POSTER SESSION – DIVISION 1

Thursday (Aug, 16)		TOTEN 7	
WG05		Proximal soil sensing (PSS)	
Schedule	**ID**	**Title**	**Presenter**
13:30 – 13:40	1790	Identification of soil profile classes using 3D spectral surface features	Xian-Li Xie
13:40 – 13:50	2132	Kaolinite and Gibbsite spectral characterization in different geological and geomorphological compartments of the Western Paulista Plateau	Kathleen Lourenço Fernandess
13:50 – 14:00	1212	On-farm technique to assess the nitrogen status of winter crops from optical sensors	Jaime Andres Gomez
14:00 – 14:10	613	Potential of synergy of multiple sensor data layers to predict soil properties	Paulo S. Graziano Magalhães
14:10 – 14:20	1182	Predicting soil clay content from NIR, gamma-ray and XRF curves	Gustavo M Vasques
14:20 – 14:30	2672	Prediction of Soil Organic Carbon using Neural Network with Vis/NIR spectra in highlands of Itatiaia National Park, Rio de Janeiro	Yuri Gelsleichter
14:30 – 14:40	2887	Qualitative evaluation of soil organic matter using Vis-NIR diffuse reflectance spectroscopy in an agroecological production system in Seropédica, Rio de Janeiro (Brazil)	Marcela Lopes Lázaro
14:40 – 14:50	1940	Soil analysis through portable fluorescence X-ray (pXRF) spectrometer: predicting sum of bases (SB) and cation exchange capacity (CEC) in tropical soils.	Marcelo Mancini
14:50 – 15:00	767	Soil apparent electrical conductivity correlated with crop yield	João Pedro Moro Flores
15:00 – 15:10	2195	Spatial variability of elemental contents in a Brazilian cerrado Ustept profile through portable X-ray fluorescence (pXRF) spectrometer	Thaís Santos Branco Dijair