

THURSDAY, OCTOBER 21, 2021.

14.30 – 16.30 h – ECerS Students Speech Contests - 1 (Rectorate-Amphitheater)

14.30 – 14.55 h **SC-1 Soňa Hříbalová, Czech Republic**

New light scattering models for transparent ceramics with birefringent crystallites

14.55 – 15.20 h **SC-2 Álvaro Eguiluz Castro, Spain**

Processing of a full ceramic 3D- scaffolds by FFF using a colloidal feedstock

15.20 – 15.45 h **SC-3 Arijeta Bafti, Croatia**

The development of geopolymer materials into thin-films for the application in vertically mounted solar cells

15.45 – 16.10 h **SC-4 Else Ellermann, United Kingdom**

Understanding the effect of surface properties of bioactive ceramics on protein attachment and angiogenesis

16.10 – 16.35 h **SC-5 Maximilian Staudacher, Austria**

Biaxial strength testing: A comparison of the Ball-on-Three-Balls- and the Ring-on Ring-Test

16.15 – 16.30 h **OA-46 Arkadiusz Dawczak, Poland**

Structural and electrical properties of high-entropy rare-earth ortho-niobates

16.30 – 16.50 h – Coffe Break

16.50 – 18.50 h – ECerS Students Speech Contests - 2 (Rectorate-Amphitheater)

16.50 – 17.15 h **SC-6 Veronika S. Buinevich, Russia**

Combustion synthesis (CS) and spark plasma sintering (SPS) of promising ultra-high temperature ceramic materials based on hafnium carbonitride for advanced spacecraft

17.15 – 17.40 h **SC-7 Marija Egerić, Serbia**

Assessment of the applicability of waste seashell powder on separation and stabilization of selected heavy metals from contaminated water and soil

17.40 – 18.05 h **SC-8 Yigithan Tufan, Turkey**

Yttria stabilized zirconia/clay composites for bone tissue regeneration

18.05 – 18.30 h **SC-9 Nikos Kyriakou, The Netherland**

Controlled nanoconfinement of polyimide network in mesoporous alumina membranes via surface-induced polymerization for molecular separations

FRIDAY, OCTOBER 22, 2021.

09.15 – 11.20 h – ECerS Students Speech Contests - 3 (Rectorate-Amphitheater)

09.15 – 09.40 h **SC-10 Susanta Sengupta, Slovakia**

Composite fibers incorporating therapeutic ion-doped mesoporous bioactive glass nanoparticles (MBGNs): Influence of surface roughness and fiber diameter on cell

09.40 – 10.05 h **SC-11 Dawid Kozieln, Poland**

Synthesis and biological evaluation of boron carbide (B₄C) nanopowders as a boron deliver agent in Boron Neutron Capture Therapy (BNCT)

10.05 – 10.30 h **SC-12 Nicola Gilli, Italy**

Microstructure and local properties of (Zr,TM)B₂ solid solutions

10.30 – 10.55 h **SC-13 Kira Schlesier, Germany**

Influence of optical radiation on nanocrystalline functional ceramic coatings for energy conversion fabricated via powder aerosol deposition

10.55 – 11.20 h **SC-14 Christelle Chauffeton, France**

Physico-chemical study of pigments used at the Manufacture Nationale de Sèvres

11.20 – 11.35 h – Coffe Break

11.35 – 13.40 h – ECerS Students Speech Contests - 4 (Rectorate-Amphitheater)

11.35 – 12.00 h **SC-15 Chloé Goutagny, Belgium**

Additive manufacturing of β -TCP using the stereolithography technology: Suspension preparation and process optimization

12.00 – 12.25 h **SC-16 Nikolett Hegedüs, Hungary**

Examination of the hydrogen formation in Radio Frequency sputtered hydrogenated SiN_x thin films

12.25 – 12.50 h **SC-17 Ashish Mohite, Finland**

Speed-based additive manufacturing technique - Discovery and exploration of design potential of speed of deposition in additive manufacturing

12.50 – 13.15 h **SC-18 Cristian Radu, Romania**

Structural investigation of ferroelectric thin films using transmission electron microscopy techniques

13.15 – 13.40 h **SC-19 Hermina Hudelja, Slovenia**

Freeze-casting of highly porous cellulose-nanofiber-reinforced γ -Al₂O₃ hierarchical monoliths