

Scientific Program

International Webinar on Glass and Ceramics

Thursday
November 18, 2021

Day 1 - November 18, 2021

11:00 - 11:10 Introduction

Plenary Talk

11:10 - 11:50 Identification and Detailed Characterization of Metal Oxides through Electron Trap-distribution Analysis
Bunsho Ohtani, Hokkaido University, Japan

Oral Presentations

11:50 - 12:15 Enhancement in structural stability of modified graphene aerogel supported phase change materials (PCMs) for thermo-electric energy harvesting
Chengbin Yu, Seoul National University, South Korea

12:15 - 12:40 Ceramics and conservation of heritage buildings
Martinus B Susetyarto, Universitas Trisakti, Indonesia

12:40 - 13:05 Experimental investigation of Electric Arc Furnace (EAF) steel slags as a feedstock for manufacturing Thermal Energy Storage (TES) ceramics
Nicolas Lopez Ferber, Khalifa University, UAE

13:05 - 13:30 One-step synthesis A7:A39 powders for strong and tough composites with high electrical conductivity
Alicia Weibel, Université Toulouse 3 Paul-Sabatier, France

Lunch Break(13:30 - 14:00)

14:00 - 14:25 Effect of the incorporation of neem (*Azadirachta indica*) wood ash in kodak ceramic materials for the manufacture of fired bricks (Far-North Cameroon)
Soureyatou Fadil-Djenabou, University of Maroua, Cameroon

14:25 - 14:50 Ceramic thin film deposited by old method on the surgical scalpel blade
Magdalena Szindler, University of Technology, Poland

14:50 - 15:15 Glass and Glass-ceramics for Engineering and Biomedical Applications
Sumana Ghosh, CSIR-Central Glass and Ceramic Research Institute (CSIR-CGCRI), India

15:15 - 15:40 Theoretical and Experimental Study on the Mechanical Properties of Lebanese Based Geopolymer Mortars
Marianne Saba, University of Balamand, Lebanon

15:40 - 16:05 Statistics of Extremes with Application to extreme production of glass containers
Katleho Makatjane, Basetsana Consultants, Lesotho

16:05 - 16:30 Chemical Assisted Laser Beam Machining of SiC Ceramic and Optimization of Process Parameters
Moera Gutu Jiru, Ambo University, Ethiopia

Poster Presentation

16:30 - 16:45 Armored sitall (high-strength glass-ceramics) in ballistic protection
Merkulov Iurii, Sosnovy Bor, Russia

End of Day 1

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Friday
November 19, 2021

Day 2 - November 19, 2021

Oral Presentations

- 11:00 - 11:25 Studies on NaNbO_3 modified BiFeO_3 ceramic system: finding MPB using XRD and Raman analysis, structural, dielectric, impedance, and conductivity analysis
Manojit De, Guru Ghasidas Vishwavidyalaya, India
- 11:25 - 11:50 Role of Structural Correlation with Lattice Dynamics in Multiferroic Materials
Anil Kumar, Indian Institute of Technology, India
- 11:50 - 12:15 Manufacture of foamy glass aggregates using waste from mining and food industry
Maximina Romero, National Centre for Metallurgical Research, Spain
- 12:15 - 12:40 Experimental and numerical simulation to validate critical perforation velocity on a flat plate of aluminum alloy 6061
Bharosh Kumar Yadav, Tribhuvan University, Nepal
- 12:40 - 13:05 Structural, dielectric and conduction behaviour of $(\text{BFO})_{0.75} - (\text{NBT})_{0.25}$ solid solution
Saubhagyalaxmi Behera, Centurion University of Technology and Management, India

Lunch Break (13:05 - 13:30)

- 13:30 - 13:55 Design and Development of Compact Microstrip Patch Antennas Using Ceramic Substrates
S.Kannadhasan, Cheran College of Engineering, India
- 13:55 - 14:20 Research progress in preparation and properties of nano-cellulose reinforced polymer composites
Sagheer Gul, Government Post Graduate College Mansehra, Pakistan
- 14:20 - 14:45 SBskin BIPV products for improving energy efficiency of translucent buildings
R. Corrao, University of Palermo, Italy

End of Day 2