



2ND INTERNATIONAL CONFERENCE ON

SMART MATERIALS & MATERIAL SCIENCE

November 14-15, 2022

**HOTEL ISOLA SACRA ROME AIRPORT
ROME, ITALY**

Theme: “Innovative Approaches and Advances in the Field of
Material Science & Smart Materials ”

<https://smartmaterialsconference.com/>

Day 1 - 14 November, 2022

09:00-09:30 Registrations

09:30-09:50 Introduction

Keynote Forum

09:50-10:35 Title: Empowering materials via their nanodecoration by means of pulsed laser deposition of nanoparticles

My Ali El Khakani, University of Quebec, Canada

10:35-11:20 Title: Synthesis of magnetic nanoparticles and characterization of the nanostructures / properties correlations.

Solenne FLEUTOT, Université de Lorraine, France

Group Photo (11:20-11:30)

Networking & Refreshments (11:30-11:50)

Keynote Forum

11:50-12:35 Title: The Role of a Novel Nanomembrane-Based Therapeutic Plasma Exchange Technology in the Treatment of Myasthenia Gravis Acute Exacerbations

Dimitar Georgiev Tonev, Medical University of Sofia, Bulgaria

Plenary Sessions

12:35-13:00 Title: A Facile In Situ Synthesis of Resorcinol-Mediated Silver Nanoparticles and the Fabrication of Agar-Based Functional Nanocomposite Films

Yeong-Ju Bang, Ourhome, Seoul, Republic of Korea

Lunch (13:00-14:00)

14:00-14:25 Title: A novel method to monitor drug-induced changes in the brain: combined Raman spectroscopy and phase imaging

Alexander Khmaladze, SUNY University at Albany, USA

14:25-14:50 Title: Real time construction of CdSe@CdS colloidal quantum plates based micropixels towards display applications

PETIT Gaëtan, LPCNO, France

14:50-15:15 Title: Bioactive ceramic coatings produced by the sol-gel method on 316L stainless steel

Anna Mazur-Nowacka, Wrocław University of Science and Technology, Poland

15:15-15:40 Title: The use of deep eutectic solvents in the fabrication of thin anodic layers on the surface of titanium and its alloys

Juliusz Winiarski, Wrocław University of Science and Technology, Poland

15:40-16:05 Title: Electrodeposition of nanocrystalline Ni-Mo alloy coatings in a bath based on a choline chloride: propylene glycol deep eutectic solvent

Anna Niciejewska, Wrocław University of Science and Technology, Poland

Networking & Refreshments (16:05-16:20)

16:20-16:45	Title: Nano Metal-Organic-Frameworks as delivery systems for cancer gene therapy Arpita Poddar , Fiona Elsey Cancer Research Institute, RMIT University, Australia
16:45-17:10	Title: Advances in the Preparation and Application of Metal Shell Silica Core Particles Christina Graf , Darmstadt University of Applied Sciences, Germany

Speaker and Delegate Slots Available

Day 1 Concludes

Day 2 - 15 November, 2022

Keynote Forum

09:30-10:15	Title: Stereolithographic Additive Manufacturing Using Crystallized Ceramic Nanoparticles Soshu Kirihaara , Osaka University, Japan
10:15-11:00	Title: Lead-free ceramics for dielectric energy storage capacitors Zhilun Lu , Edinburgh Napier University, United Kingdom

Group Photo (11:00-11:10)

Networking & Refreshments (11:10-11:20)

Plenary Sessions

11:20-11:45	Title: Multiwalled carbon nanotubes functionalized with metal cations (Ni^{2+} , Co^{2+} , Mn^{2+}) in biophysical and biomedical applications. Slawomir Strzelec , AGH University of Science and Technology in Cracow, Poland
11:45-12:10	Title: Rhodococcus ruber as an alternative for the synthesis of silver nanoparticles with antimicrobial activity Diego Arroyo Peralta , Universidad Autónoma Metropolitana Xochimilco, Mexico
12:10-12:35	Title: Scrutinizing oxygen reduction reaction performance of Fe-N-MWCNT with a top bottom approach-from macro to nano scale investigations Ndrina Limani , Paris Saclay University, France
12:35-13:00	Title: Characterization and Testing of Novel Nano-Inorganic Particles to Enhance Hydrophobicity in Coil Coatings Sevval Sulubas , Akzonobel Kemipol, Turkey

Lunch (13:00 - 14:00)

14:00-14:25	Title: A deep learning-based framework for automatic analysis of nanoparticle morphology in SEM/TEM images Zhijian Sun , Shenyang Institute of Automation Chinese Academy of Sciences, China
14:25-14:50	Title: Solid-state hydrogen storage materials based on nanostructured magnesium: Synthesis and properties Matoke Peter Mose , National Taiwan University of Science and Technology, Taiwan.

Speaker and Delegate Slots Available

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Poster Presentations (14:50-15:35)

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| POS-01 | Title: Poly(vinylcarbazole) and TiO ₂ quantum dots as a donor:acceptor systems for polymeric solar cells
Dominique Mombrú , Facultad de Química - UDELAR, Uruguay |
| POS-02 | Title: Computational modeling for evaluation of 2D/bidimensional ZnO nanostructures as potential anodes for lithium-ion batteries
Fernando Pignanelli , Centro NanoMat & Área Física, DETEMA, Facultad de Química, Udelar, Uruguay |
| POS-03 | Determination of gold nanoparticles in various cosmetic systems by transmission electron microscopy
Daniel Krsek , National Institute of Public Health, Czech Republic |

Networking & Refreshments (15:35-15:50)

Panel Discussion - Awards & Closing Ceremony (15:50-16:20)

Day 2 Concludes

Speakers/Delegates Slots Available

Note: This is tentative program only Timings are subjected to change



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Important Information

Submit your Abstract in the Below Link
<https://smartmaterialsconference.com/abstractsubmission>

Abstract acceptance will be intimated through Email & WhatsApp.

Then you can proceed further by registering towards the conference to confirm your slot.
<https://smartmaterialsconference.com/registration>

FOR DELEGATE PARTICIPATION:

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<https://smartmaterialsconference.com/registration>

CONFERENCE REGISTRATION	
Category	Price
Presenter	\$ 799
Listener	\$ 849
Exhibitor	\$ 1600

REGISTRATION INCLUDES
<ul style="list-style-type: none">• Access to all Presentations• Conference Proceedings Book• Certificate Accredited by our Organizing Committee Member

DATES TO REMEMBER	
Abstract submission starts from	20 th April, 2022
First Call Registration	15 th September, 2022
On spot registration:	14 th November, 2022

GROUP REGISTRATION
Discount available for more than 3 members



<https://smartmaterialsconference.com/>



Contact Us

Conference Program Manager: [Andre Figueroa](#)

Phone: +1-718-543-9362

WhatsApp: +1-803-824-1151

For your queries regarding about abstract Submission, registration mail us at:

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Venue: Hotel Isola Sacra Rome Airport, Rome, Italy

ORGANISED BY
Coalesce Research Group,
33 Market Point Dr, Greenville, SC 29607, USA