

8:40 Registration - Posters hanging - Coffee and drinks

9:00 Welcome by Prof. Isabel Van Driessche

Invited speaker

9:10 Frans Snijkers - VITO : «**Development and Characterization of Oxygen Carriers for Chemical Looping Combustion**»

Best Thesis Contest

9:40 Olivier Malek - KULeuven : «**Electrical Discharge Machinable Ceramic Composites**»

10:00 Mieke De Schepper - UGent : «**Completely Recyclable Concrete for a More Environment-Friendly Construction**»

10:20 Jan Deckers - KULeuven : «**Selective Laser Sintering and Melting as additive manufacturing methods to produce alumina parts**»

10:40 Poster Session – Coffee and drinks

Student Speech Contest – Part 1

11:10 Jonathan De Roo - UGent : «**The surface chemistry of metal oxide nanoparticles; theory and applications**»

11:30 Nachiketa Ray - KULeuven : «**Tungsten carbide based composites for circuit breaker applications**»

11:50 Judith Pype - VITO : «**Shaping of alumina microspheres using vibrational droplet coagulation**»

12:10 Dominique Hautcoeur - BCRC Mons : «**Mechanical behaviour of porous anisotropic ceramics obtained by freeze casting: porosity gradient effect**»

12:30 Lunch Break

Student Speech Contest – Part 2

13:45 Katrien De Keukeleere - UGent : «**Zirconia nanocrystals: effect of metal precursor on the crystalline phase and surface chemistry**»

14:05 Thomas Lapauw - KULeuven : «**Rapid synthesis of fine-grained Ti₂SnC produced by spark plasma sintering**»

14:25 Jasper Lefevre - VITO : «**Synthesis of hierarchically porous ZSM-5 catalyst for MTO**»

14:45 Jonas Billet - UGent : «**Ordering of TiO₂ nanoparticles to mesoporous structures**»

15:05 Poster Session – Coffee and drinks

Invited speaker

15:30 Zeger Hens - UGent : «**Surface Chemistry of Colloidal Nanocrystals: a solution NMR analysis**»

Presentations

16:00 Sandra Abdelouhab - BCRC Mons : «**Monitoring tools coupled to a numerical model dedicated to a faster drying of refractory concrete linings**»

16:20 Giulia Maino - UHasselt : «**How to handle LiMn₂O₄ films as cathode materials for lithium ion batteries**»

16:40 Awards proclamation

17h00 End of the Meeting