



COLLEGE OF AGRICULTURE & LIFE SCIENCES
**Soil, Water and
Environmental Science**

Wednesday April 11, 2018
The University of Arizona Student Union

South Ballroom:

9am-12pm.....SWESx Student Poster Competition
12-2pm.....Lunch break

North Ballroom:

2-3:30pm.....Plenary Speaker Session
3:30-4:30pm.....Keynote Speaker
5-8pm.....Happy Hour

Thursday April 12, 2018
Catalina and Tucson Rooms, Student Union

SWESx Oral Presentations

9-9:15am: **E. Schuyler Chew:** A collaborative investigation of climate change adaptation for the Pyramid Lake Paiute Tribe

9:15-9:30am: **Mohammad Gohardoust:** Application of the PARSWMS Parallelized Code for Simulation of Three-Dimensional Water Flow and Solute Transport in Containerized Soilless Substrates

9:30-9:45am: **David Huskey:** Removal of lead (Pb) from solution by corn and pea root border cells

9:45-10am: **Lydia Jennings:** Developing Microbial Bio-indicators of Soil Formation on Reclaimed Mine Tailings in Southern Arizona

10-10:15am: **Joseph Mennel:** Changing Winter Precipitation and Temperature Regimes Likely to Impact Arizona's Water Resources

10:15-10:30am: **Valerisa Joe:** Development of Native American Produce Safety and Agricultural Water Quality Trainings in Arizona

10:30-10:45am: **Yake Wang:** Transport of graphene in porous media

10:45am-11am: **Bryan Moravec:** Architecture of the Deep Critical Zone, Valles Caldera, New Mexico

11-11:15am: **Christina Morrison:** Verification of virus removal by Soil Aquifer Treatment via non-human viruses used as conservative indicators

11:15-11:30am: **Patrick Rundhaug:** The application of lower-cost remediation methods and of community-engagement efforts to enhance management of Superfund sites.

11:30-11:45am: **Hanna Hard:** Assessing the feasibility of using a sealed landfill for agricultural graze land

11:45-12pm: **Christopher Shepard:** A humped clay production model

12-1 LUNCH

1-1:15pm: **Lia Ossana:** Using total nitrogen and DNA biomass content as biogeochemical indicators of incipient soil development through measuring mining waste rock revegetation

1:15-1:30pm: **Rebecca Bernat:** Meeting Arizona Water Management Objectives with Long-Term Storage Credits

1:30-1:45pm: **Yadi Wang:** The relationship between chemodynamic solute behavior and hydrological flows of a controlled hillslope experiment

1:45-2:00pm: **Rob Lynch:** Might Recycled Water Inhibit Toxin-Producing Algae?