



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

Tuesday (Aug, 14)		Room “Capri I”	
C2.4.1		Dynamic minerals: shifts in soil mineral composition as a result of soil use and management over the human time scale	
		Convener: Dr Aaron Thompson, University of Georgia, Athens, GA, USA	
		Co-Convener: Balwant Singh / Australia.	
Schedule	ID	Title	Presenter
15:30 – 15:40	--	Opening	Conveners
15:40 – 15:55	2879	Can a remineralizer from Greenland improve the fertility in Brazilian tropical soil?	Rafael Cipriano da Silva
15:55 – 16:10	1547	Fe(II) interaction with natural clay minerals: role of structural Fe and aluminosilicates on Fe(II)-layered double hydroxide (LDH) formation	Aaron R. Betts
16:10 – 16:25	2515	Key role of 2:1 clay minerals in fertility of subtropical soils of Rio Grande do Sul in south Brazil and impact of land use	Caner
16:25 – 16:40	2810	Magnetite and maghemite as weatherable minerals in tropical and subtropical soils	Antonio Carlos Saraiva da Costa
16:40 – 16:55	2401	Physical and Mineralogical Identification of an Ultisol in Coastal Lowered in the State of Rio de Janeiro - Brazil	Amaury da Motta Figuera
16:55 – 17:10	1777	Short-range-ordered (SRO) iron minerals are dynamic, emergent representations of recent environmental conditions in soils	Aaron Thompson
17:10 – 17:25	2498	The transformation of clay minerals in the particle size fractions of two soils from different latitudes in China	Georges Martial Ndzana
17:25 – 17:40	404	Soil Mineralogy of Forest Island and adjacent Farmland in West Africa	Samuel A. Mesele
17:40 – 17:55	--	Closing	Conveners



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