



Global Scientific Guild Conference

Program

11th Global Webinar on Materials Science and Engineering

February 19-20, 2025

Conference Chairman



Prof. Dr. Per Arvid Lothman

*European University of Applied Sciences Hamburg,
Germany*

Conference Co-Chairman



Prof. Victor R. Orante Barron

*The University of Sonora
Mexico*

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<https://www.globalscientificguild.com/materials-science/>

www.globalscientificguild.com

DAY-1

Wednesday, February 19, 2025

Conference starts at 09:00 AM Eastern Time or 02:00 PM GMT or 07:30 PM IST

09:00-09:10 Introduction/Opening Ceremony

09:10-9:45



Title: [BioMechatronics – a novel perspective](#)

Prof. Dr. Per Arvid Lothman, European University of Applied Sciences Hamburg, Germany

09:45-10:15



Title: [Risk assessment in case of fire in unidirectional road tunnels temporarily used for bi-directional traffic](#)

Dr. Isidoro Russo, University of Salerno, Italy

10:15-10:50



Title: [New Investigations Related with Ceramic Oxides Obtained by Solution Combustion Synthesis: Exerting Influence of Addition of Intrinsic and Extrinsic Impurities on the Thermoluminescence Dosimetry Properties](#)

Prof. Victor R. Orante Barron, The University of Sonora, Mexico

10:50-11:25



Title: [Some aspects of gluing of modified wood with the use of waterborne adhesives](#)

Prof. Tomasz Krystofiak, Poznan University of Life Sciences, Poland

11:25-12:00



Title: [Hybrid-polymers Solidification: how to revisit model experiment](#)

Dr. Severine A. E. BOYER, French National Centre for Scientific Research , CNRS, France

12:00-12:10 Break

12:10-12:45



Title: [Sol-Gel based Functional Nanostructured Coatings for Strategic, Energy and Health Sectors](#)

Dr. Sunirmal Jana, CSIR-Central Glass & Ceramic Research Institute (CSIR-CGCRI), Kolkata, India

12:45-13:20



Title: [Using particle accelerators to investigate corrosion in nuclear materials](#)

Prof. Khashayar Ghandi, University of Guelph, Canada

13:20-14:00



Title: [Challenges and Opportunities for Advanced Materials in Sustainable Aviation](#)

Dr. Ajay Misra, The University of Akron, USA

DAY-2

Thursday, February 20, 2025

Conference starts at 09:00 AM Eastern Time or 02:00 PM GMT or 07:30 PM IST

09:00-9:35



Title: Functional Organic Materials for the Efficient Capture of Low-Concentration Iodine at High Temperatures

Prof. Baiyan Li, Nankai University, China

09:35-10:05



Title: Explaining Your Case Visually in Litigation

Mr. Robert O'shea, Principal Engineer and Sr. Metallurgical Engineer – AMTI, USA

10:05-10:40



Title: Unlocking the green chemistry potential of multilayer nano-minerals: A comprehensive evaluation of HNT's acid-base properties through theoretical and experimental studies

Dr. Alessandra Pallela, CNR, ISTITUTO DI TECNOLOGIE AVANZATE PER L'ENERGIA "NICOLA GIORDANO", ITALY

10:40-11:10



Title: Enhanced Performance of Low-Carbon Concrete with Adapted Rheology for Infrastructure Construction

Dr. Jingjie Wei, Missouri University of Science and Technology, USA

11:10-11:45



Title: Nanotechnology in Medicine: From its Foundation to Now Saving Human Lives

Prof. Thomas J. Webster, Hebei University of Technology and Interstellar, USA

11:45-12:00

Break

12:00-12:35



Title: Mechanochemistry As Advanced Materials Preparation Technique

Prof. Viktor P. Balema, Clemson University, Clemson, SC and ChemImpakt, Milwaukee, WI, USA

12:35-13:10



Title: State of the Art in Additive Manufacturing of Stainless Steels

Mr. Alberto Bejarano, National University of Colombia, Colombia

13:10-13:45



Title: Enhancing Mechanical and Metallurgical Properties of Wire Arc Additive Manufactured Components Through In-Situ Processing

Dr. Neel Kamal Gupta, Technische Universität Bergakademie Freiberg (TUBAF), Germany

13:45-14:30



Title: Sensor solution for thermal runaway detection and mitigation

Prof. Ashish Thakur, Mekelle University, India

Next Event:

**12th Global Webinar on
Materials Science and Engineering
June 25-26, 2025**

OUR OTHER CONFERENCES

Global Webinar on Animal Science and Veterinary Medicine	February 26-27, 2025
Global Webinar on Climate Change and Environmental Science	February 26-27, 2025
3rd Global Webinar on Renewable and Sustainable Energy	March 05-06, 2025
11th Global Webinar on Public Health	March 05-06, 2025
14th Global Webinar on Traditional and Integrative Medicine	March 12-13, 2025
12th Global Webinar on Applied Science, Engineering and Technology	March 26-27, 2025
8th Global Webinar on 3D Printing and Additive Manufacturing	April 02-03, 2025
6th Global Webinar on Laser, Optics, and Photonics	April 09-10, 2025