EASTERN ILLINOIS UNIVERSITY

2016 CELEBRATION OF PUBLICATIONS, CREATIVE WORKS, AND GRANTS

Wednesday, October 26 | University Ballroom | 3:30-5 p.m.

SPONSORED BY THE DIVISION OF ACADEMIC AFFAIRS
Eastern Illinois University is a community enthusiastically engaged in intellectual exploration. This includes faculty testing the boundaries of knowledge within their disciplines and the boundaries of how to convey that knowledge to their students. It also includes students, both graduate students joining with their faculty mentors in pressing the disciplinary boundaries, and undergraduate students discovering the front edges of the disciplines under the guidance of their instructors. Today we celebrate the full range of such faculty contributions: journal articles, book chapters, monographs, art works, music compositions, performances in all forms, and a host of others. Funded research contributions also are included and span similarly the full range just listed above. New this year is recognition of special contributions to pedagogy using technology – the Hoadley award for innovative and cutting edge contributions in this form.

As always, I invite each participant at today’s event to browse the contributions of your colleagues, ask questions, and celebrate the intellectual vitality of this wonderful university. We have had plenty to lament during the past year, but today is a day to recognize and appreciate the vibrancy of our university and community of scholars. This is tangible evidence of why we went into this career.

**Dr. Blair M. Lord**  
Provost and Vice President of Academic Affairs

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**Academic Affairs**


**Art**

**Boonstra, Matthew.** "Father Studies" Invitational Solo Exhibition. New Gallery, Deleplanie Visual Arts Center, MD. 2016.


Pocaro, Alan. “2015 Art Faculty Exhibition.” Tarble Arts Center, Charleston, IL.


Pocaro, Alan. “Four Rivers Print Biennial.” Carbondale Community Arts, Carbondale, IL.


Pocaro, Alan. “Works from Around Our State.” Evanston Art Center, Evanston, IL.


Biological Sciences


Business


Acknowledgments

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College of Education and Professional Studies


Communication Disorders and Sciences


Communication Studies


Counseling and Student Development


Early Childhood, Elementary, & Middle Level Education


**Economics**


**Educational Leadership**


**English**


Family and Consumer Sciences


Foreign Languages


Geology and Geography

Finley, Daniel, and Diane M. Burns. 2015. “Fluid Drive Mechanisms of Mississippi-Valley-Type Deposits, Particularly the Viburnum Trend, Modeled with the Aid of 3-D Printing, Southern Missouri, USA.” In Geological Society of America Annual Conference. Baltimore, MD.

Curtis, Dan, and Diane M. Burns. 2015. “Geoscience at the Library: Experiences in Student-Led Community Outreach.” In Geological Society of America Regional Conference. Baltimore, MD.


History


Reid, Debra A. “Telling it like it was: Oral History Collections of Agricultural History,” Collections de L’Agriculture: Nouvelles Dynamiques: Actes du Colloque, 17eme Congrès International des Musées D’Agriculture (CIMA XVII au MuCEM) du 5 au 7 Novembre 2014 (Marseille, France: Musée des Civilisations de “Europe et de la Méditerranée, 2016), pgs. 79-81.


Journalism


Kinesiology and Sports Studies


**Library Services**


**Mathematics and Computer Science**


Music


Philosophy


Political Science


Psychology


Sociology and Anthropology


**Woodley, Vernon.** 2016. “Gender in the Workplace: The Effects of Social Networks in Cross-Cutting Project Teams.” in *Advancing Leadership and Organizations*, vol. 1. Purdue University.

Technology


Theatre Arts

Dr. Hongshan He is an Assistant Professor in the Department of Chemistry. Before joining Eastern Illinois University, Dr. He was a Research Assistant Professor and graduate faculty at Center for Advanced Photovoltaics, South Dakota State University (2007-2013), a Staff Scientist at Department of Chemistry and Molecular Biology, North Dakota State University (2004-2006), and Full Professor of Applied Chemistry, National Huaqiao University (2003-2006). Dr. He is an Associate Editor for RSC Advances, an Editorial Board Member of Advances in Chemistry and Pure and Applied Science, a reviewer of many scientific journals including J. Am. Chem. Soc., RSC Advance, Electrochimica Acta, and Crystal Growth & Design, and a lead organizer of Materials Research Society symposium RR (Spring, 2013) and symposium B (Spring, 2014), Symposium MD7 (2016).

Dr. He has demonstrated the innovative use of technology in the classroom by incorporating tablets and videos into his general chemistry lectures and laboratories. With the help of a tablet that projects images clearly on the big screen, Dr. He can deliver the ideas, principles, and critical thinking skills to the students quickly and directly. He can write the chemical equations and formulas, and draw molecular structures on the prepared PowerPoint slides directly and conveniently, which are difficult to achieve otherwise. In addition, Dr. He implemented the use of videos to assist non-science majors with the lab process associated with general Chemistry courses. Dr. He develops the videos and uploads them to D2L for students to watch on their computers, tablets, or smart phones. The impact on students learning has been significant. Most students gained sufficient knowledge before performing the experiments so that they can complete the experiments quickly.
2016 Recipient of the Edwin L. “Bud” May Award

Dr. Eric Davidson, Ph.D. MCHES, CSPS
Interim Director, Health Service and Counseling Center
Director, Illinois Higher Education Center for Alcohol, Other Drug, and Violence Prevention

Since 1998, Davidson has spent his professional career enhancing the health and wellness of the Eastern Illinois University campus overseeing the Health Service’s Health Education Resource Center. Through this opportunity, he has been awarded external funding for campus substance abuse prevention, underage drinking law enforcement, tobacco cessation, tobacco policy, substance recovery community work, and other health issues.

Since 2009, he has served as the primary investigator/project director for the Illinois Higher Education Center for Alcohol, Other Drug, and Violence Prevention, funded through the Illinois Department of Human Services, Bureau of Positive Youth Development. In this role, Davidson helps institutions of higher education throughout Illinois, as well as the nation, enhance their capacity to develop and enhance substance abuse prevention efforts and comply with the federal Drug-Free Schools and Campuses Act through networking, training, and professional development.

Davidson possesses a Ph.D. in Health Education from Southern Illinois University, and a Master’s degree in Clinical Psychology, and two Bachelor’s Degrees (Psychology and Speech Communications) from Eastern Illinois University. He is also both a Certified Masters Community Health Education Specialist and a Certified Senior Prevention Specialist.
Externally Funded Grants Received
Fiscal Year 2016

Academic Affairs

Project Directors: Armstrong, Ke’An / Neal, Jack / Good, Brenda – WEIU
Funding Agency: United Way of Coles County
Title of Project: Raising Readers through EIU Educational Services

Project Directors: Davenport, Mona / Burkhead, Maggie – Minority Affairs
Funding Agency: U.S. Department of Education
Title of Project: TRIO: Student Support Services Program

Director: Neal, Jack – WEIU
Funding Agency: Corporation for Public Broadcasting
Title of Project: CPB Interconnection FY16

Director: Neal, Jack – WEIU
Funding Agency: Corporation for Public Broadcasting
Title of Project: CPB Community Service Grant FY16

College of Arts and Humanities

Director: Lee, Jinhee – History
Funding Agency: Academy of Korean Studies
Title of Project: The Enemy Within: Earthquake, Rumors, and the Colonial Massacre in the Japanese Empire

Director: Rossi, Richard – Music
Funding Agency: Charleston Area Charitable Foundation
Title of Project: Charleston Area Charitable Foundation for the Eastern Symphony Orchestra

College of Education and Professional Studies

Project Directors: Jackman, Diane / Reid, Brian – Early Childhood, Elementary and Middle Level Education
Funding Agency: Rural Schools Collaborative
Title of Project: EIU Rural Schools Collaborative Partnership Grant

Project Directors: Jackman, Diane / Reid, Brian – Early Childhood, Elementary and Middle Level Education
Funding Agency: Southern Illinois University
Title of Project: IDEA: State Personnel Development Grant – IL IHE Partnership

Principal Investigator: Mulvaney, Michael – Recreation Administration
Funding Agency: Village of Hinsdale Parks and Recreation Department
Title of Project: Community-wide recreation interests study for the Village of Hinsdale Parks and Recreation Department

Project Director: Rich, Cynthia – Education and Professional Studies Dean’s Office
Funding Agency: McCormick Foundation
Title of Project: Bringing Civics Back Workshop McCormick Foundation Rich FY16
College of Sciences

Principal Investigator: Colombo, Robert – Biological Sciences
Funding Agency: UIUC/INHS/IDNR/USFWS
Title of Project: Asian Carp

Principal Investigator: Colombo, Robert – Biological Sciences
Funding Agency: Southern Illinois Power
Title of Project: Detailed Plan of Study

Principal Investigator: Colombo, Robert – Biological Sciences
Funding Agency: Southern Illinois Power Cooperative
Title of Project: Lake of Egypt Fishery Biological and Water Quality Studies

Principal Investigators: Colombo, Robert / Bollinger, Eric / Meiners, Scott – Biological Sciences
Funding Agency: IDNR/USFWS
Title of Project: A Long Term Monitoring Program of Fish Population on the Wabash River FY16

Principal Investigator: Deppe, Jill – Biological Sciences
Funding Agency: National Science Foundation
Title of Project: Modeling movement and survival of intercontinental songbird migrants crossing the Gulf of Mexico – Increase #1

Principal Investigator: DiNaso, Steven – Geography
Funding Agency: City of McLeansboro
Title of Project: City of McLeansboro Cemetery Mapping Initiative

Principal Investigator: DiNaso, Steven – Geography
Funding Agency: City of Charleston
Title of Project: GIS Database Development for the City of Charleston (Amendment #9)

Principal Investigator: He, Hongshan – Chemistry
Funding Agency: National Science Foundation
Title of Project: RUI Near—Infrared Emitting Lanthanide Complexes and Their Metallopolymers

Principal Investigator: Holly, Donald – Sociology-Anthropology
Funding Agency: National Science Foundation
Title of Project: Collaborative Research: The Initial Peopling and Settlement of Eastern Newfoundland

Principal Investigators: Konkle, Mary / Menze, Michael – Chemistry / Biological Sciences
Funding Agency: Mindlin Foundation
Title of Project: A Mechanistic Investigation on How the Redox Chemistry of MitoNEET Regulates Energy Homeostasis and Contributes to Disease Progression

Principal Investigator: Konkle, Mary – Chemistry
Funding Agency: Mindlin Foundation
Title of Project: Comparison of the Reactivity of MitoNEET and Miner1
Principal Investigator: **Menze, Michael** – Biological Sciences  
Funding Agency: Mindlin Foundation  
Title of Project: Life without water: How can some organisms survive severe dehydration

Principal Investigators: **Parrish, Andrew / Lakeland, Grant** – Mathematics and Computer Science  
Funding Agency: National Science Foundation  
Title of Project: Eastern Illinois Integrated Conference in Geometry, Dynamics, and Topology

Principal Investigator: **Semeniuc, Radu** – Chemistry  
Funding Agency: American Chemical Society-Petroleum Research Fund  
Title of Project: Neutral dinuclear iron complexes supported by N-amido-Metal bonds

Principal Investigator: **Wheeler, Kraig** – Chemistry  
Funding Agency: National Science Foundation  
Title of Project: RUI: Probing Molecular Recognition Profiles via Quasiracemic Materials

**Graduate School**

Project Director: **Chesnut, Robert** – Research and Sponsored Programs  
Funding Agency: Illinois Department of Human Services  
Title of Project: Prescription Information Library FY16 and FY17

**Lumpkin College of Business and Applied Sciences**

Project Directors: **Baker, Misty / Simpson, Linda** – School of Family and Consumer Sciences  
Funding Agency: Illinois Department of Human Services/U.S. Department of Health and Human Services  
Title of Project: Child Care Resource and Referral FY16

Project Directors: **Baker, Misty / Simpson, Linda** – School of Family and Consumer Sciences  
Funding Agency: Illinois Network of Child Care Resource and Referral Agencies  
Title of Project: INCCRRA Recruitment and Recognition of Early Care and Education Practitioners

Principal Investigator: **Boonsuk, Wutthigrai** – School of Technology  
Funding Agency: Leading Lady, Inc.  
Title of Project: Investigating Enterprise Resource Planning (ERP) System for Leading Lady Company

Director: **McPhillips, Patricia** – Military Science  
Funding Agency: Tawani Foundation  
Title of Project: EIU ROTC Cadet Awards Promotion FY16

**Student Affairs**

Project Directors: **Davidson, Eric / Tozer, Michel** – Health Services  
Funding Agency: Transforming Youth Recovery  
Title of Project: Health Education Resource Center

Project Director: **Davidson, Eric** – Health Services  
Funding Agency: Illinois Department of Human Services  
Title of Project: IDHS SAPP FY2016
Bonnie Laughlin-Schultz is a historian of the 19th century United States who specializes in American women’s history. Her first book, The Tie That Bound Us: The Women of John Brown’s Family and the Legacy of Radical Abolitionism, was published in 2013 and was named a Kansas Notable Book in 2014.

She is now working on a project about 19th century women’s rights reformers and the intersections of their ideology about women’s rights and citizenship with their experiences of motherhood. She teaches the US survey, American women’s history, history of the American family, social studies teaching methods, and historical research/writing, and she serves as coordinator for Social Science Teaching.

2016 Summer Research and Creative Activity Award Recipients

Adom, Assande – Economics
A contemporary investigation into the regional impacts of RTAs: Case study of the AFTZ and the TPP

Ames, Melissa – English
Remediating Cultural Anxieties: The Emotional Terrain of 21st Century TV Programming and Viewing Practices

Bickford, John – Early Childhood, Elementary, and Middle Level Education
Examining Lesbian, Gay, Bisexual, Transgender, and Queer Themes with Children’s and Young Adult Literature

Coddington, Ann – Art
From the Earth, exhibition

Engles, Tim – English
White Male Nostalgia and Second-Wave Feminist Histories: Carol Shields’ “Happenstance”

Foy, Charles – History
Black Dockyard Workers in the Anglo-American Atlantic, 1400-2000

Fritz, Ann – Biological Sciences
Does a single gene predict communal initiation of nest building by fire ants queens?

Jenkins, Lyndsay – Psychology
Gender Differences in Correlates and Stability of Bullying Bystander Roles and Intervention in Middle School
Konkle, Mary – Chemistry
Does Treatment of Type-2 Diabetes Patients with Pioglitazone Impact Activity of Glutamate Dehydrogenase 1?

Laughlin-Schultz, Bonnie – History
The mother’s heart has dissolved the woman’s voice: Lucy Stone and the Dilemma of the Mother–Citizen

Ludlow, Jeannie – English/Women’s Studies
Narrative Medicine, Abortion, and Gender in the U.S.

Mertz, Andrew – Mathematics and Computer Science
Porting the Xinu Operating System to the Zybo Development Board

Nathan, Britto – Biological Sciences
Microscopic Studies on Designer Estrogen to Prevent Alzheimer’s Disease

Pence, Charlotte – English
Code: A Book of Poems in Progress

Patterson, Lee – History
The Roman Presence in Armenia

Periyannan, Gopal – Chemistry
Glutamate Carboxypeptidase II from Caenorhabditis elegans: Wormy Help to Understand Human Diseases

Reid, Debra – History
The East-Central Illinois Agricultural Landscape, 1985 to Present

Robertson, Jemmie – Music
Collaborations: A Music Recording Project

Sememiuc, Radu – Chemistry
Let’s go for a BOGO: Carbon dioxide sequestration and activation by one metal complex

Wixson, Christopher – English
Bernard Shaw and Celebrity Endorsement
Lyndsay Jenkins, Ph.D., is an assistant professor in the Department of Psychology. She primarily teaches courses for the School Psychology program. The overarching goal of her research agenda is to reduce or prevent maladaptive peer interactions by engaging in research projects that (a) understand youth in different bullying roles, particularly prosocial bystanders; (b) investigate the role peers and adults play in preventing or intervening in bullying; (c) develop psychometrically sound measurement tools to assess bullying and bystander behaviors; and (d) create and implement bullying prevention programs based on the social-ecological framework and prevention science.

Nichole Mulvey, PhD, CCC-SLP, is an assistant professor in the department of Communication Disorders and Sciences and teaches undergraduate and graduate courses in language development, language disorders, autism, and interprofessional practice. Her current research interests include the relationship of developmental social and language skills, early literacy curricula and interventions, and interprofessional education and practice.
2015-2016 Council on Faculty Research Award Recipients

Canam, Thomas & Yordanov, Yordan – Biological Sciences
The transcriptome response of white-rot fungi to energy grasses

Chesner, Craig – Geology/Geography
New Discoveries on Samosir Island: A follow-up to a Summer of Geologic Mapping at Toba

Janssen Danyi, Claudia – Communication Studies
Communication managers’ experiences in organizational crises: Navigating tensions between individual and organizational interests and concerns

Jenkins, Lyndsay & Mulvey, Nichole – Psychology & Communication Disorders and Sciences
Social and Language Predictors of Preschool Bullying Roles

Konkle, Mary – Chemistry
Characterization of TZD Drugs Binding to Glutamate Dehydrogenase 1

Nathan, Britto – Biological Sciences
How Does an Ancient Herb Cure Alzheimer’s Disease?

2016-2017 President’s Fund for Research and Creative Activity Award Recipient

Konkle, Mary – Chemistry
Characterizing the Chemical Reactivity of the CISD Proteins MitoNEET and Miner1

2016-2017 Council on Faculty Research

College of Arts and Humanities
Matthew Boonstra
Newton Key

Lumpkin College of Business and Applied Sciences
Simon Lee
Toqeer Israr

College of Education and Professional Studies
Kathryn Havercroft
Jennifer Stringfellow, Chair

College of Sciences
Ronan Bernas

Library Services
Steve Brantley