Session Program

30 May 2022 to 2 June 2022

InterPore2022

MS02

Monday 30 May

16:20

MS02: Parallel Oral Session 3A

Session

16:20–16:35

Dynamic changes in gas concentration in the sap of plants reiterate the enigma of plant water transport under negative pressure

Speaker
Dr Luciano Pereira

16:35–16:50

Effects of charring temperature on physicochemical properties of wheat straw biochar

Speaker
Mardin Abdalqadir

16:50–17:05

Effects of Fluid Saturation on Unsaturated Soil Hydraulic and Solute Transport Parameters

Speaker
Dr Rien van Genuchten

17:05–17:20

Explicit spatial modeling at the pore scale unravels the interplay of soil organic carbon storage and structure dynamics

Speaker
Simon Zech

17:20–17:35

Hydro-mechanical coupling to uncover stability and permeability of coated biopore on the pore-scale: the way to improve larger-scale modelling

Speaker
Kirill Gerke

17:35–17:50 **Imbibition dynamics in cellular, xylem-like nanoporous media**

Speaker
Dr Olivier Vincent

17:50–18:05 **Modeling evaporation from leaves**

Speaker
Sina Ackermann

18:05

Tuesday 31 May

14:20

MS02: Parallel Oral Session 5A

Session

14:20–14:35

Optimizing laterite soil bed filters via predictive modelling and simulations

Speaker
Dr Zahra Lakdawala

14:35–14:50

Modeling colloid remobilization during temporal variation in ionic strength in porous media

Speaker
Sai Rama Krishna Yerramilli

14:50–15:05

Climate change and primary soil salinization: A global scale perspective for the 21st century

Speaker
Dr Amirhossein Hassani

15:05–15:20

Analysis of evaporation and transport of stable water isotopologues in a coupled soil-atmosphere model

Speaker
Katharina Heck

15:20

Thursday 2 June

09:10

MS02: Parallel Oral Session 10A

Session

09:10–09:25

A Novel Mass Transport Model for Direct Contact Membrane Distillation Flux Prediction

Speaker
Ms Khadije Elkadi

09:25–09:40

Development of Carbon membranes and carbon/CNT membranes for wastewater treatment

Speaker
Dr ilyes JEDIDI

09:40–09:55

A novel technology to remove co-occurring arsenic and atrazine in the groundwater used for drinking

Speaker
Dr Siva Rama Satyam Bandaru

09:55–10:10

Fenton Reaction in Porous Media

Speaker
Dr Ambika Selvaraj

10:10