



## Global Scientific Guild Conference

### PROGRAM

# 9<sup>th</sup> Global Webinar on Materials Science and Engineering

April 03-04, 2024

## Chairperson



**Prof. Per Arvid Löthman**

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## Co-Chairman



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# DAY-1

April 03, 2024

Conference starts at 09:00 AM Eastern Daylight Time or 01:00 PM GMT or 06:30 PM IST

09:00-09:10 Introduction/Opening Ceremony by Conference Chairman

09:10-9:45

**Title: Let's twist again? – A double life of Graphene.**



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

09:45-10:20

**Title: 40 Years of Scanning Probe Microscopy Advances for Material Science**



Dr. Sang-Joon Cho, Director, R&D Application Technology Center at Park Systems, South Korea

10:20-10:55

**Title: Three dimensional Holey Graphene Electrodes**



Prof. Vinay A. Juvekar, Indian Institute of Technology, Bombay, India

10:55-11:30

**Title: Science and Technology of Unique Multifunctional Ultrananocrystalline Diamond (UNCDTM) Coating for New Generations of Industrial, High-Tech and Implantable Medical Devices/Prostheses**



Prof. Auciello Orlando, University of Texas-Dallas, USA

11:30-12:05

**Title: Thermoluminescence features and kinetic parameters of MgO co-doped with lanthanides and Li, obtained by solution combustion synthesis based on different fuels.**



Prof. Victor Orante-Barron, Departamento de Investigación en Polímeros y Materiales, Universidad de Sonora. México.

12:05-12:15 Break

12:15-12:50

**Title: Polymer matrix composite materials for fluorescent optical fibers.**



Prof. Nekane Guarrotxena, CSIC, Spain

12:50-13:20

**Title: Novel Hepatocellular Cancer Therapy Using Metal Organic Frameworks as Drug Delivery Vehicles**



Dr. Karl Jackson, Virginia State University, USA

13:20-13:55

**Title: The Perfect Storm Effects on Catastrophic Events**



Mr. Robert O'Shea, Principal Engineer, Applied Materials Technologies Inc., USA

13:55-14:25

**Title: REACH – Chemical Compliance is a Continuous Process**



Dr. Renie Harbers, University of Twente, Netherlands

14:25-15:00

**Title: Material-Driven Innovations In Fiber-Based Performance Products**



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

Speakers slots are available

# DAY-2

04 April, 2024

( Conference starts at 09:00 AM Eastern Daylight Time or 01:00 PM GMT or 06:30 PM IST)

09:00-09:35



**Title: Material Science and its Revolutionary with next generation of concept to Engineering: Present, Past and Beyond.**

Dr. Yuvaraja Visagathilagar, Principal Engineer at QinetiQ Australia, Australia

09:35-10:10



**Title: Development of carbon-based functional materials for energy-related device applications**

Dr. Golap Kalita, Senior researcher at R&D laboratory, Nippon Denko Co. Ltd., Japan

10:10-10:45



**Title: FDA Approved Nanotextured Orthopedic Implants in Humans: No Failures, No Infection, No Inflammation, and No Implant Loosening**

Prof. Thomas J. Webster, School of Health Sciences and Biomedical Engineering, Hebei University of Technology, Tianjin, China

10:45-11:20



**Title: Current research trends on Nanotechnology and Materials Science applications into liquid crystalline optical materials switchable device implementations.**

Prof. Kaushik Pal, Associate Professor-in-Charge and Group Leader', UCRD, Chadigarh, Punjab, India

11:20-11:55



**Title: Biomaterials-Based Hydrogels: Recent Advances and Biomedical Applications**

Dr. Adina Magdalena Musuc, Senior researcher II, Ilie Murgulescu Institute of Physical Chemistry, Romania

11:55-12:00

Break

12:00-12:35



**Title: Nanoscale bending properties of bio-inspired Ni-graphene nanocomposites**

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

12:35-13:10



**Title: Application of Computational Thermodynamic and CALPHAD in Design and Development of Lightweight Metallic Materials**

Mr. Obidimma Ikeh, University of Cincinnati, Ohio, USA

13:10-13:45



**Title: Approach Machines Architecture Of Emerging In Magnetism For Materials Recycling Of Waste For Producing Textiles Fibres**

Prof. Dr. ELSAYED AHMED ELNASHAR, Kaferelsheikh University, Egypt

13:45-14:15



**Title: Effect of Metallurgical Fundamentals and Welding Processes on Joining of Dissimilar Steels.**

Mr. Ozgur UYAR, GSI SLV-TR Welding Technology Testing and Professional Development Center, Turkey

Speakers slots are available

# Thank you!

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# OUR NEXT EVENT

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**10<sup>th</sup> Global Webinar on  
Materials Science and Engineering**

**August 01-02, 2024**

## OUR OTHER CONFERENCES

<b>5<sup>th</sup> Global Webinar on Laser, Optics and Photonics</b>	<b>April 17-18, 2024</b>
<b>9<sup>th</sup> Global Webinar on Public Health</b>	<b>April 24-25, 2024</b>
<b>7<sup>th</sup> Global Webinar on 3D Printing and Additive Manufacturing</b>	<b>April 29-30, 2024</b>
<b>Global Webinar on Pharmaceuticals and Drug Delivery Research</b>	<b>June 05-06, 2024</b>
<b>Global Webinar on Renewable and Sustainable Energy</b>	<b>June 12-13, 2024</b>
<b>Global Webinar on Vaccines Research and Development</b>	<b>June 19-20, 2024</b>
<b>4<sup>th</sup> Edition of Global Webinar on Nanotechnology and Nanoscience</b>	<b>June 26-27, 2024</b>
<b>10<sup>th</sup> Global Webinar on Applied Science, Engineering and Technology</b>	<b>July 03-04, 2024</b>
<b>12<sup>th</sup> Global Webinar on Traditional and Integrative Medicine</b>	<b>July 10-11, 2024</b>
<b>11<sup>th</sup> Global Online Conference on Forensic Science</b>	<b>July 17-18, 2024</b>
<b>10<sup>th</sup> Global Webinar on Materials Science and Engineering</b>	<b>August 01-02, 2024</b>