



# ENMIX

## Young Researchers

### Agenda

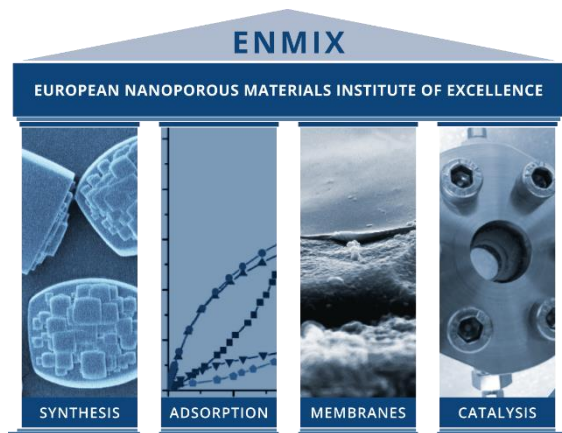
7<sup>th</sup> meeting of ENMIX YR

October 8<sup>th</sup>, 2020

Online Meeting

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scientific network on nanoporous materials



8:30 – 8:45 log-in and technical check

8:45 – 9:00

### Welcoming

9:00 – 9:20

Eduardo Pérez Botella

The Influence Of Zeolite Framework Topology On The Separation Of Carbon Dioxide From Methane

9:20 – 9:40

Dorothea Häussermann

Nucleophilic and Amphoteric Zeolites for the Dehydration of Lactic Acid

9:40 – 10:00

Janez Volavšek

X-ray Total Scattering and NMR Spectroscopy of Porous Materials for Heat Storage Application

10:00 – 10:20

Katherine Xu

Partial Methane Oxidation to Methanol over Porous Materials

10:20 – 10:40

### Coffee Break

10:40 – 11:00

Juan Ignacio Tirado Castaño

Advanced Electron Diffraction Techniques for Structural Elucidation of Microporous Catalysts

11:00 – 11:20

Santiago León Rubio

Synthesis of Pure Silica ITE Zeolite

11:20 – 11:40

Marcos García Farpón

Influence of the dispersion and environment of W<sub>O</sub>x species within USY zeolite as efficient olefin cross-metathesis catalysts

11:40 – 12:00

Juan José Villora Picó

Nitroarenes Hydrogenation with Nitrogen Doped Carbons Based

12:00 – 13:00

### Lunch Break

13:00 – 14:00

### Neutron Scattering Tutorial

Monica Jimenez-Ruiz

14:00 – 14:20

Andreas Gusev

ZSM-5 Catalytic Additives Deactivation In Fluidized Catalytic Cracking Process

14:20 – 14:40

Raul Bruno Machado Da Silva

Novel Ni-Based Catalysts Supported on Sepiolite and Todorokite for the Selective Methanation of CO<sub>2</sub>

14:40 – 15:00

Joachim Hildebrand

Long term stability of metal oxide catalysts on carbon black based gas diffusion electrodes in the electrochemical carbon dioxide reduction reaction

15:00 – 15:20

Ciara Byrne

Optimisation of Zeolitic Imidazolate Frameworks' (ZIFs) Synthesis

15:20 – 15:40

### Coffee Break

15:40 – 16:00

Wencong Xu

*To be announced*

16:00 – 16:20

Jinxin Wang

*To be announced*

16:20 – 16:40

### Discussion and Vote of the new ENMIX YR Presidents