

# Global Scientific Guild Conference

## Program

### Global Webinar on Applied Science, Engineering and Technology

April 12-13, 2021

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[appliedscience@gsguild.org](mailto:appliedscience@gsguild.org)  
[www.globalscientificguild.com/applied-science-webinar](http://www.globalscientificguild.com/applied-science-webinar)

# Day-1

April 12, 2021

Timing: 10:00-18:30 CEST – Central European Summer Time Zone

10:00-10:15 Introduction/Opening Ceremony

10:15-10:50 **Title: Variable Amplitude Fatigue in Selected Aluminium Alloys**

Prof. N.Ranganathan, University of Tours, France

10:50-11:25 **Title: On Intentional Network Traffic Congestions Brought About by Packet Storms Targeting Bottlenecked Links**

Dr. Shigeo Akashi, Tokyo University of Science, Japan

11:25-12:00 **Title: Stereolithographic Additive Manufacturing of Practical Materials Components**

Dr. Soshu Kirihara, Osaka University, Japan

12:00-12:35 **Title: Earth Dam Failure Procedure Monitoring by Using Infrared Thermal Imager**

Dr. Chien-Yuan Chen, National Chiayi University, Taiwan

12:35-13:05 **Challenges of Sustainable water resource management in light of climate change**

Dr. Mervat El-Hoz, University of Balamand, Lebanon

13:05-13:15 Panel Discussion

13:15-13:45 Lunch Break

13:45-14:20 **Title: Machine learning in science and engineering**

Dr. Marek Smieja, Jagiellonian University, Poland

14:20-14:50 **Title : The Generation Of Unit P2 Meshes Error Estimation And Mesh Adaptation**

Dr. Ruili Zhang, UCL, Belgium

14:50-15:20 **Does the Lean Six Sigma Philosophy Have any Impact on the Safety of organizations?**

Dr. Jose Carlos Vieira Sa, Polytechnic of Porto, Portugal

15:20-15:50 **Title: Computer Science and Applications**

Dr. Jeffrey J. Seaman, Point Park University, USA

15:50-16:05 Break

16:05-16:40 **Title: Comparison of Pore Structure in Alkali Activated Fly Ash Geopolymer and Ordinary Concrete Due to Alkali-silica Reaction Using Micro-computed Tomography**

Dr. Mijia Yang, North Dakota State University, USA

16:40-17:15 **Title: Fiber Reinforced Asphalt Concrete: Overview, Mechanism, and Application**

Dr. Hossein Noorvand, Arizona State University, USA

17:15-17:50 **Title: Emerging Trends in Sustainability Practices in the Canadian Construction Industry**

Dr. Faisal Arain, Vice President, Academic Northern Lakes College (NLC), Canada

17:50-18:05 E-Poster Presentation

EP-01 **Title: Thermoeconomics: a holistic approach to technical development**

Dr. Umberto Lucia, Politecnico di Torino, Italy

EP-01 **Title: Thermoeconomics: a holistic approach to technical development**

Dr. Giulia Grisolia, Politecnico di Torino, Italy

18:05-18:30 Panel Discussion

Day 1 Ends

# Day-2

April 13, 2021

Timing: 10:00-17:30 CEST – Central European Summer Time Zone

- 10:00-10:30** Title: Computation of steady dissipative thermal convection boundary layer flow of couple stress electroconductive polymer from an exponentially stretching sheet with hydrodynamic wall slip, Hall current and Ohmic heating  
Dr. J.C. Umavathi, Gulbarga University, India
- 10:30-11:00** Title: Recent Advances in Acoustic Emission Signal Processing  
Dr. Prajna Kunche, Indira Gandhi Center For Atomic Research, India
- 11:00-11:35** Title: Reconstruction Of Multidimensional Data on Intelligent Technology And Artificial Intelligence  
Dr. Dariusz Jacek Jakóbczak, Koszalin University of Technology, Poland
- 11:35-12:05** Title: Evolution in Time of Total Energy of ZnO Rocksalt Structure and Phase Transition a Molecular Dynamics Computational  
Dr. Yahia Chergui, University M'Hamad Bougara of Boumerdes, Algeria
- 12:05-12:40** Title: Lack of L1CAM drives tumorigenicity, stemness and tumor fibrosis in pancreatic ductal adenocarcinoma  
Dr. Donatella Delle Cave, Institute of Genetics and Biophysics "Adriano Buzzati Traverso", Italy
- 12:40-12:55** Panel Discussion
- 12:55-13:30** Lunch Break
- 13:30-14:05** Title: Trends in Electronic Communication  
Dr. Ambresh P. Ambalgi, Mangalore University, India
- 14:05-14:40** Title: Fuel Blends in Internal Combustion Engines  
Dr. Hasan Koten, Istanbul Medeniyet University, Turkey
- 14:40-15:15** Title: Future Energy Industry; Key Challenges, Digitalization and Supercritical CO2 Power Systems  
Dr. Ahmad K. Sleiti, Qatar University, Qatar
- 15:15-15:50** Title: Health and safety management at teacher work position with regard to pandemia time  
Dr. Renata Stasiak-Betlejewska, Czestochowa University of Technology, Poland
- 15:50-16:25** Title: Recent Advances in Fractional adaptive Control  
Dr. Samir Ladaci, National Polytechnic School of Constantine, Algeria
- 16:25-17:00** Title: Third Millennium Life Saving Smart Cyberspace driven by AI & Robotics  
Prof. Eduard Babulak, National Science Foundation, USA
- 17:00-17:30** Panel Discussion

**Vote of Thanks  
Day 2 Ends**

**Next Event:**  
**2<sup>nd</sup> Global Webinar on**  
**Applied Science, Engineering and Technology**  
***August 27-29, 2021***

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