

SE06: Student speech contest
DAILY SCHEDULE
ECerS2017, July 9–13, 2017, Budapest, Hungary

Sunday, July 9, 2017
Room KODÁLY

Opening			
16:00 - 16:05			
16:05 - 16:25	Guna Krieke Latvia	Phase transition of Ba₄Gd₃F₁₇ nanocrystals in Er³⁺ doped transparent glass ceramics	Institute of Solid State Physics, University of Latvia, Riga
16:25 - 16:45	Barbara Adamczyk Poland	Strontium oxynitride phosphor doped with Eu²⁺ ions: phase purity/optical properties relationship	Department of Materials Science and Metallurgy, Silesian University of Technology, Krasinskiego 8, 40-019, Katowice, Poland
16.45 - 17.05	Jonas Biggemann Germany	Fabrication of crack healing ZrO₂ composites containing Nb₂AlC repair fillers	Department of Materials Science and Engineering, Institute of Glass and Ceramics, Friedrich-Alexander-Universität Erlangen-Nürnberg, Erlangen, Germany
17.05 - 17.25	Matthias van Zele Belgium	Sol-gel synthesis and low-temperature deposition of thin SiO₂ layers as scratch resistant coatings for functional films	Department of Inorganic and Physical Chemistry, Ghent University, Ghent, Belgium
17.25 - 17.45	Giulio Gorni Spain	Nd³⁺ doped transparent oxyfluoride glass-ceramics	Ceramics and Glass Institute, CSIC, Madrid, Spain
17.45 - 17.55	Break		
17.55 - 18.05	Introduction on the Young Ceramists Network		
18.05 - 18.25	Federico Veronesi Italy	Fabrication and properties of hybrid, liquid-repellent coatings	Institute of Science and Technology for Ceramics, National Research Council (CNR-ISTEC), Faenza, Italy
18.25 - 18.45	Renaud Merlet the Netherlands	Transport through grafted ceramic membranes	Inorganic Membranes, MESA+ Institute for Nanotechnology, University of Twente, Enschede, The Netherlands
18.45 - 19.05	Amandeep Singh Finland	Pulsed laser ablation in supercritical carbon dioxide to synthesize photocatalytically active nanoparticles	Laboratory of Materials Science, Tampere University of Technology, Tampere, Finland

19:05-19:25	Vasile-Adrian Surdu Romania	Multiferroic properties of Eu-substituted BiFeO₃ ceramics	Department of Science and Engineering of Oxide Materials and Nanomaterials, Faculty of Applied Chemistry and Materials Science, University Politehnica of Bucharest, Romania
Monday, July 10, 2017 Room KODÁLY			
11.15 - 11.35	Nikola Kanas Norway	Development of all-oxide thermoelectric stacking device	Department of Material Science and Engineering, NTNU, Trondheim, Norway
11.35 - 11.55	Chang Shu United Kingdom	A phase diagram study of (Ba,Ca)(Zr,Ti)O₃ piezoceramics from combining structural and functional measurements	School of Metallurgy and Materials, University of Birmingham, Birmingham, UK
11.55 - 12.15	Dušan Németh Slovakia	The effects of tip sharpness and coating thickness on nanoindentation measurements in hard ceramic coatings on softer substrates by FEM	Institute of materials research, SAS, Košice, Slovakia
12.15 - 12.35	Jakub Roleček Czech Republic	Mechanical properties of hybrid ceramic composites prepared by ice-templating	Central Europe Institute of Technology, Brno University of Technology, Brno, Czech Republic
12.35 - 12.55	Manuel Gruber Austria	Mechanical characterization of LiTaO₃ and LiNbO₃ single crystals for smartphone applications	Institute of Structural and Functional Ceramics, Montanuniversität Leoben, Leoben, Austria
12.55 - 13.15	Selin Gharibian Iran	Processing of Si₃N₄ for EDM-able bodies	School of Metallurgy and Materials Engineering, Iran University of Science and Technology, Tehran, Iran
13.15 - 14.30	Lunch		
14.30 - 14.40	Introduction on the EUCERMAT program		
14.40 - 15.00	Eszter Bódis Hungary	Silicon nitride-based composites reinforced with zirconia nanofibres	Plasma Chemistry Research Group, Institute of Materials and Environmental Chemistry, Research Centre for Natural Sciences, Hungarian Academy of Sciences, Budapest, Hungary

15.00 - 15.20	Galy I. Nkou Bouala France	<i>In situ</i> HT-ESEM study of MO₂ (M = Ce, Th) first stage of sintering: from neck elaboration to microstructure design	ICSM, UMR 5257 CEA/CNRS/ENSCM/Université Montpellier, Bagnols/Cèze, France
15.20 - 15.40	Svetlana Dmitrović Serbia	Spider silk-ceramics composites	Vinča" Institute of Nuclear Sciences, CenterExtrim-Lab, University of Belgrade, Belgrade, Serbia
15.40 - 16.00	Kağan Benzeşik Turkey	Production of IV-B group boride composite ceramics via SHS	Istanbul Technical University, Metallurgy and Materials Engineering, Maslak, Istanbul, 34469. Turkey
16.00 - 16.20	Urška Gabor Slovenia	Formation mechanism of PLD-derived Pb(Mg_{1/3}Nb_{2/3})O₃-PbTiO₃ thin films	Advanced Materials Department, Jožef Stefan Institute, Ljubljana, Slovenia