Session Program

May 30, 2022 to June 2, 2022

InterPore2022

MS02

Mon, May 30

4:20 PM

MS02: Parallel Oral Session 3A

Session

4:20 – 4:35 PM

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

Speaker
Dr Luciano Pereira

4:35 – 4:50 PM

Effects of charring temperature on physicochemical properties of wheat straw biochar

Speaker
Mardin Abdalqadir

4:50 – 5:05 PM

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

Speaker
Dr Rien van Genuchten

5:05 – 5:20 PM

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

Speaker
Simon Zech

5:20 – 5:35 PM

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

5:35 – 5:50 PM

Imbibition dynamics in cellular, xylem-like nanoporous media

Speaker
Dr Olivier Vincent

5:50 – 6:05 PM

Modeling evaporation from leaves

Speaker
Sina Ackermann

6:05 PM

Tue, May 31

2:20 PM

MS02: Parallel Oral Session 5A

Session

2:20 – 2:35 PM

Optimizing laterite soil bed filters via predictive modelling and simulations

Speaker
Dr Zahra Lakdawala

2:35 – 2:50 PM

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

Speaker
Sai Rama Krishna Yerramilli

2:50 – 3:05 PM

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

Speaker
Dr Amirhossein Hassani

3:05 – 3:20 PM

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

Speaker
Katharina Heck

3:20 PM

Thu, June 2

9:10 AM

MS02: Parallel Oral Session 10A

Session

9:10 – 9:25 AM

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

Speaker
Ms Khadije Elkadi

9:25 – 9:40 AM

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

Speaker
Dr ilyes JEDIDI

9:40 – 9:55 AM

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

Speaker
Dr Siva Rama Satyam Bandaru

9:55 – 10:10 AM

Fenton Reaction in Porous Media

Speaker
Dr Ambika Selvaraj

10:10 AM