



**2017 Solar Energy-Water-Environment Nexus in Nevada
Annual Meeting Agenda
March 27-29, 2017
University of Nevada, Las Vegas**

Google Site: <https://sites.google.com/a/nshe.nevada.edu/2017-nexus-annual-meeting/>

March 27, 2017

Graduate Students Stan Fulton Building, Salon C	
07:30 am - 08:00 am	Graduate Student Workshop Breakfast
08:00 am - 03:00 pm	Science Communication Graduate Workshop – Organizers: M. Casella (NSHE) and J. Ewing-Taylor (UNR) Facilitator: Dr. Jane Palmer (Science Writer and Radio Journalist)
External Advisory Committee and Leadership Team Only Hyatt Place Meeting Room 7	
04:00 pm - 05:00 pm	Presentation
05:00 pm – 05:15 pm	Transportation to Site Demonstration
05:15 pm – 06:15 pm	Site Demonstration
06:15 pm – 06:30 pm	Transportation to EAC/Project Leadership Team Dinner
06:30 pm	EAC/Project Leadership Team Dinner

March 28, 2017 (all events this day are plenary) (All Nexus participants and EAC)

Stan Fulton Building, Salon B

08:30 am - 09:00 am	Poster Setup (Salon A)	
08:45 am	Bell Trans Shuttle – Hyatt Place to Stan Fulton Walking Directions	
09:00 am - 09:30 am	Breakfast	
09:15 am - 09:30 am	Welcome/Introductory Remarks	
09:30 am – 10:45 am	Nexus Presentations	
	09:30-09:45	J. Moon, D. Karas, C. Jose (UNLV) – High Temperature Materials for Solar Receivers
	09:45-10:00	B. Das, S. Das and R. Mookherjee (UNLV) – Nanotechnology and Dust Mitigation on Solar Panels
	10:00-10:15	M. Berli, M. Cablk (DRI), A. Sheets, L. Brazfield (NSHE) – NEXUS External Engagement Spotlight
	10:15-10:30	J. Batista, S. Ahmad, S. Bukhary (UNLV). Understanding Energy Intensity and Carbon Footprint for Transport and Treatment of Drinking and Wastewater
	10:30-10:45	S. Hiibel, C. Taylor (UNR) – Membrane Distillation for On-Site Water Reuse at Solar Facilities
10:45 am - 11:00 am	Break	
11:00 am – 12:00 pm	Nexus Presentations Continued	

	11:00-11:15	H. Livani, M. Etezadi-Amoli, S. Fadali, M. Majidi (UNR), YBaghzous (UNLV) – Recapturing Wasted Energy in Water Pressure Reducing Valves via In-Conduit Hydro-power Generators
	11:15-11:30	M. Casella, A. Sheets (NSHE) - Nevada STEM Mentor Network
	11:30-11:45	S. Abella, D. Genticore (UNLV) – Mitigation of Solar Energy Impacts on Desert Ecosystems
	11:45-12:00	H. Sun (DRI) - Solar Plant Impacts on Desert Soil Crusts and Mitigation Strategies
12:00 pm - 01:00 pm	1) Lunch 2) SmartStart Presentation	
01:00 pm – 02:00 pm	Nexus Presentations Continued	
	01:00-01:15	D. Uz, T. Harris (UNR) – Residential Rooftop Solar Energy Regulations Across the US
	01:15-01:30	E. Marti (UNLV) – Teacher Professional Development: Bringing Engineering Design and Solar Energy Concepts into the Classroom
	01:30-01:45	S. Strachan, E. Fritzinger, H. Munoz, C. Scully-Allison, V. Le, F. Harris (UNR) – Comprehensive QA/QC Management Software Environment for Fine-Resolution Scalable Sensor Datasets
	01:45-02:00	F. Harris, S. Dascalu, E. Fritzinger, S. Strachan, L. Yang, V. Le, H. Munoz, C. Scully-Allison (UNR) – Data streaming and Visualization
02:00 pm - 03:15 pm	Agency Presentations	
	Dr. Carole Read, NSF Program Officer, Energy for Sustainability Program	
	Dr. Avi Shultz, Acting Director for DOE Concentrated Solar Program and member of the Sunshot Initiative	
03:15 pm - 03:30 pm	Break	
03:30 pm - 04:30 pm	Agency Program Director round tables with faculty and students ¹	
04:30 pm - 06:00 pm	Graduate Student Poster Session (Salon A)	
06:00 pm	Day 2 Adjourns 1) NEXUS attendees: Dinner on own 2) EAC Meets in Hyatt Place Hotel – Meeting Room 7	
06:10 pm	Bell Trans Shuttle – Stan Fulton to Hyatt Place Walking Directions	

March 29, 2017 (All Nexus Participants and EAC)

Stan Fulton Building, Salon B

07:30 am	Bell Trans Shuttle – Hyatt Place to Stan Fulton Walking Directions
07:30 am – 08:00 am	Breakfast
08:00 am – 09:45 am	1) Publication Sandbox Sessions 2) EAC develops recommendations – <i>Salon A</i>
09:45 am – 10:00 am	Break
10:00 am – 11:00 am	1) Proposal Sandbox Sessions 2) EAC report-out to leadership team – <i>Salon A</i>

11:00 am – 11:30 am	EAC reports out recommendations to all participants
11:30 pm – 01:30 pm	Working Lunch (box lunches) 1) Component Teams Meet – Year 5 planning Research – <i>Salon B</i> Cyberinfrastructure – <i>Room 220</i> Workforce Development and Diversity – <i>Executive Conference Room</i> 2) EAC departures
11:45 am	Bell Trans Shuttle – Stan Fulton to Hyatt Place Walking Directions
01:30 pm	Meeting adjourned; Departures
01:30 pm	Bell Trans Shuttle – Stan Fulton to Hyatt Place and continues to McCarran International Airport Walking Directions

¹Each PD at a table and faculty go to the person/table they want to talk to.