

**AFRI/NRI Soil Processes Project Directors Meeting**  
**May 26, 2011**  
**Pisgah Room, Crowne Plaza Resort**  
**Asheville, NC**

8:30-8:50	Welcome, logistics, program plans, NIFA/AFRI directions
8:50-9:00	NCSS welcome
9:00-9:15	Spatial and temporal dynamics of soil structure as influenced by wetting and drying cycles, Teamrat Ghezzehei, UC Merced
9:15-9:30	Multi-Scale Analysis of Mechanisms and Impacts of Phosphorus Mobilization in Wetland Soils Created from Drained Agricultural Fields, Michael Vepraskas, NC State Univ.
9:30-9:45	Assessing complexity of hydrology, nutrient inputs and phosphorus dynamics within agricultural drainage sediments, Robert Kroger, Mississippi State U.
9:45-10:00	discussion of first three presentations
10:00-10:15	break
10:15-10:30	Dynamics of Soil State Variables and Related Processes Across a Land Use Gradient in Spatial and Temporal Transition, Ole Wendroth, Univ. Kentucky
10:30-10:45	Rapid Assessment and Trajectory Modeling of Soil Carbon Across a Southeastern Landscape, Sabine Grunwald, Univ. Florida
10:45-11:00	Moisture variability as a "master regulator" of microbial diversity and soil respiration across an Agricultural Landscape, Jay Lennon, Michigan State Univ.
11:05-11:45	Keynote Address — 75 Years of Partnership for Soil Survey, Charles Rice, SSSA President
11:45-1:00	Lunch
1:00-2:45	Poster session
2:45-3:00	discussion of posters and last three presentations
3:00-3:15	Characterization of soil organic matter quality by thermal analysis, Alain Plante, Penn State Univ.
3:15-3:45	Linking Soil-Chemical Molecular Level Interactions to Macroscopic Sorption Behavior Via NMR studies, Robert Cook, LSU
3:45-4:00	Gene Expression and Genetic Adaptation for Herbicide Degradation in a Model Dynamic Soil System, Julie Zilles and Charles Werth, Univ. Illinois
4:00-4:15	ANAMMOX: A New Sink of N Fertilizer in Agricultural Soils, Bongkeun Song, Univ. NC Wilmington
4:15-4:30	discussion
4:30-5:00	news and views; questions, plans for future meetings
5:00	adjourn