



**Agenda**  
**2016 Solar Energy-Water-Environment Nexus in Nevada**  
**Annual Meeting**  
**March 13-15, 2016**  
**University of Nevada, Reno**

Google Site: <https://sites.google.com/a/nshe.nevada.edu/2016-nexus-annual-meeting/>

**March 13, 2016**

**Joe Crowley Student Union, Great Room**

08:30 am - 09:00 am	Graduate Student Retreat Breakfast
09:00 am - 05:00 pm	Graduate Student Retreat – Organizers: M. Casella (NSHE) and J. Ewing-Taylor (UNR) Facilitator: Dr. Mel Minarik (UNR)

**March 14, 2016 (all events this day are plenary) (All Nexus participants and EAC)**

**Joe Crowley Student Union, Milt Glick Ballroom**

09:00 am - 09:30 am	Breakfast
09:15 am - 09:30 am	Welcome/Introductory Remarks
09:30 am – 09:45 am	<p>Research Presentations  <i>Presenting author is underlined; letters and numbers following each title indicate the project Goal (G), Objective (O) and Benchmark (B)</i></p> <p><u>R. Boehm</u>, Y. Chen, K. Kekaula, and R. Hurt (Center for Energy Research, UNLV) – Improving the effectiveness of dry cooling for condensing steam. (G1,O1,B1)</p>
09:45 am – 10:00 am	<u>E. Yfantis</u> , K. Moutafis, E. Zamora, and M. Ramose (UNLV) – Using remote sensing to detect particle deposition on panels and mirrors. (G1,O1,B5)
10:00 am – 10:15 am	<u>D. Devitt</u> and L. Apodaca (UNLV) – Microclimate change of desert plant communities. (G1,O2,B1)
10:15 am – 10:30 am	<u>M. Berli</u> (DRI) – Impacts of solar arrays on the water balance of soils. (G1,O2,B2)
10:30 am – 10:45 am	<u>H. Stephen</u> and M. Edalat (UNLV) – Remote sensing of the effects of solar energy installations on land cover and surface temperature. (G1,O2,B5)
10:45 am - 11:00 am	Break
11:00 am – 11:15 am	<p>Research Presentations Continued</p> <p><u>Y. Baghzouz</u>, (UNLV), M. Etezadi-Amoli, H. Lavani, S. Fadali (UNR) – Microgrid – A test bed for future smart grids with distributed generation. (G1,O4,B1)</p>
11:15 am – 11:30 am	<u>E. Wilcox</u> , J. Mejia, Y. Shan, and M. Giordano (DRI) – Solar irradiance forecasting. (G1,O4,B2)
11:30 am – 11:45 am	<u>T. Harris</u> (UNR) – Economic analysis of solar/renewal energy projects. (G1,O4,B3)
11:45 am – 12:00 pm	<u>Y. Jiang</u> , M. Yang, X. Ma, and Z. Fu (UNLV) – Enabling data-driven research with cloud computing. (G1,O5,B3.b)
12:00 pm – 12:15 pm	<u>M. Gunes</u> and M. Yuksel (UNR) – Enhancement of cyber security and privacy mechanisms for the power grid. (G1,O5,B3.d)

12:15 pm - 01:30 pm	1) Lunch 2) SmartStart makes 15 min presentation on evaluation during lunch
01:30 pm - 01:50 pm	Diversity Spotlight: <u>M. Casella</u> (NSHE) – Application Writing Workshops for students applying to the Undergraduate Research Opportunities Program (UROP) (G2,O1,B2)
01:50 pm - 02:10 pm	Education Spotlight: <u>N. LaTourrette</u> (UNR) – “STEMBOPS” Bilingual Online Peer Sessions (G3,O6,B1)
02:10 pm - 02:30 pm	External Engagement Spotlight: <u>C. Tomchuk</u> (VEA) and M. Berli (DRI) – Protecting the Mohave Desert Tortoise: Valley Electric Association’s Community Solar Project (G4,O1,B1-3)
02:30 pm - 03:00 pm	Break
03:00 pm - 04:00 pm	Nevada Research Data Center demo and tutorial
04:00 pm - 05:30 pm	Graduate Student Poster Session
05:30 pm	Day 2 Adjourns 1) NEXUS attendees: Dinner on own 2) EAC Meets in Whitney Peak Hotel

**March 15, 2016 (All Nexus Participants and EAC)**  
**Joe Crowley Student Union, Milt Glick Ballroom**

07:30 am – 08:00 am	Breakfast
08:00 am – 09:30 am	1) NEXUS Speed Networking (Plenary) 2) EAC develops recommendations - <i>Room 317</i>
09:30 am – 10:00 am	1) Leadership meets with EAC to answer any questions - <i>Room 317</i> 2) Break for all other attendees
10:00 am - 11:30 pm	1) Proposal and Publication brainstorming (Plenary) 2) EAC continues developing recommendations - <i>Room 317</i>
11:30 am – 12:00 pm	EAC reports out recommendations to all participants
12:00 pm – 02:00 pm	Working Lunch (box lunches) 1) Component Teams Meet – Year 4 planning Research – <i>Milt Glick Ballroom</i> Cyberinfrastructure – <i>Room 320</i> Workforce Development – <i>Great Room</i> 2) EAC departures
02:00 pm	Meeting adjourned; Departures