



# Oklahoma NSF EPSCoR 2018 Annual State Conference

TUESDAY, APRIL 24, 2018 \* EMBASSY SUITES HOTEL \* OKLAHOMA CITY, OK

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## AGENDA

**7:30 A.M. Registration & Continental Breakfast**

**OPENING SESSION** (Ballroom C/D)

**8:20 A.M. Welcoming Remarks**

Ray Huhnke, Project Director & PI, Oklahoma NSF EPSCoR

**OBSERVING SOCIAL SYSTEMS IN A CHANGING CLIMATE** (Ballroom C/D)

**8:30 A.M. Extreme Weather Preparedness in Oklahoma: An Empirical Test of Social Vulnerability and Adaptive Capacity**

Joseph Holler, Asst. Professor, Dept. of Geography, Middlebury College

**9:00 A.M. Building Oklahoma's Ability to Explore and Understand the Social and Ecological Impacts of Management and Policy Decisions**

Peter Kedron, Asst. Professor, Dept. of Geography, OSU

**9:20 A.M. An Overview of Sociological Research on the Oklahoma EPSCoR Project**

Duane Gill, Professor, Dept. of Sociology, OSU

**9:40 A.M. Connecting Earth and Sky: Climate Change Skepticism and Disaster Preparedness in Oklahoma**

Benjamin Gray, Postdoc. Fellow, Dept. of Sociology, OSU

**10:00 A.M. Networking Break (20 minutes)**

**OBSERVING SOCIAL SYSTEMS IN A CHANGING CLIMATE, CONT.** (Ballroom C/D)

**10:20 A.M. The Oklahoma M-SISNet: Where We've Been and Where We're Going**

Carol Silva, Professor and Director, Center for Risk & Crisis Management, OU  
Hank Jenkins-Smith, Professor & Co-Director Center for Risk & Crisis Management, OU  
Joe Ripberger, Asst. Professor & Deputy Director for Research, Center for Risk & Crisis Management, OU

**10:40 A.M. Vulnerabilities and Resilience Across Oklahoma: A Summary of Findings From a Multi-Year, Socio-Ecological Assessment of Climate Change Threats to Communities in Four Watersheds in Oklahoma**

Jack Friedman, Research Scientist, Center for Applied Social Research, OU  
Mike Stanton, Postdoctoral Fellow, Center for Applied Social Research, OU

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### OBSERVING ECOLOGICAL SYSTEMS IN A CHANGING CLIMATE (Ballroom C/D)

- 11:10 A.M.**     **Landscapes as Moderators of Thermal Conditions: Implications for Ecological Patterns and Processes**  
Evan Tanner, Postdoctoral Fellow, Dept. of Natural Resource Ecology & Management, OSU
- 11:30 A.M.**     **Woody Plant Dynamics in Fragmented Grasslands of the Southern Great Plains, USA**  
Rheinhardt Scholtz, Postdoctoral Fellow, Dept. of Natural Resource Ecology & Management, OSU
- 11:50 A.M.**     **Understanding Long-term Juniper Forest Encroachment into Grasslands in Oklahoma and the Consequences on Local Climate, Primary Production, and Evapotranspiration**  
Jie Wang, Postdoctoral Fellow, Dept. of Microbiology & Plant Biology, OU

### NETWORKING LUNCHEON (Included for all registered guests; Ballroom A/B)

- 12:10 P.M.**     **Luncheon**

### SOCIO-ECOLOGICAL DECISION SUPPORT IN A CHANGING CLIMATE (Ballroom C/D)

- 1:30 P.M.**     **Progress and Prospects for Soil Moisture Monitoring and Application in Oklahoma and Beyond**  
Tyson Ochsner, Assoc. Professor, Dept. of Plant & Soil Sciences, OSU
- 1:50 P.M.**     **Impacts of Weather Variability on Soil Moisture and Groundwater in Oklahoma: Interactive Geospatial Analysis and Decision-Support Tools**  
Jadwiga Ziolkowska, Asst. Professor, Dept. of Geography & Environmental Sustainability, OU

### POSTER SESSION (Atrium)

- 2:10 P.M.**     **Poster Session Highlighting Climate Variability Research and Water-Related Modeling**
- 3:10 P.M.**     **Networking Break (15 minutes)**

### SOCIO-ECOLOGICAL INTEGRATED MODELING (Ballroom C/D)

- 3:30 P.M.**     **The Kiamichi Envision Model: Results and Utility**  
Ron Miller, Postdoctoral Fellow, Dept. of Biosystems & Agricultural Engineering, OSU
- 3:50 P.M.**     **Perceptions of Academic and Government Expert Groups in Watershed Management: A Case of the Cimarron River Watershed, Oklahoma, USA**  
Gehendra Kharel, Postdoctoral Fellow, Dept. of Natural Resource Ecology & Management, OSU

### OUTREACH AND EDUCATION (Ballroom C/D)

- 4:10 P.M.**     **Investing in the Future: 2018 Cameron University Engineering and Applied Mathematics Summer Academy**  
Sheila Youngblood, Asst. Professor, Dept. of Chemistry, Physics & Engineering, CU
- 4:30 P.M.**     **Adjourn**