

FemChem

Scientific Workshop

Tuesday, 27 February, 2024
@Tuthesky

OPENING

8:45 AM - 10:00AM

9:00 Opening words

9:30 Ulrike Diebold

COFFEE BREAK / POSTER SESSION

SESSION 1

10:20 AM - 11:40 AM

10:20 **Papalioura**

Substituting Gaseous Reagents for Solid Alternatives

10:35 **Ammann**

Tackling recyclability in stereolithographic 3D printing via ring-opening photo-copolymerization

10:50 **Pfennigbauer**

Development of clickable N-heterocyclic carbenes for biosensing applications

11:05 **Abbas**

Prospective economic and environmental assessment for developing a superstructure based multi-objective optimization framework for biorefinery system

11:20 **Toussaint**

The Sweet Potential of Rare Monosaccharides: Tin-organic frameworks for the Synthesis of Rare Monosaccharides and Product Recovery by Adsorptive Separation

LUNCH BREAK

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SESSION 2

12:40 PM - 13:45 PM

12:40 **Alexander K. Opitz**

13:00 **Rauchenwald**

Freeze-casting of polymer-derived ceramics for CO₂ utilization

13:15 **Hulaj**

Photocathode design for visible light-driven photoelectrochemical reduction of CO₂

13:30 **Horvath**

Thermoanaerobacter kivui as workhorse in hot syngas fermentation

COFFEE BREAK / POSTER SESSION

SESSION 3

14:10 AM - 15:15 AM

14:10 **Noelia Barrabés**

14:30 **Naghdi**

Advances in MOF Design: Optimizing Metal-Organic Frameworks Pores for High-Efficiency Water Purification

14:45 **MöBlacher**

Study of Au₁₁ and Au₂₅ nanoclusters catalysts in the selective hydrogenation of phenylethylene: effect cluster size, ligand and oxide support material

15:00 **Magenheim**

Automated Quantum Chemical Microsolvation in Arbitrary Solvents

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COFFEE BREAK / POSTER SESSION

SESSION 4

15:40 PM - 17:00 PM

15:40 **Golta Khatibi**

16:00 **Wodak**

The Influence of Metallic Nanoparticles on the Properties of Hybrid Solder Joints

16:15 **Ricchiuti**

On-chip Photothermal Spectroscopy (PTS) for the detection of a PMMA thin film on Silicon Nitride

16:30 **Umfahrer**

Classification of Late-Antique Glass: Tandem-LIBS-LA-ICP-M Analysis and Machine Learning Approach

16:45 **Closing and poster award**

NETWORKING AND WINE

