

# Webinar

## Program

# V-Nano2021

July 16- 17 | 07:00 – 12:00 GMT



**July 16, 2021**

**GMT 07:00 – 12:00**

07:00 – 07:10

Introduction



## Keynote Sessions - 1

Webinar

Speakers

Time Zone

Time Zone

07:10 – 07:45

10:10 – 10:45

Title: Development of the Nature-Inspired Multifunctional Nanomaterials

**Tighineanu Ion**, Technical University of Moldova, Republic of Moldova.

07:45 – 08:20

16:45 – 17:20

Title: Single-walled carbon nanotube growth by CVD with platinum-group metal catalysts

**Takahiro Maruyama**, Meijo University, Japan.

08:20 – 08:55

09:20 – 09:55

Title: Iridium-based nanoclusters and single-atom catalysts for efficient and durable oxygen evolution in acidic media

**Lifeng Liu**, International Iberian Nanotechnology Laboratory (INL), Portugal.

08:55 – 09:30

09:55 – 10:30

Title: Energy Harvesting and Magnetic Field Sensing with Bidomain LiNbO<sub>3</sub>-Based Composites

**Nikolai Sobolev**, University of Aveiro, Portugal.

09:30 – 09:40

Networking and Refreshments Break

09:40 – 10:15

11:40 – 12:15

Title: Organisation and Self-assembly of Graphene and C-Nanomaterials

**Per A Lothman**, Foviatech GmbH, Germany.

10:15 – 10:50      18:15 – 18:50

Title: Two-dimensional exciton-polaritons

**Wenjing Liu**, Peking University, China.

10:50 – 11:25      20:50 – 21:25

Title: Electron delocalization and dissolution-restraint in Vanadium oxide superlattices to boost electrochemical performance of aqueous zinc-ion batteries

**Weijie Li**, University of Wollongong, Australia.

11:25 – 12:00      07:25 – 08:00

Title: Modeling of Nanoscale Electrical Junctions and Electrical Contacts

**Peng Zhang**, Michigan State University, USA.

**End of Day One**



**July 17, 2021**

**GMT 07:00 – 12:00**

07:00 – 07:10

Introduction



## Keynote Sessions

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07:10 – 07:45

15:10 – 15:45

Title: Efficient Droplet Dispensing Technology Based on Glass Micro-probe

**Yanzhen Zhang**, China University of Petroleum, China.

07:45 – 08:20

09:45 – 10:15

Title: Synthesis and characterization of sensing platforms for analysis of biomarkers involved in neurodegenerative and cancer disorders

**Giuliana Grasso**, Institute of Nanotechnology (NANOTEC), Italian Research Council (CNR), Italy.

08:20 – 08:55

17:20 – 17:55

Title: Stereolithographic Additive Manufacturing as Practical Ceramic Processing with Nanoparticles Paste Materials

**Soshu Kirihara**, Osaka University, Japan.

08:55 – 09:30

09:55 – 10:10

Title: Cdots-based Non-Newtonian Nanofluid as Reactive Oxygen Species Sensor

**Helena Goncalves**, REQUIMTE, Portugal.

09:30 – 10:05      17:30 – 18:05

Title: Functionalization and application of inorganic porous nanofibers

**Yunqian Dai**, Southeast University, China.

10:05 – 10:40      07:05 – 07:40

Title: Synthesis, characterization of nanoparticles prepared from yerba mate extracts. Use for Cr(VI) removal

**Marta Litter**, IIA-UNSAM, Argentina.

10:40 – 10:50

**Networking and Refreshments Break**

## Invited Sessions

10:50 – 11:10      12:50 – 13:10

Title: Anisotropic Growth of ZnO Nanoparticles Driven by the Structure of Amine Surfactants: The Surface Dynamic on Nanocrystal Rules

**Yinping Wang**, Laboratoire de Chimie de Coordination, CNRS, France.

11:10 – 11:30      12:10 – 12:30

Title: Carbon Quantum Dots as a prophylactic drug against rotenone-induced oxidative stress

**Jyoti Ahlawat**, University of Texas at El Paso, USA.

11:30 – 11:50      07:30 – 07:50

Title: In vivo toxicity of Carbon Dots

**Luís Sousa**, REQUIMTE, Portugal.

## Closing Ceremony