



Global Scientific Guild Conference

Program

8th Global Webinar on Materials Science and Engineering

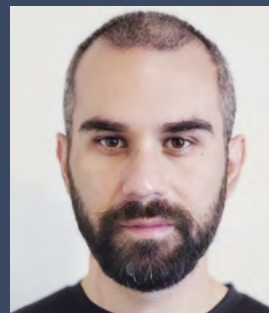
November 22-23, 2023

Conference Chairman



Prof. Per Arvid Löthman
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Germany*

Conference Co-Chairman



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Day-1

November 22, 2023

Conference starts at 10 AM Eastern Standard Time or 3:00 PM GMT or 8:30 PM IST

10:00-10:10 Introduction/Opening Ceremony

10:10-10:45 **Title: Living electronics, living materials: a synthetic biology approach.**

Prof. Per Arvid Löthman, Foviatech GmbH, Hamburg, Germany; Kaiserslautern University of Applied Science, Zweibrücken, Germany

10:45-11:20 **Title: Advanced biomaterials used in innovative biomedical applications**

Prof. Daniela Laura Buruiana, Dunarea de Jos University of Galati, Romania

11:20-11:55 **Title: Review of Latest Innovations in the Area of Bio-based Fiber Reinforced Composites.**

Dr. Rama bhadra raju Vuppalapati, Senior Materials Engineer, USA

11:55-12:30 **Title: Nanoscale bending properties of bio-inspired Ni-graphene nanocomposites**

Dr. Raghuram Reddy Santhapuram, R&D Engineer, INTEL, USA

12:30-13:05 **Title: Synthesis, Characterization, and Application of Copper Telluride Nanostructures**

Dr. Sumayya M. Ansari, Postdoctoral research fellow, United Arab Emirates University, UAE

13:05-13:40 **Title: Utilization of lignocellulosic bast and hurd fibers improves tensile properties and reduces weight in injection molded parts where the polymer matrix is polypropylene or polyethylene because of the aspect ratio of these fibers compared to mineral fillers**
Mr. Robert Ziner, CEO, Advanced Bio-Material Technologies Corporation, Canada

13:40-13:50 Break

13:50-14:25 **Title: The impact of smart fabric shades and built-in control Strategies on energy savings, building comfort and visual quality**

Dr. Radhakrishnaiah Parachuru, Georgia Institute of Technology, Atlanta, USA

14:25-15:00 **Title: Silk fibroin and recombinant elastin blend nano-coatings for implantable medical devices**

Dr. Emmanuel Joseph, CNRS - Centre de Recherche Paul Pascal, France

15:00-15:35 **Title: Exploring Mesoscale Fracture Behavior of Cement-Based Composites Using Phase-Field Modeling**

Dr. Justin Kinda, Ecole Normale Superieure Paris Saclay, France

15:35-16:10 **Title: Success in Developing CVD Graphene Coating on Mild Steel and Other Metals for Remarkable and Durable Corrosion Resistance**

Prof. Raman Singh, Monash University, Australia

16:10-16:45 **Title: Interaction of molecules with light**

Dr. Kishan Menghrajani, Monash University, Australia

Note: Speakers slots are still available to participate

Day-2

November 23, 2023

Conference starts at 10 AM Eastern Standard Time or 3:00 PM GMT or 8:30 PM IST

- 10:00-10:35** **Title: Hot-pressed Saloplastics as Sustainable Ion-exchange Membranes**
Dr. Ameya Krishna, MESA+ Institute of Nanotechnology, University of Twente, Netherlands
- 10:35-11:10** **Title: Cycloidal spin ordering and perovskite-like structure of multiferroic BiFeO₃ -- Mössbauer spectrometry study**
Prof. Tadeusz Szumiata, University of Technology and Humanities in Radom, Poland
- 11:10-11:45** **Title: Advanced solid electrolytes for all-solid-state lithium batteries**
Dr. Feiping Zhao, MME Department, Western University, Canada
- 11:45-12:20** **Title: Atomistic modeling in electrocatalysis: Towards designing active & stable electrocatalysts for fuel-cell applications**
Dr. Shubham Sharma, Senior Scientist, Computational Materials Science at Pfizer Inc, USA
- 12:20-12:55** **Title: REACH – Chemical Compliance is a Continuous Process**
Dr. Renie Harbers, University of Twente, Netherlands
- 12:55-13:05** **Break**
- 13:05-13:35** **Title: Modification of erythritol based PCMS for Improved efficiency in solar cookers**
Ms. Tracy Asamoah, Kwame Nkrumah University of Science and Technology, Ghana
- 13:35-14:10** **Title: Typical Zirconium Alloys Microstructures in Nuclear Fuels and Components**
Dr. Pablo Vizcaino, CNEA, Argentina
- 14:10-14:40** **Title: Revolutionizing Emerging Markets for Sustainability and Cost-Efficiency in the cement and concrete industry**
Dr. Sami Amer, Head of Concrete Department SG , Egypt
- 14:40-15:10** **Title: Study of the effect of aging on the electrical conductivity of polyaniline (PANI) Doped with different acids.**
Mr. Henry Yawson, Graduate, Kwame Nkrumah University of Science and Technology, Ghana
- 15:10-15:45** **Title: Will be updated soon**
Dr. Manoj Kumar Chellamuthu, Polymer Scientist, Innovating Material Solutions, USA

Note: Speakers slots are still available to participate

Next Event:

**9th Global Webinar on
Materials Science and Engineering
April 03-04, 2023**