

Session Program

31 May 2021 to 4 June 2021

A banner for the InterPore2021 Online conference. It features a hexagonal logo with a blue and white molecular structure on the left. The text 'InterPore2021' is in large black font, with 'Online' in a smaller italicized font below it. To the right, it says '13th Annual Meeting' and '31 May - 4 June 2021'. At the bottom left, it says 'Don't miss a moment!' and at the bottom right, it says 'Plan to view presentations before the conference' in blue text. The background has a blue and grey geometric design.

 **InterPore2021**
Online

13th Annual Meeting
31 May - 4 June 2021

Don't miss a moment! [Plan to view presentations before the conference](#)

InterPore2021

MS24

Tuesday 1 June

14:40

MS24: MS24 (1)

Session

14:40–14:55 **Fixed Stress Splitting for Coupled Flow and Poromechanics**

Speaker

Mary Wheeler

14:55–15:10 **On the Equations of Nonlinear Single-Phase Poroelasticity**

Speaker

Cornelis Johannes (Hans) van Duijn

15:10–15:25 **The effective boundary condition on a porous wall**

Speaker

Prof. Eduard Marusic-Paloka

15:25–15:40 **Patterns in a reaction-diffusion double porosity system**

Speaker

Mikhail Panfilov

15:40–15:55 **A Three-Scale Model for Flow in Paleo-Karst Reservoirs**

Speaker

Marcio Murad

15:55–16:10

Phase field fracture propagation with proppant transport and two phase flow

Speaker

Sanghyun Lee

16:10–16:25 **Numerical scheme for a coupled system in geomechanics**

Speaker

Mr Adrien Beguinet

16:25–16:40 **Multilayered poroelasticity interacting with Stokes flow**

Speaker

Prof. Suncica Canic

16:40

Thursday 3 June

10:00

MS24: MS24 (2)

Session

10:00–10:15

Coupling strategies for free flow with porous media -from single to two phase flow-

Speaker

Rainer Helmig

10:15–10:30

Micro-macro Modeling Approaches for Reactive Multiphase Flow and Transport in Complex Media

Speaker

Peter Knabner

10:30–10:45

Interaction Problems between Fluids and Poro-Elastic Media - Applications in Life Sciences

Speaker

Willi Jäger

10:45–11:00

Correctors and error estimates for reaction-diffusion processes through thin heterogeneous layers

Speaker

Dr Maria Neuss-Radu

11:00–11:15

A phase-field method for propagating fluid-filled fractures coupled to a surrounding porous medium

Speaker

Prof. Thomas Wick

11:15–11:30

Homogenization approach to the upscaling of a reactive flow through particulate filters with wall integrated catalyst

Speaker

Oleg Iliev

11:30–11:45

Long-time shadow limit for a reaction-diffusion-ODE system

Speaker

Anna Marciniak-Czochra

11:45–12:00

Homogenization of the linearized ionic transport equations in random porous media

Speaker

Andrey Piatnitski

12:00