Session IV
Moderator - Kelly Attebury, Soil Scientist, Lubbock
8:45 a.m. Incorporating Better Soil Knowledge in the Noah-MP Land Surface Model - Yohannes Yimam, Texas A&M University, College Station

3:15 p.m. Break/Posters

3:45 p.m. Report from PSSAT Annual Meeting - Jacob Eickstead, President PSSAT, Railroad Commission of Texas, Austin
9:00 a.m. The Challenge of Improving Soil Condition in Semi-Arid Environments - Paul DeLaune, Texas A&M AgriLife Research, Vernon

4:00 p.m. Opportunities Await You Outside the Comfort Zone - Eugene Brans, Retired Prof. of Soil Science, Houston
9:15 a.m. Measuring Soil Salinity Changes with Irrigation in Naturally Saline Soils - Juan Herrero, Texas Tech, Lubbock

4:15 p.m. Between Earth and Sky - Stories from the Last Frontier - David C. Weindorf, Texas Tech, Lubbock
9:30 a.m. Soil Science Program at Tarleton Donald G. McGahan, Tarleton State University, Stephenville

4:30 p.m. Announcement of Student Contest Winners (Winners need to stay for pictures and fill out forms)
9:45 a.m. Break/Posters

5:00 p.m. Adjourn

6:00 p.m. Mixer and Evening Meal at G. Rollie White Conference Center, 7707 Raymond Stotzer Parkway (Hwy 60), College Station, TX 77845

Friday, February 5, 2016

Session V
Moderator - Dennis Brezina, Resource Soil Scientist, Bryan

8:00 a.m. Soil Forming Factor and Brazos Bend - Charles E. Pehl, Retired Soil Scientist at Texas A&M University, Houston
10:00 a.m. Developing Gridded Soil Moisture Maps Using NRCS SSURGO - Steven Quiring, Texas A&M University, College Station

8:15 a.m. Summary of the 2015 Global Soil Security Symposium - Cristine Morgan, Texas A&M University, College Station
10:15 a.m. UAS-Platforms for Agriculture Research and Precision Management - Murilo Maeda, Texas A&M AgriLife Research, Corpus Christi

8:30 a.m. Soil Rennaissance and the Soil Health Institute - Brook Garkamp, Project Coordinator at Samuel Roberts Noble Foundation, Ardmore, OK
10:30 a.m. Opportunities for Assessing Crop Stress in Corn and Cotton Using Unmanned Air Systems (UAS) - John Valasek, Texas A&M University, College Station

8:45 a.m. Sensor and Data Analysis Pipeline - Yeyin Shi, Texas A&M University, College Station
11:00 a.m. Challenges and Opportunities in UAS-Based Precision Agriculture - Haly Neely, Texas A&M University, College Station

8:50 a.m. Assignments for the 2016 U.S. Soil Security Symposium
11:15 a.m. Wrap Up - Cristine Morgan, Texas A&M University, College Station

Session VI
Moderator - Yohannes Yimam, Texas A&M University, College Station

10:00 a.m. Break/Posters
**10-11 a.m. Concurrent Session: Navigating NRCS Job Application, Students or Recent Grads, Room 502 - Alan Stahnke, Texas NRCS State Soil Scientist, Temple**

Thursday, February 4, 2016

7:15 - 9:00 a.m.  **Registration (1st Floor)**

8:00 a.m.  **Introductions**

8:10 a.m.  **Welcome and Comments - Dr. Doug Steele, Director, Texas A&M AgriLife Extension Service, College Station**

8:25 a.m.  **Highlights of the National Cooperative Soil Survey in Texas - Alan Stahnke, NRCS, State Soil Scientist, Temple; Cristine Morgan, Texas A&M University, College Station; Haly Neely, Texas A&M University, College Station; Sam Feagley, Texas A&M University, College Station**

9:45 a.m.  **Soil Science Division Update - David Lindbo, NRCS, Director of Soil Science Division, Washington, DC**

10:05 a.m.  **Break/Posters**

10:05 a.m.  **Session II  Moderator - Shanna Dunn, Resource Soil Scientist, Corpus Christi**

10:35 a.m.  **National Soil Survey Activities and Direction - David Hoover, National Leader Soil Business, National Soil Survey Center, Lincoln, NE**

11:00 a.m.  **Highlights for Region 9 Soil Survey Division - Drew Kinney, NRCS, Soil Survey Regional Director, Temple**

11:05 a.m.  **Does a Raster-based Soil Survey for an Updated Product Make Sense for the Future of Soil Survey? - Maxine Levin, National Leader Interpretations, National Soil Survey Center, Beltsville, MD**

11:20 a.m.  **As You Contemplate Raster Mapping... - Lynn E. Loomis, NRCS Soil Scientist and MLRA Office Leader, Marfa**

11:35 a.m.  **The Search for Evidence of Life in Ancient Soil Systems: Precambrian Paleosols - Steven Driese, Baylor University, Waco**

11:50 a.m.  **Lunch/Posters**

1:00 p.m.  **Texas Professional Geoscience License - Jake Mauzer, Texas A&M University, College Station**

1:05 p.m.  **Continuous Depth Profiles of Soil Clay Content From Penetrometer-based in situ VisNIR Spectroscopy - Jason P. Askerson, Texas A&M University, College Station**

1:15 p.m.  **Electromagnetic Induction as a Tool for Mapping Coarse Fragments in Texas - David Hatch, Texas A&M University, College Station**

1:30 p.m.  **Understanding Airborne-γ Radiomerics through Soil Inventory and Proximal γ-ray Sensing Techniques - Gregory Rouze, Texas A&M University, College Station**

1:45 p.m.  **Reconstructing pH of Paleosols from Geochemical Proxies - William E. Lukens, Baylor University, Waco**

2:00 p.m.  **Estimating Soil Hydraulic Properties Using Pedotransfer Functions in Texas: The Role of Soil Organic Carbon - Juliesta Collazo, Texas A&M University, College Station**

2:15 p.m.  **Does a Raster-based Soil Survey for an Updated Product Make Sense for the Future of Soil Survey? - Maxine Levin, National Leader Interpretations, National Soil Survey Center, Beltsville, MD**

2:30 p.m.  **As You Contemplate Raster Mapping... - Lynn E. Loomis, NRCS Soil Scientist and MLRA Office Leader, Marfa**

2:45 p.m.  **The Search for Evidence of Life in Ancient Soil Systems: Precambrian Paleosols - Steven Driese, Baylor University, Waco**

3:00 p.m.  **Semi-Arid Cropping Rotation System Under No-Till Management - Matthew Bean, Texas A&M University, College Station**

3:15 p.m.  **Assessing Dust Emission Potential from Cultivated Versus Uncultivated Surfaces at the Heart of the “Dust Bowl”, Southwest Kansas, USA - Kasey Bolles, Baylor University, Waco**

3:30 p.m.  **Decade-Scale Changes in Forest Soil Carbon and Nitrogen Storage are Influenced by Organic Matter Removal Associated with Timber Harvest in the Western Gulf-Coastal Plain - Ryan M. Mushinski, Texas A&M University, College Station**