

1st uOttawa Advanced Materials Workshop

Session 1: DRO 214

Chair: Jamie Savard

- 13:00-13:20 Riccardo Marin (Hemmer Group)
“Lanthanide-based Materials: Exploring Multifunctional Platforms for Opto-Magnetic Applications”
- 13:20-13:40 Ayda Elhage (Scaiano Group)
“Catalytic Farming: How the Rotation of Organic Transformations Can Extend Catalyst Lifetime”
- 13:40-14:00 Sean Collins (Woo Group)
“Computational Screening of Materials for Extracting Renewable Natural Gas from Landfills”
- 14:00-14:20 Maykon Lemes (Murugesu Group)
“Air-Stable Tetrazine-Based Radical Systems”
- 14:20-14:25 Tito Scaiano
“CAMaR Presentation”

14:25-14:40 *Coffee Break*

Session 2: DRO 214

Chair: Gabriel Brunet

- 14:40-15:00 Anabel Lanterna (Scaiano Group)
“Mechanistic Insights on the Photocatalytic H₂ Generation: Semiconductor's Hole as the Leading Player”
- 15:00-15:20 Nikita Panov (Hemmer Group)
“Microwave-Assisted Synthesis of Lanthanide-doped LiYF₄ Upconversion Nanoparticles”
- 15:20-15:40 Raúl Castañeda (Brusso Group)
“Exploring First Row Transition Metal Complexes With Imidoamidate Ligands”
- 15:40-16:00 Tom Burns (Woo Group)
“Multi-scale Modelling of Nanoporous Materials for Carbon Capture: From Atomistic Simulation to Advanced Process Modelling”
- 16:00-16:20 Paul Richardson (Murugesu Group)
“Coordination Polymers Employing 1,2,4,5-Tetrazine and its Derivatives”

16:30 *Reception: DRO Fourth Floor Lounge*