td>Department of Classics</td>
<td>“Membership in America: Law and Association in the Early American Republic”</td>
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<td>Marjorie Callahan</td>
<td>Department of Architecture</td>
<td>“Tomorrow's Yukon”</td>
<td>CC-YUKON</td>
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<td>Boon Leng Cheong</td>
<td>Atmospheric Radar Research Center</td>
<td>“Support for X-band Solid-state Weather Radar Development”</td>
<td>WEATHERLINK</td>
<td>334,556</td>
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<td>Joe Foote</td>
<td>School of Journalism &amp; Mass Communication</td>
<td>“Study of United States Institute for Student Leaders on New Media in Journalism”</td>
<td>OF-BECA</td>
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<td>Clydia Forehand</td>
<td>Tulsa-OK Instructional Teaching East Asia</td>
<td>“Mandarin Unmasked: STARTALK-OU Chinese Language Summer Camp (Tulsa Campus)”</td>
<td>DOD-NSA</td>
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<td>Nathan Goodman</td>
<td>School of Electrical Engineering</td>
<td>“Knowledge Enhanced Compressive Measurement”</td>
<td>UN-ARIZ</td>
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<td>Friederike Jentoft</td>
<td>School of Chemical, Biological &amp; Materials Engineering</td>
<td>“REU - Functional Group Contributions to Heats of Adsorption of Bio-oil Compounds on Oxide Surfaces”</td>
<td>OSU</td>
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<td>Michael Kaspari</td>
<td>Department of Zoology</td>
<td>“DISSERTATION RESEARCH: Sodium Availability Regulates Brown Food Web Structure”</td>
<td>NSF</td>
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<td>Christian Remling</td>
<td>Department of Mathematics</td>
<td>“Jacobi Matrices, Toda Maps, and the Absolutely Continuous Spectrum”</td>
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<td>Mrinal Saha</td>
<td>School of Aerospace &amp; Mechanical Engineering</td>
<td>“Nanofibers for Advanced Material Composites”</td>
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<td>Zahed Siddique</td>
<td>School of Aerospace &amp; Mechanical Engineering</td>
<td>“Collaborative Research: Teaching To Learn - Peer Learning Using Smart Devices”</td>
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Summer

The Office of the Vice President for Research will take a break from producing the President’s R&D Highlights this summer. We hope you have a wonderful summer and look forward to hearing from you in the fall.

April New Awards

- Prakash Vedula
  School of Aerospace & Mechanical Engineering
  “Detailed and Efficient Computational Modeling of Transport Phenomena in Nonequilibrium Hypersonic Flows Based on State-to-State Kinetics”
  NP-OAI
  $40,000

- Ann West
  Department of Chemistry & Biochemistry
  “Molecular Interactions in a Multistep Phosphorelay Signaling Pathways”
  NSF
  $626,455