DIVISIONAL SIMPOSIUM – DIVISION 2

Tuesday (Aug, 14)		Room "Asia I, II e III"	
C2.1.1		**Soil structure dynamics – II - Modeling and fluxes**	
		Convener: Dr. José Miguel Reichert, UFSM, Santa Maria, RS, Brazil.	
		Co-Conveners: Dr. Stephan Peth, Kassel University, Witzenhausen, Germany. Dr. Thomas Keller, Agroscope, Zürich, Switzerland. Dr Mathieu Lamandé, Aarhus University, Tjele, Denmark.	
Schedule	**ID**	**Title**	**Presenter**
15:30 – 15:40	--	Opening	Conveners
15:40 – 15:55	1164	Inverse modeling and X-ray computed microtomography highlight scale-dependent soil structure properties	Nicola Dal Ferro
15:55 – 16:10	1194	Scenario modelling of carbon mineralization in 3D soil structure: comparison between a geometrical model and a model based on lattice Boltzmann approach	Patricia Garnier
16:10 – 16:25	1061	Slakes: A soil aggregate stability android application	Mario Fajardo
16:25 – 16:40	945	Influence of sodicity on the reversibility of the saturated hydraulic conductivity in low saline environment	Yacine Louadj
16:40 – 16:55	929	The Gardner dual model: An extension of the exponential Gardner equation to calculate the relative hydraulic conductivity curve	Theophilo B. Ottoni Filho
16:55 – 17:10	1978	Effects of saline irrigation and biochar application on soil salt crust formation on sandy loam	Jianguo Zhang
17:10 – 17:25	2039	Effect of Transient Soil Density on Near-Surface Water and Energy Flow Dynamics	Josh Heitman
17:25 – 17:40	1657	Effect of soil variability and soil water model complexity on water movement and nitrogen losses	Iris Vogeler
17:40 – 17:55	2236	Quantifying the persistence of macroaggregates following crop residue addition to a clay soil	T. Tian
17:55 – 18:10	279	Drying and rewetting cycles influence the particulate fraction distribution of new organic matter in soils, a 13C-lignocellulose essay.	Francisco Najera
18:10 – 18:15	--	Closing	Conveners