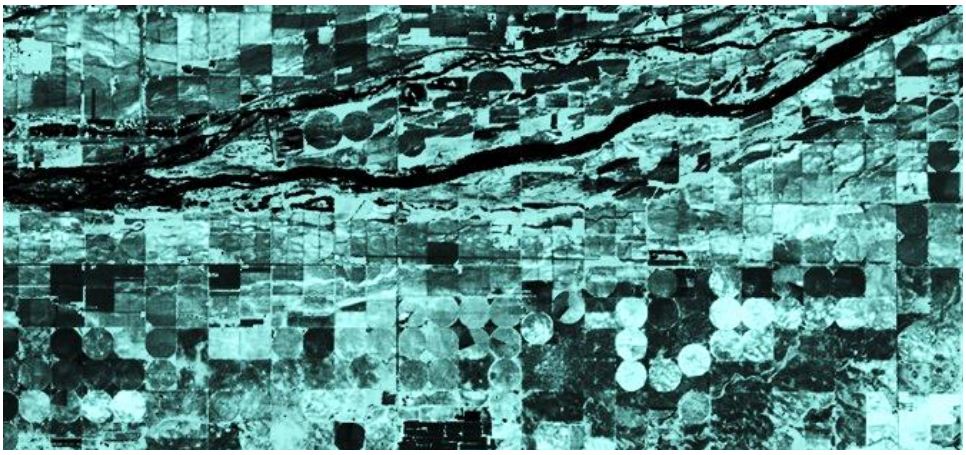

SYMPOSIUM | NOV. 7, 2016 | PHOENIX, AZ

SOIL MOISTURE SENSING FOR CROP HEALTH ASSESSMENT AND MANAGEMENT

Insights on improving crop productivity pointing to soil moisture status!

Soil moisture sensing through either contact or remote technology captures soil-plant-water information that relates closely with plant water availability and use. This session addresses measures of soil moisture and their relationship with plant health status, crop growth and development (e.g., canopy cover/structure), crop productivity, soils management and response to agronomic inputs. Innovations in remote sensing technologies that can inform plant health assessment, growth simulation models and crop management, including the timeliness (i.e., output delivery time) of data from a satellite, airborne or UAV platform will be featured. Participants will gain insights into opportunities for improving crop productivity in relation to soil moisture status.

Speakers

- **J. L. Hatfield**, USDA-ARS, *("Decision frameworks for agriculture")*
- **J. Shriver**, Planetary Resources, *("Maps using thermal imagery")*
- **M. Wolleben**, Skaha Remote Sensing Ltd., *("Passive radiometers & UAVs")*
- **H. L. Neely**, Texas A&M University, *("Soil-up approach to precision ag.")*
- **L. H. Comas**, USDA-ARS, *("Remotely-sensed plant parameters")*
- **H. Zhang**, USDA-ARS, *("Soil water deficit using canopy temperature")*
- **K. R. Reddy**, Mississippi State University, *("Irrigation with sensor/ET-based")*
- **G. L. Ritchie**, Texas Tech University, *("Soil moisture sensors in cotton")*

Monday, November 7, 2016

8:00 AM – 11:40 AM

Symposium Organizers:

American Society of Agronomy Communities of

Airborne and Satellite Remote Sensing & Soil-Plant-Water Relations

More information, visit:

https://www.acsmeetings.org

Resilience Emerging from Scarcity and Abundance

2016 ASA, CSSA, SSSA International Annual Meeting Phoenix, AZ