

Session Program

May 22 - 25, 2023



InterPore2023



**15th Annual International
Conference on Porous Media**

22 - 25 May 2023
Edinburgh, Scotland

Short Courses 21 & 26 May



InterPore2023

MS22

Mon, May 22

10:50 AM

MS22: 1.1

Session

11:05 - 11:20 AM

Noble metal coated high-aspect-ratio nanopore arrays and porous nanotube networks for catalysis in chemical synthesis and fuel cells

Speaker

Prof. Wolfgang J. Ensinger

11:20 - 11:35 AM

Towards multiphase transport layers - Binary pore size distributions with hydrogen bubble assisted electrodeposition

Speaker

Dr Adrian Mularczyk

11:35 - 11:50 AM

Removing size effect on 3D-printed material's strength by controlling its microstructure

Speaker

Ms Xinrui Zhang

11:50 AM - 12:05 PM

Interaction of bubble dynamics and manufactured porous electrodes in flow through membraneless water electrolysis

Speaker

Dr Daniel Niblett

12:05 - 12:20 PM

Direct fabrication of porous 3D microstructures on silicon wafers for MEMS applications

Speaker

Olaf Andersen

12:20 - 12:35 PM

Scan Line Patterning: An Efficient Approach to Achieve Periodic Open Cell Structures in Selective Laser Melting

Speaker

Mr Alexander Limper

12:35 PM

Wed, May 24

9:30 AM

MS22: 3.1

Session

9:30 - 9:45 AM

Diffusion properties of the gas diffusion layer from three dimensional digital images of the fibrous substrate and the microporous layer

Speaker

Mr Mohamed El Moustafa AHMED MALOUM

9:45 - 10:00 AM

MOF sensors for contaminant capture and detection: cooperative computational-experimental screening approach

Speaker

Paul Iacomi

10:00 - 10:15 AM

An Efficient Method to Compute Capillary Pressure Functions and Relative Permeability Curves in Dual Porosity Systems Arising in LCM Processes

Speaker

Dominik Becker

10:15 - 10:30 AM

Generating multi-modal pore size distributions for low-density micro-porous carbons using virtual void method in quenched molecular dynamics simulations

Speaker

Edo Boek

10:30 AM