



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 2

Thursday (Aug, 16)		Room "Bora-Bora I"	
C2.1.2		The role of soil physics in water conservation and food security	
		Convener: Dr. Stephan Peth, Kassel University, Witzenhausen, Germany.	
		Co-Convener: Dr. Quirijn de Jong van Lier, USP - Escola Superior de Agricultura Luiz de Queiroz, Piracicaba, Brazil.	
Schedule	ID	Title	Presenter
15:30 – 15:40	--	Opening	Conveners
15:40 – 15:55	1075	Long-term vs short-term variability: phenotypic response of wheat to variable water and nitrogen supply	Olivia Cousins
15:55 – 16:10	1687	Soil available water and grain yield for a rainfed maize crop in Brazilian Cerrado	Marina Luciana Abreu de Melo
16:10 – 16:25	2657	Benefits of soil water measurements for irrigation scheduling of shallow groundwater table cropping systems	Johannes Hendrikus Barnard
16:25 – 16:40	2685	Measurements of water uptake of maize roots: insights for breeders	Mutez Ali Ahmed
16:40 – 16:55	2757	Irrigation and tillage management to improve water use on shallow, low water holding soils	Steve Thomas
16:55 – 17:10	837	Facilitating strategic use of marginal quality saline-sodic irrigation water for food and fibre production	John McLean Bennett
17:10 – 17:25			
17:25 – 17:40			
17:40 – 17:55	--	Closing	Conveners



International Union of Soil Sciences



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