

Global Scientific Guild Conference

Program

Global Webinar on Materials Science and Engineering

July 09-10, 2021

+91 9491 456 452

materials@gsguild.org

www.globalscientificguild.com/materials-science-webinar

Day-1

July 09, 2021

Timing: 10:00-16:45 Central European Summer Time

10:00-10:15 Introduction/Opening Ceremony

Session Keynote Session

10:15-10:50 Title: Graphene and Self-assembly

Dr. Per Arvid Löthman, Foviatech GmbH, Hamburg, Germany

10:50-11:25 Title: Advances in Plasmonic and Photonic Silicon based Quantum Dot Nanomaterials

Prof. Anatoly Dvurechenskii, Russian Academy of Science, Russia

11:25-12:00 Title: Stereolithographic Additive Manufacturing of Ceramic Components for Functionally Geometric Modulations

Prof. KIRIHARA Soshu, Osaka University, Japan

12:00-12:35 Title: Materials and technology trends in Laser Surface Engineering – from high-speed processes to additive manufacturing by directed energy deposition (DED)

Dr. Arkadi Zikin, OERLIKON METCO AG, Switzerland

12:35-12:50 Panel Discussion

12:50-13:20 Lunch Break

Session Invited Session

13:20-13:45 Title: Correlation between curing humidity and thermal, rheological and adhesion properties of moisture-curable bio-based polyurethane adhesives

Adrián Tenorio-Alfonso, University of Huelva, Spain

13:45-14:10 Title: Rheological properties of novel lignin-structured epoxidized castor oil formulations

Esperanza Cortes Triviño, University of Huelva, Spain

14:10-14:35 Title: Effect of process parameters on thermal and mechanical properties of polymer matrix composites manufactured by Fused Filament Fabrication (FFF)

Mr. Mohammad Ahmadifar, ENSAM, France

14:35-15:00 Title: Biodegradable coatings based CaP doped Mg

Dr. Alina Vladescu, National Institute of RD for Optoelectronics, Romania

15:00-15:15 Break

15:15-15:40 Title: Nanostructured materials and their application as enzyme-mimics for bacterial fighting

Abir Swaidan, IEMN, France

15:40-16:05 Title: Synthesis and optimization of the transition metal boride nanoparticles and their possible magnetic/hybrid composite applications

Dr. Sina Khoshsima, Institute Jozef Stefan, Slovenia

16:05-16:30 Title: Sustainable monatomic metallic copper synthesis

Janire Pena-Bahamonde, University of Houston, United States

16:30-16:45 Panel Discussion

Day 1 Ends

Day-2

July 10,2021

Timing:10:00-16:45 Central European Summer Time

Session	Keynote Session
10:00-10:35	Title: Interpolation and Extrapolation of Curves and Functions Dariusz Jacek Jakóbczak, Koszalin University of Technology, Poland
Session	Invited Session
10:35-11:00	Title:Creating Certainty Using Uncertainty: Next Generation Material Data Dr. Anders Winkler, Dassault Systemes AB, Sweden
11:00-11:25	Title: Reversibility and Nanoscale Aspects of Phase Transformations in Shape Memory Alloys Prof. Osman Adiguzel, Firat University, Turkey
11:25-11:50	Title:Biodegradable and Antimicrobio filament/yarn/textiles produced with PLA+PHBV Mr. Ken Wang, Kunlun Material Technology, China
11:50-12:15	Title: Synthesis and spectroscopic investigation of colloidal Cesium Lead Iodide Perovskite nanocrystals for optoelectronic and photocatalytic applications Ms. DUDIPALA KAVYA REDDY, University of Turin,Italy
12:15-12:40	Title:Application of the PA-GMAW in wire arc additive manufacturing Anatoliy Zavdoveev, PEWI NAS of Ukraine, Ukraine
12:40-12:55	Panel Discussion
12:55-13:25	Lunch Break
Session	Invited Session
13:25-13:50	Title: Main Factors Influencing the Relaxation Processes under Micro- and Nano-indentation Dr. Olga Shikimaka, Institute of Applied Physics ,Moldova
13:50-14:15	Title:Revealing the distinct electrochemical properties 2D Arsenene monolayer as hosts sulfur and selenium cathode in advanced Li-S/Se Battery Nabil KHOSSOSI, Uppsala University, Sweden
14:15-14:40	Title:Density Functional Theory Studies on Sulfur–Polyacrylonitrile as a Cathode Host Material for Lithium–Sulfur Batteries Samuel Bertolini da Silva Oliveira, University Ulm, Germany
14:40-15:05	Title: Microstructural and Mechanical Assessment of Camshafts Produced by Ductile Cast Iron Low Alloyed with Vanadium Antonio Magaña Hernández, ARBOMEX, Mexico
Session	Keynote Session
15:05-15:40	Title:Sugar Based Biopolymers: Poly[3-(3,4-Dihydroxyphenyl)Glyceric Acid] from Medicinal Plants of Boraginaceae Family, its Synthetic Analogues and Therapeutic Effect Vakhtang Barbakadze, Tbilisi State Medical University, Georgia
Session	Plenary Session
15:40-16:25	Title: High-precision MSM micropumps for integration on lab-on-chips Dr. Kari Ullakko, LUT University, Finland
16:25-16:45	Panel Discussion

Vote of Thanks
Day 2 Ends

www.globalscientificguild.com

Next Event:

2nd Global Webinar on Materials Science and Engineering

November 12-14, 2021

Contact Info:

+91 9491 456 452

materials@gsguild.org

globalscientificguild.com/materials-science-webinar