

**7<sup>th</sup> Edition of Applied Science,  
Engineering and Technology Virtual**

**OCTOBER 28, 2022**



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Webinar  
Timings

Speakers  
Timings

07:00 – 07:10

Introduction



## Plenary Sessions

07:10 – 07:55

15:10 – 15:55

Title: Topologically Protected Wave Propagation in Acoustic Metamaterials

**C.W. Lim, City University of Hong Kong, Hong Kong.**

07:55 – 08:40

09:55 – 10:40

Title: Automotive LEDs for Safety Relevant Applications

**Karlheinz Blankenbach, Pforzheim University Display Lab, Germany.**

08:40 – 09:25

17:40 – 18:25

Title: Design of Biocompatible Soft-Materials for Advanced Medical Devices by the Intermediate Water Concept

**Masaru Tanaka, Kyushu University, Japan**



## Keynote Sessions

09:25 – 10:00

17:25 – 18:00

Title: Environmental Engineering, Connecting to Country with Virtual Reality

**Jorg Imberger, UCL, Australia.**

10:00 – 10:35

18:00 – 18:35

Title: Multi-data based urban renovation in TOD development

**Zhu Yuan, Southeast University, China.**

10:35 – 11:10

12:35 – 13:10

Title: Iterative Krylov subspace methods for solving dense method of moments linear systems from computational electromagnetics

**Bruno Carpentieri, Free University of Bozen-Bolzano, Italy.**

11:10 – 11:45

14:10 – 14:45

Title: Improving the Reliability Design of Mechanical Systems such as Refrigerator

**Seongwoo Woo Ethiopian Technical University, Ethiopia.**

11:45 – 12:20

19:45 – 20:20

Title: 3D City Modelling: Current Status and Challenges

**Uznir Ujang, Universiti Teknologi Malaysia, Malaysia.**

12:20 – 12:55

14:20 – 14:55

Title: Basic pharmacology technology and future perspectives

**Antonio Steardo, Antonio Steardo chemist office, Italy.**

12:55 – 13:30

14:55 – 15:30

Title: Scanning electron microscopy (SEM) and variable-pressure SEM combined with software aided image analysis application in biofilm imagin

**Michela Relucenti, Sapienza University of rome, Italy.**

13:30 – 14:05

19:00 – 19:35

Title: Modal Stability Of Complex Magnetized Astroclouds With Bulk Fugacity Effects

**Pralay Kumar Karmakar, Tezpur University, India.**

14:05 – 14:40

13:05 – 13:40

Title: Holistic approach in structural design and material development to boost aluminium use in Evs

**Yan Huang, Brunel University London, UK.**

14:40 – 15:15

18:40 – 19:15

Title: TiO<sub>2</sub>-based nanocomposite photocatalysts for wastewater treatment

**Saima Farooq, University of Nizwa, Oman.**

15:15 – 15:50

17:17 – 17:50

Title: Core–shell nanostructures: applications in capacitors to increase the energy storage

**Cécile Autret-Lambert, GREMAN laboratory, France.**

15:50 – 16:25

11:50 – 12:25

Title: Intelligent Pattern Recognition and Learning

**Patrick Wang, Northeastern University, USA.**

**Closing Ceremony**