



RIO18
21st World Congress
of Soil Science

21 WORLD CONGRESS OF SOIL SCIENCE
Sunday 12 – Friday 17 August 2018
Rio de Janeiro, Brazil

Rio de Janeiro August | 12 - 17

DIVISIONAL SIMPOSIUM – DIVISION 1

Monday (Aug, 13)		Room “Galápagos III”	
C1.1.1 C1.1.2		Using soil morphology and micromorphology indicators of soil health Structural indicators of soil quality using X-ray computed tomography	
		Convener: Rosa M Poch, Universitat de Lleida, Lleida, Catalunya, Spain Richard Heck, University of Guelph, Canada	
		Co-Convener: Carlos Schaefer, UFV, Viçosa, Brazil Lars J. Munkholm, Aarhus University, Denmark	
Schedule	ID	Title	Presenter
15:30 – 15:40		Opening	Conveners
15:40 – 15:55	1767	Effects of land use in physical properties in Andean volcanic ashes soils	Melissa Lis-Gutiérrez
15:55 – 16:10	1058	Using micromorphology to assess the physical contamination of topsoil amended with a mixed waste organic output	Stephen Cattle
16:10 – 16:25	1260	Micromorphology of soils under sugar cane in the Cauca Valley, Colombia	Raul Madriñan
16:25 – 16:40	1191	Application of an indicator package for soil structural analysis based on X-ray computed tomography	Tseng Chien Ling
16:40 – 16:55	2717	Assessing long-term effects of zero-till on the porosity of Brazilian soils using X-ray computed tomography	Marcelo Valadares Galdos
16:55 – 17:10	3096	Quantifying the effect of crop rotation on topsoil structure dynamics using X-ray computed tomography	Richard J Heck
17:10 – 17:25	197	Computed tomography-measured pore parameters influenced by cover crops and biofuel management	Stephen H. Anderson
17:25 – 17:40	1831	Linking 3D pore structure to organic carbon contents of Andisols under organic and integrated kiwifruit orchards	Karin Müller
17:40 – 17:55	2440	Quantification of 3D-structures in soil microaggregates	Stephan Peth
17:55 – 18:10	--	Closing	Conveners



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