

**SOILS SYMPOSIUM 2007**  
**Earl S. Tupper Center, Panama City, Panama**  
**December 12<sup>th</sup> 2007**

**Welcome**

**1:00 Ben Turner**

*Welcome and opening remarks*

**SESSION 1: Soil nutrient dynamics; Chair: Kelly Anderson**

**1:15 Alex Cheesman, University of Florida, USA**

*Forms and stability of organic phosphorus in the San San Pond Sak ombrotrophic wetland*

**1:30 Tania Romero, STRI**

*Seasonal and storage effects on soil chemical and microbiological properties*

**1:45 Nathaly Guererro, STRI Short-Term Fellow**

*Biochemical properties of páramo soils around Volcán Barú, Panama*

**2:00 Ed Tanner, University of Cambridge, UK**

*Soil nutrients in litter manipulation plots*

**2:15 Dianne de la Cruz and Dayana Agudo, STRI**

*Soil carbon and leaf traits analyses in CTFS forest dynamics plots*

**2:30 Break**

**SESSION II: Soil-plant interactions; Chair: Alex Cheesman**

**2:45 Colin Quinn, Colorado State University, USA and STRI Short-Term Fellow**

*Plant arsenic hyper-accumulation: functional significance and ecological impacts*

**3:00 Emma Sayer, University of Cambridge, UK and Marie Curie Fellow**

*A first GLiMPse of litter-root interactions in tropical forests*

**3:15 Valerie Garrish, McGill University, Canada**

*Nutrient stoichiometry and the physiology of tropical trees*

**3:30 Kelly Anderson, University of Illinois, USA and STRI Pre-doctoral Fellow**

*Soil-based resource partitioning in understory palms*

**3:45 Break**

**SESSION III: Arbuscular mycorrhizal fungi; Chair: Colin Quinn**

**4:00 Allen Herre, STRI**

*Physiology and genetic studies of arbuscular mycorrhizal fungi in Panama*

**4:15 Andy Nottingham, University of Cambridge, UK and STRI Short-Term Fellow**

*Partitioning soil respiration in tropical forests: fine roots and arbuscular mycorrhizal fungi*

**4:30 Vicky Nall, Lincoln University, New Zealand**

*Arbuscular mycorrhizae and soil organic phosphorus utilization by tropical trees*

**4:45 Scott Mangan, Indiana University, USA and STRI Fellow**

*Ecological studies of arbuscular mycorrhizal fungi in Panama*

**5:00 Final discussion, questions and comments**

**5:30 Close and beer!**

**7:00 Soils Lab Christmas Party!**