Parking and Hotel Shuttle Service Parking
Visitors to campus should place their visitor’s parking permit in their front window and park in lots C or D (near Fulkerson Center).

Shuttle
If you would prefer to leave your car at the hotel and take the shuttle to campus, we will be running a shuttle bus between the Drury Inn and the Fulkerson Center during the following hours:

Friday
8:15 AM until 9:30 AM
7:15 PM until 8:00 PM

Saturday
8:00 AM until 8:30 AM
12:30 PM until 1:15 PM
Welcome to Missouri Western!

Welcome to Missouri Western State University and the ninth annual Conference on Applied Learning in Higher Education! Applied learning and community service are central to the mission and values of Missouri Western and are embedded in our orientation events and coursework. Our faculty help students make the connection between the theory of the classroom and the world of work with an emphasis on exploration of new ideas and research. We make every effort to assist our students in becoming responsible citizens in a global society. To me, this represents Missouri Western’s commitment to applied learning and community service.

Thank you for attending the Conference on Applied Learning in Higher Education. We hope it is a rewarding and productive conference.

Dr. Robert A. Vartabedian
President
**Conference Keynote Speakers**

**Dr. Gregory Goins**  
*Blending Undergraduate Research Experiences and Curricula: A Way Forward Through the NSF DUE Gateway*

**Dr. Goins** currently serves as Associate Professor of Biology, North Carolina A&T State University where he was recognized as the 2012-2013 Outstanding Teacher of the Year by the College of Arts and Sciences. Prior to joining the National Science Foundation as a Rotating Program Officer in EHR/DUE, Dr. Goins conducted research in the Space Biology Laboratories at NASA Kennedy Space Center. At Kennedy Space Center, his research work developed advanced plant nutrient delivery and lighting systems for long-duration space travel. He was an instrumental contributor on numerous successful plant growth experiments on Space Shuttle flights in space. He received a B.S. in Biology from U.N.C.-Chapel Hill. He also received an M.S. and Ph.D. in Plant Ecophysiology from North Carolina State University.

**Dr. Linda Blockus**  
*Characteristics of Excellence in Undergraduate Research*

**Linda Blockus** earned her degrees from Dartmouth College (Biology), Boston University (Education Leadership), and the University of Missouri-Columbia (Higher Education). She serves as the Director of the Office of Undergraduate Research at the University of Missouri, directing several university and federally funded programs. As an active member in the Council on Undergraduate Research (CUR) she has served as chair for the Undergraduate Research Program Directors division and currently co-chairs the Student Programming Task Force. She is co-editor (with Joyce Kinkead) of Undergraduate Research Offices & Programs: Models & Practices and co-author (with Susan Larson and Roger Rowlett) of Characteristics of Excellence in Undergraduate Research (COEUR). Dr. Blockus was a fellow at the Center for Advancing Science and Engineering Capacity at AAAS in Washington, DC in 2008-09. She is married to biology professor Mark Kirk and has two daughters.

**Conference Keynote Speakers**

**Valerie Kutcher and Melissa Lanctot**  
*Best Practices in Service Learning*

**Valerie Kutcher** has been at St. John’s University since 2007. In her current role as Associate Director of Academic Service-Learning, Valerie works with St. John’s faculty and with community service sites to develop academic service-learning projects each semester. Valerie graduated from Queens College with a B.A. in History and from St. John’s University with a M.A. in Liberal Studies.

Since starting at St. John’s University in 2011, **Melissa Lanctot** has been listed as Principal or Co-Investigator on more than 20 Institutional Review Board approved research projects. In addition, as Associate Director of Outcomes Assessment and Community Partnerships, Melissa manages all community partnerships for the Vincentian Institute for Social Action. Melissa graduated from the University of Nevada, Las Vegas with a B.A. in Psychology and received an M.A. in Psychology from St. John’s University.
### Friday, March 21

**Fulkerson Foyer**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>8:30 - 9:20</td>
<td>Registration</td>
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<tr>
<td>9:30 - 10:20</td>
<td>Registration, Student/Mentor Symposium</td>
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<tr>
<td>10:30 - 11:20</td>
<td>Registration, Co-Curricular Programming, Undergraduate Research, Student/Mentor Symposium</td>
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<tr>
<td>11:30 - 12:50</td>
<td>Lunch and NSF Keynote</td>
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<tr>
<td>1:00 - 1:50</td>
<td>Registration, Student/Mentor Symposium</td>
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<td>2:00 - 2:50</td>
<td>Registration, Internship/Graduate Research, Symposium</td>
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<tr>
<td>3:00 - 3:50</td>
<td>Registration, JALHE, Student/Mentor Symposium</td>
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<tr>
<td>4:00 - 5:30</td>
<td>Poster Sessions and Hors d’oeuvres</td>
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<tr>
<td>5:30 - 7:15</td>
<td>Dinner and Characteristics of Excellence Keynote</td>
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**Spratt 214**

- Meredith Katchen, Moderator
- **The impact of extra-curriculum applied learning experiences on regular course work and student learning.**
- Lindsey Mean, Whitney Johnson, and John Fisher, Utah Valley University

**Spratt 216**

- Cindy Heider, Moderator
- **The Service Learning Faculty Workshop: Preparation, Delivery, and Assessment.**
- Kevin Carnahan, Virginia Brackett and Travis W. Johnson, Central Methodist University and Park University

**Spratt 211**

- Evelyn Brooks, Moderator
- **Co-Curricular Programming**
- From Us and Them to I and Thou: Dialogically Dismantling Heteronormativity.
- Roy Schwartzman, University of North Carolina at Greensboro and Josh Bledsoe, Blue Ridge Community College

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**www.missouriwestern.edu/appliedlearning**
Teaching future teachers how to teach potentially dangerous activities.

Britton Johnson and Kenneth Kriewitz, Missouri Western State University

INDIVIDUAL PRESENTATION 10:30 - 11:20 AM

Spratt 214 Cindy Heider, Moderator

Undergraduate Research

Undergraduate Research that is being Implemented as a Novel Community-Scale Water Treatment Program in Haiti.

Michael Bellamy, Northwest Missouri State University

Can We Do That?: Promoting Undergraduate Research at the Small Private University

Damon Kraft and Philip Meckley, Kansas Wesleyan University

STUDENT MENTOR SESSION 10:30 - 11:20 AM

Spratt 216 Kelly Henry, Moderator

The comparisons of Anxiety, Depression, Coping strategies, and Psychological Well-being between College Students and Patients with mental illness.

Pi-Ming Yeh, Missouri Western State University

KEYNOTE ADDRESS 11:30 AM - 12:50 PM

Kemper

Lunch

Opening Remarks

Dr. Robert Vartebedian, President, Missouri Western State University

Funding Opportunities for Applied Learning at the National Science Foundation

Gregory Goins, National Science Foundation

STUDENT MENTOR SESSION 1:00 - 1:50 PM

Spratt 214 Mei Zhang, Moderator

Applied Learning in an International Setting: Student/Faculty Collaboration.

Kathleen Tacelosky and Ashley Ferrari, Lebanon Valley College

SYMPOSIUM 1:00 - 1:50 PM

Spratt 216 Baoqiang Yan, Moderator

A Pedagogy of Internship.

Mary King and H. Frederick Sweitzer, Fitchburg State University and University of Hartford

INDIVIDUAL PRESENTATION 2:00 - 2:50 PM

Spratt 214 Monty Smith, Moderator

Internships

Transforming internships through reflection and evaluation.

Wayne Atchley and Denise Martinez, Tarleton State University

Graduate Research

Developing Epistemological Awareness as Applied Learning Strategy for Graduate Students in an Accelerated Doctoral Program.

Antonina Lukenchuk, National Louis University
STUDENT MENTOR SESSION 2:00 - 2:50 PM
Spratt 216       Regan Dodd, Moderator

Practica role reversal: A student’s transition from client to service learning supervisor.
David Shadinger, Taylor Hartong, and Joy Daggs, Northwest Missouri State University

JALHE 3:00 - 3:50 PM
Spratt 211

Information on the Journal of Applied Learning in Higher Education.
Kenneth Rosenauer, Editor, JALHE

STUDENT MENTOR SESSION 3:00 - 3:50 PM
Spratt 214

Evelyn Brooks, Xandria Thomas, Brenda Lovelady, Megan Gawatz, Jamie Bartley, Amy Scott and Melissa Fowler, Missouri Western State University

SYMPOSIUM 3:00 - 3:50 PM
Spratt 216       Kelly Henry, Moderator

Simulations as an Applied Exercise in Capstone Courses.
Chi Lo Lim and Ben Blackford, Northwest Missouri State University

POSTERS 4:00 - 5:30 PM
Rochambeau

1. All Nurses as Rehab Nurses: Applied Assignments for Learning. 
Diane Bottorff, Baker University

2. The Cell Collective Promotes Student Understanding and Interest: A Pilot Study. 
Tyler Herek, Lauren Dahlquist, Tomas Helikar, and Christine E. Cutucache, University of Nebraska

Wen-Jung Hsin, Park University

4. UNO Students as Service Leaders: Pioneers in STEM for Informal Education. 
Joshua J. Larson, Lauren M. Dahlquist and Christine E. Cutucache, University of Nebraska at Omaha

5. Applied Reflective Assignments to Engage Students for Leadership. 
Wanda Bonnel, University of Kansas

6. Assessing the Need for Applied Learning Assignments in Self-Care and Health Promotion. 
Megha Bonnel, Fort Hays State University

7. Service Based Learning and the Impact on Cultural Competence in Nursing Education. 
Michelle Hamlin, MidAmerica Nazarene University

Mohammed J. Meziani, M. Abdul Mottaleb, Northwest Missouri State University

Cary D. Chevalier, Missouri Western State University
1. Narrowing the gap between models and observations in predicting future isoprene emission loads into the atmosphere: a modelling study.
   Jesse Campbell, Phillip Mueller, Sandra Pitcher, and Csengele Barta, Missouri Western State University
2. Assessing microhabitat preference for potential tick vectors of vertebrate pathogens in northwest Missouri.
   David Ashley, Brian Ramsay, Tim McIntosh, and Nick Lammoglia, Missouri Western State University
3. Reliability Modeling or Power Transformers.
   Shensheng Tang, Clay Hale and Hardik Thaker, Missouri Western State University
4. Utilizing statistical evidence to demonstrate the impact of implementing an educational initiative to improve time to discharge in emergency rooms.
   Amy L. Scott, Missouri Western State University
5. Understanding the use of statistical analysis in evaluating the effectiveness of rapid response teams on treatment of severe hypoglycemia.
   Xandria Thomas, Missouri Western State University
6. Understanding call light usage of patients at a Midwest hospital through an applied learning experience.
   Melissa Fowler, Missouri Western State University
   Brenda Lovelady, Missouri Western State University
   Jamie Bartley, Jacki Jackson, and Michelle Buchanan, Missouri Western State University
   Megan Gawatz, Missouri Western State University
    Ben Olsen and Cary D. Chevalier, Biology Department, Missouri Western State University
    Cary D. Chevalier, Missouri Western State University
    Crystal Poole, Biology Department, Missouri Western State University
    Coltin Ridenour, Biology Department, Missouri Western State University
    Olivea Mendenhall, Biology Department, Missouri Western State University
    Bethany Thornton, Biology Department, Missouri Western State University
    Ben Olsen, Chris Herrod, Rachel Reece, and Cary D. Chevalier, Biology Department, Missouri Western State University
    Brittany Bremer, Casey Long, Olivea Mendenhall, and Cary D. Chevalier, Biology Department, Missouri Western State University
18. Applied Learning through case studies in Mammalogy: Thermoregulation in marine and land mammals. Brittany Bremer, Josh Ferrell, Olivea Mendenhall, and Cary D. Chevalier, Biology Department, Missouri Western State University.

19. Applied Learning through case studies in Mammalogy: Current conservation status of the Mexican gray wolf (Canis lupus baileyi). Crystal Daggett, Mary Kate Wiley, and Cary D. Chevalier, Biology Department, Missouri Western State University.

20. Applied Learning through case studies in plant physiology: The ecological, economic, and cultural necessity of Mangrove ecosystems. Bethany Thornton and Csengele Barta, Biology Department, Missouri Western State University.

21. The Effects of Abscisic Acid (ABA) and Gibberelic Acid (GA3) on Plant Development. William Walker, Dillon Howe, and Csengele Barta, Missouri Western State University.


KEYNOTE ADDRESS 5:30 - 7:15 PM

Kemper

Dinner

Characteristics of Excellence in Undergraduate Education

Linda Blockus, University of Missouri
KEYNOTE ADDRESS  10:30 - 11:20 AM
Kemper
Lunch
Institutionalizing Service Learning
Valerie Kutcher and Melissa Lanctot, St. John’s University

STUDENT SESSION  11:30 AM - 12:20 PM
Spratt 214   Csengele Barta, Moderator
Student Perspectives in the Successful Implementation of Informal Education in STEM.
Hannah Wyble and Christine E. Cutucache, University of Nebraska
The Effects Undergraduate Research has on Students Decision to Attend Graduate School.
Hillary King, Tarleton State University

STUDENT MENTOR SESSION 11:30 AM - 12:20 PM
Spratt 216   Pi-Ming Yeh, Moderator
It still takes a village: An international perspective on technology in the northwest corridor.
Marsha Walker, Lewis McKeliver and Kamauri Whitmore, Johnson C. Smith University

PRACTICA ROLE REVERSAL: A student’s transition from client to service learning provider
David Shadinger and Taylor Hartong, Northwest Missouri State University

SERVICE LEARNING
A service-learning abroad experience for undergraduate health science students.
Sarah Evans, Karyn Turla, and Jerry Smartt, Friends University
Rethinking Service Learning: The Potential Impact of Long Term Assessment Models.
Anthony Michel, Avila University

SYMPOSIUM  9:30 - 10:20 AM
Spratt 216   Carol Roever, Moderator
Implementing a sustainable applied learning program campus wide.
Denise Martinez, Wayne Atchley and Darla Doty, Tarleton State University

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Missouri Western State University is focused on students as individuals and as members of society. The University offers students at all stages of life the opportunity to achieve excellence in the classroom and beyond, as they prepare to be leaders in their work and in their communities. Missouri Western offers more than 75 degrees, providing a blend of traditional liberal arts and career-oriented programs. Students can earn one-year certificates, two-year associate degrees, bachelor’s or master’s degrees.

Missouri Western demonstrates a strong commitment to the educational, economic, cultural and social development of the people it serves. The university sets the standard for excellence in student development and community leadership. Enrollment is approximately 5,823, with 195 full-time faculty members. Technologically up-to-date instructional facilities and excellent recreational facilities are complemented by a 744-acre beautifully landscaped campus.

**OTHER INFORMATION**

Drury Inn: 816-364-4700
Academic Affairs, MWSU: 816-271-4364
KCI Shuttle Service: http://www.flykci.com/direction/shuttle/Index.htm
Campus Police: 816-271-4438

http://www.missouriwestern.edu/appliedlearning/
MISSOURI WESTERN STATE UNIVERSITY

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Applied Learning Office - 816.271.4364