ASU Student Chapter of the ASPRS

Presents

“The Use of Combined Remote Sensing Methods and New Approaches for Soil Mapping”

Dr. Naftaly Goldshleger is a senior scientist and a lecturer in the Soil Erosion Research Station in the Ministry of Agriculture in Israel. He has more than 20 years’ experience in remote sensing, with special emphasis on Landscape Ecology and Hyperspectral technology (HSR). His studies focus on both quantitative and qualitative analyses of field and laboratory reflectance data and on processing of airborne and orbital hyper and multi-spectral data for precise and advanced surface mapping. He has a strong background in soil science geology, spectroscopy, and remote sensing processing.

His talk will focus on below-ground/sub-surface active remote sensing methods and approaches for soil mapping. More specifically, he will talk about the growing use of active remote sensing systems like the GPR (Ground Penetration Radar) and FDEM (Frequency domain electromagnetic) for measuring the conductivity profiles and magnetic susceptibility of the subsurface. In addition, the use of passive remote sensing tools like spectroscopy of surface and ground cross-section through an optical fiber GPSB (Ground penetrating spectral probe) will also be discussed. These tools, methods, and approaches have increased the speed and accuracy in estimating field soil properties.

Dr. Naftaly Goldshleger
Senior Scientist, Lecturer
Soil Erosion Research Station, Israel
Visiting Scientist with USGS

Date: Monday, March 21, 2016
Time: 4:00 - 5:00 PM
Place: Coor 5536

The ASU Student Chapter of the American Society for Photogrammetry and Remote Sensing (ASPRS) is an imaging and geospatial information organization, sponsored by the ASU School of Geographical Sciences and Urban Planning and the Pacific Southwest Region of the ASPRS. Its purpose is to promote the exchange of ideas and information relating to remote sensing, photogrammetry and GIS. Our goals are to propagate interest in those fields and to prepare student members for successful careers. Activities include brown-bag lecture series, training sessions and field trips. We welcome members from any school or department at ASU throughout the year. The only requirement to join our organization is to be a student member of the ASPRS. We are recruiting new members. Come and join us now!