DIVISIONAL SIMPOSIUM – DIVISION 1

Tuesday (Aug, 14)		Room "Oceania VI e VI"	
C1.2.2		**Remote Sensing Applied to Soil Science**	
		Convener: José Alexandre M. Demattê, College of Agriculture Luiz de Queiroz, University of São Paulo ESALQ/USP	
		Co-Convener: Marcos Rafael Nanni, Department of Agronomy, State University of Maringá, Maringá, PR, Brazil	
Schedule	**ID**	**Title**	**Presenter**
15:30 – 15:40	--	_The first Symposia of Remote Sensing (an integrative powerful science) in the 21th World Congress of Soil Science_	Conveners
15:40 –16:40	Invited	_Soil remote sensing in the era of 4th industrial revolution_	Eyal Ben-Dor
	Invited	_Promoting remote sensing applications for optimizing soil and water management supporting climate smart agriculture in the Balkan region_	George Zalidis
	Invited	_Remote sensing as a tool to study soils and their impact on the Earth's climate_	Jerzy Cierniewski
16:40 – 16:55	2857	Soil water balance for South America as a tool for farmers: comparison of the effects of different soil databases with remote sensing data	Andyara Oliveira Callegare
16:55 – 17:10	390	Data mining of the Landsat time series to build predictors for digital soil mapping	José Lucas Safanelli
17:10 – 17:25	1619	Sentinel-2 for soil organic carbon retrieving and mapping in central Europe	Asa Gholizadeh
17:25 – 17:40	2639	The use of aerial gamma-ray spectrometry to determine soil physical and soil chemical properties for soil mapping	Jasper Dreyer
17:40 – 17:55	2304	Global soil mapping and monitoring from hyperspectral imagery: Science developments in support to upcoming EnMAP satellite mission	Sabine Chabrillat
17:55 – 18:10	2220	Assessing remote sensing data with spatial statistics in precision agriculture field experiments	Thorsten Knappenberger
18:10 - 18:15	--	Closing	Conveners