



Oklahoma NSF EPSCoR 2018 Annual State Conference

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

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 Contributions to the Oklahoma NSF EPSCoR Project
Duane Gill, Professor, Dept. of Sociology, & Director, Center for the Study of Disasters & Extreme Events, OSU

9:40 A.M. Connecting Earth and Sky: Using Cultural Models to Understand and Communicate
Benjamin Gray, Postdoctoral 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
Hank Jenkins-Smith, Professor, Political Science; Co-Director, Center for Risk & Crisis Management, OU
Joe Ripberger, Deputy Director for Research, Center for Risk & Crisis Management, OU
Carol Silva, Professor, Political Science; Director, 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 Landscapes of the 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

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

- 12:10 P.M.** **Networking Luncheon**
- 12:45 P.M.** **Luncheon Speaker: Tim VanReken, Program Director, National Science Foundation**
NSF EPSCoR Update

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

- 1:30 P.M.** **Progress and Prospects for Soil Moisture Monitoring and Applications 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.** **2017 Cameron University Engineering and Applied Mathematics Summer Academy: Student Enrichment and Engagement by the Engineering Design Process**
Sheila Youngblood, Asst. Professor, Dept. of Chemistry, Physics & Engineering, CU
- 4:30 P.M.** **Adjourn**