

## BBSRC Multi-Soil 2018

### Workshop Schedule:

#### **Tue-25-Sep-18**

9:00	Organizers arrive
10:00	Delegates Arrive
10:30-11:00	<b>Conference Refreshments (Brief welcome with Simon Duncan)</b>
11:00-12:30	<b>Session 1: Integrating soil modelling and measurements (Chaired by Andrea Boghi)</b>
11:00-11:20	<b><u>Combining X-ray and Electrical resistivity tomography methods towards a new methodology of soil hydraulics properties assessment</u></b> Mihai Octavian Cimpoiasu*, Oliver Kuras, Tony Pridmore, Sacha Mooney
11:20-11:40	<b><u>Multi image based method for plant soil interaction</u></b> Daniel McKay Fletcher*, Keith Daily, Arjen van Veelen, Sam D. Keyes, Tiina Roose
11:40-12:30	<b><u>Use and challenges of electrical resistivity tomography to study processes in agro-ecosystems</u></b> <i>Sarah Garré*, Mathieu Javaux, Thibault Manhaeghe, Thomas Hermans, Frederic Nguyen</i>
12:30-13:30	<b>Working Lunch</b>
13:30-15:30	<b>Session 2: Imaging soil-systems (Chaired by Tiina Roose)</b>
13:30-13:50	<b><u>Percolation Theory and Soil Tomography</u></b> Diego Soto-Gómez, Paula Pérez-Rodríguez, Laura Vázquez Juárez, J. Eugenio López-Periago, John Koestel, and Marcos Paradelo*
13:50-14:10	<b><u>Magnetic Resonance Imaging of Root zone Processes</u></b> Sabina Haber-Pohlmeier and Andreas Pohlmeier*
14:10-14:30	<b><u>Roots Redesign the Soils Physical Architecture and Function for Drought- Tolerant Plants</u></b> Sheikh M.F. Rabbi* and Ian M. Young
14:30-15:20	<b><u>Imagine the Complexity of Soil Microstructures</u></b> <i>Stephen Peth*</i>
15:20-16:00	<b>Posters and Conference Refreshments</b>
16:00-17:00	<b>Session 3: Closing speaker (Chaired by Siul Ruiz)</b>
16:00-16:50	<b><u>Combined Imaging of Dynamic Soil and Root Zone Processes</u></b> <i>Sascha Oswald*</i>

17:00	Delegates Depart/ 1 hour break
18:30	Delegates Arrive at B38 HS
19:00-22:00	<b>Dinner</b>
22:00	Delegates Depart

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**Wed-26-Sep-18**

8:30	Organizers arrive
9:00	Delegates Arrive
10:30-11:00	<b>Conference Refreshments</b>
11:00-12:30	<b>Session 4: Image based modelling of soil biophysical processes (Chaired by Simon Duncan)</b>
11:00-11:20	<b><u>Image-based modelling of root growth at cellular and particle resolution</u></b> Matthias Mimault, Daniel Patko, Yangminghao Liu, Felicity O'Callaghan, Mike MacDonald, Mariya Ptashnyk, Lionel Dupuy*
11:20-11:40	<b><u>Can microscale heterogeneity of the spatial distribution of organic matter favour soil microbial diversity?</u></b> Xavier Portell*, Valerie Pot, Patricia Garnier, Philippe C. Baveye, Wilfred Otten
11:40-12:30	<b><u>How life shapes the liquid phase in soils</u></b> <i>Pascal Benard, Mohsen Zarebanadkouki and Andrea Carminati*</i>
12:30-13:30	<b>Working Lunch (Simon Duncan Closes)</b>
14:00	Delegates Depart

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