

4th Edition of Materials Science & Nanoscience Webinar

February 18 | 07:00 – 15:30 GMT

V-Mat2022



07:00 – 07:10

Introduction



Keynote Sessions

Webinar

Speakers

Time Zone

Time Zone

07:10 – 07:45

15:10 – 15:45

Title: Development of Superinsulation Materials

Chul B Park, University of Toronto, Canada.

07:45 – 08:20

18:45 – 19:20

Title: Graphene Origami Based Mechanical Metamaterials

Jie Yang, RMIT University, Australia.

08:20 – 08:55

09:20 – 09:55

Title: TiO₂ nanostructures for photocatalysis: morphologies, co-catalysts and applications**Anca Mazare**, Friedrich Alexander University of Erlangen Nurnberg, Germany.

08:55 – 09:30

16:55 – 17:30

Title: Characterization and Morphology control of Tungsten and tungsten oxide powders

Jinshu Wang, Beijing University of Technology, China.

09:30 – 10:05

18:30 – 19:05

Title: Solvent-free Functional Molecular Liquids towards Soft Electronics

Takashi Nakanishi, International Institute for Materials Science (NIMS), Japan.

10:05 – 10:10

Networking and Refreshments Break

10:10 – 10:45

19:10 – 19:45

Title: Nano-micro Hierarchical Structures Fabrication by UV Imprint Process with Capillary Force

Young Tae Cho, Changwon National University, Korea.

10:45 – 11:20

18:45 – 19:20

Title: Electronic Structures of $\text{CH}_3\text{NH}_3\text{PbI}_3$ Perovskites

Khian-Hooi Chew, University of Malaya, Malaysia.

11:20 – 11:55

12:20 – 12:55

Title: Nanomaterial-based SERS sensing for biomedical applications

Anna Chiara De Luca, Institute of Endocrinology and Experimental Oncology “G. Salvatore”, Second Unit, National Research Council of Italy, Italy.

11:55 – 12:30

12:55 – 13:30

Title: Zn-based nanoantimicrobials as green and versatile agents against bacteria and SARS-CoV-2

Rosaria Anna PICCA, Chemistry Department/ University of Bari Aldo Moro, Italy.

12:30 – 13:05

14:30 – 15:05

Title: Understanding Layered Double Hydroxide Properties as Nanocarriers for Chemotherapeutics and Contrast Agents

Brindusa Dragoi, Regional Institute of Oncology Iasi, Romania.

13:05 – 13:40

21:05 – 21:40

Title: Nano-Delivery System Innovations through Materials Engineering

LOO Joachim, Nanyang Technological University, Singapore.



Invited Sessions

13:40 – 14:00 19:10 – 19:30

Title: A Bioinspired Hybrid Ionogel for Low-power Hyper-sensitive Electronic Skins

Vipin Amoli, Rajiv Gandhi Institute of Petroleum Technology, India.

14:00 – 14:20 17:00 – 17:20

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

Seongwoo Woo, Ethiopian Technical University, Ethiopia.

14:20 – 14:40 17:20 – 17:40

Title: Shape Reversibility and Temperature Deformation Relations in Shape Memory Alloys

Osman Adiguzel, Firat University, Turkey.

14:40 – 15:00 15:40 – 16:00

Title: Improvement of the anticorrosion resistance of nickel by polypyrrole coating electrosynthesized in salicylate medium

Aouzal Zaynab, Mohammed First University Faculty of Sciences, Morocco.

15:00 – 15:20 18:00 – 18:20

Title: CO₂ capture performance of sulfur and oxygen doped carbons derived from a molecular precursor

Ali Can Zaman, Yildiz Technical University, Turkey.

e-poster Presentation

15:20 – 15:30 16:20 – 16:30

Title: Aluminium alloys for automotive cables

Patryk Jałowy, AGH – University of Science and Technology, Poland.

Closing Ceremony