

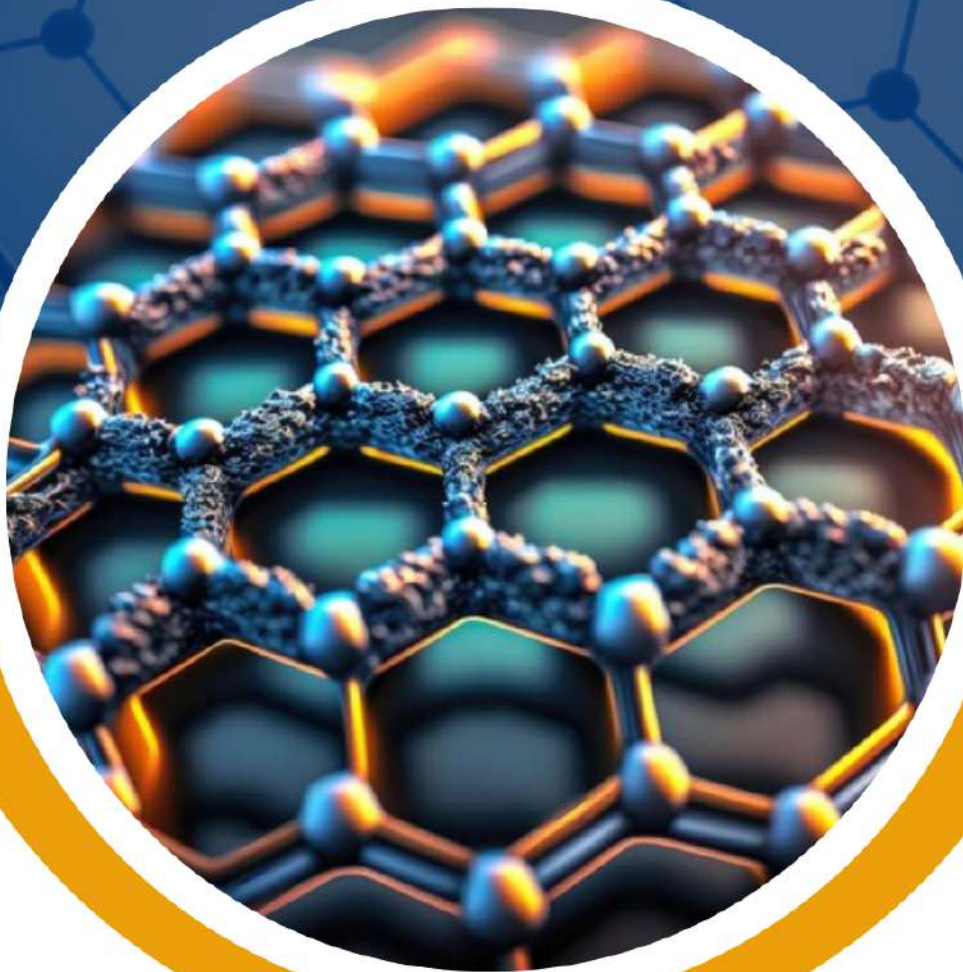
TENTATIVE PROGRAM

2nd International Conference on

NANOMAT-2024

Nanotechnology & Materials Science


November 25-27, 2024 | Paris, France



 nanomat24@xpertsmeetings.org

 +91 8341 464854

 <https://nanomatconfex.org/>

 #3rd Floor, Shanthala Nagar,
Bengaluru, 560001

Day-1

November 25, 2024

09:00-09:15

On Spot Registration

09:15-09:30

Opening Ceremony

Plenary Speakers & Keynote Speakers

Bernkop-Schnürch Andreas

The University of Innsbruck, Austria

Thiolated Nanocarriers for Drug Delivery: Mimicking the Workhorses of Our Body

Rodrigo Martins

NOVA University Lisbon, Portugal

Jun Liu

Pacific Northwest National Laboratory, USA

Martin Schmal

Federal University of Rio de Janeiro, Brazil

SYNTHESIS Of Ni and Co CATALYSTS SUPPORTED On CARBON NANOTUBES APPLIED In The PROX-CO REACTION

Invited Session

Break Out-1, Session-1

Belen Cortes Llanos

Duke University, USA

Embedded Microstructures Arrays for Single-Cell Sorting and Collection of Lymphocytes Following HIV Latency Reactivation

André Ricardo T. S. Araújo Pereira

Polytechnic Institute of Guarda, Portugal

Ricardo Torres Palma

University of Antioquia, Colombia

Understanding the Electronic and Photocatalytic Differences Between Synthesis Methods (top- down and bottom- up) as a Disinfection Strategy Against Escherichia coli ATCC 25922

Andreas Schnepf

The University of Tübingen, Germany

Metalloid Group 11 Clusters: Novel properties and Applications

Yoichi Kumada

Kyoto Institute of Technology, Japan

Sergio Carrasco

IMDEA Energy Institute, Spain

Defective Metal-Organic Frameworks for Improving Catalytic Performance

Yolanda Perez Cortes

Rey Juan Carlos University, Spain

Designing Water-Stable Hybrid Halide Perovskites for Photocatalytic Applications in Water

Qinghong Zhang

Donghua University, China

Extremely Thin Insulating Oxide Coating on Titanium Dioxide Ultrafine Powder via Atomic Layer Deposition

Break Out-2, Session-2

Weizhong Dai

Louisiana Tech University, USA

Neural Network Method for Solving Two-Temperature Micro/Nanoscale Heat Conduction in Thin Films Exposed to Ultrashort-Pulsed Lasers

Daniela Edith Salado Leza

The Autonomous University of San Luis Potosi, Mexico

A Sustainable Approach to Develop Nano-adjuvants against Cancer

Javier Reguera Gómez

Basque Center for Materials, Spain

Multifunctional Iron Oxide: Gold Nanoparticles. Structure-properties Relationship in Biomedicine

Sara demartis

University of Sassari, Italy

Advancements In Dermal Deposition Of Hydrosoluble Drugs: Overcoming Solubility Challenges Through Nanotechnology

Taras Kavetsky

Drohobych Ivan Franko State Pedagogical University, Ukraine

Correlation of Nano-Volumes and Adsorption Properties of Polymer Matrixes with Parameters of Electrochemical Biosensors

Barry D. Dunietz

Kent State University, USA

A Polarization Consistent Framework to Describe Photoinduced Charge Transfer through Molecular Interfaces

Dariusz Mierzwiński

Cracow University of Technology, Poland

Investigating Behaviour of Geopolymer with Waterproof Admixtures in High Temperatures

Zoia Duriagina

Cracow University of Technology, Poland

Surface Structure of V-Cr-Ti Alloys Irradiated by a Femtosecond Laser

Break Out-3, Session-3

Giulia Siciliano

CNR Nanotec - Institute of nanotechnology, Italy

Development of Innovative MIP Based Sensors for Liquid Biopsy

Sepideh Akhbarifar

The Catholic University of America, USA

Anna Chiara Siciliano

CNR Nanotec - Institute of nanotechnology, Italy

A 3D Pancreatic Cancer Model With Integrated Optical Sensors for Non-Invasive Metabolism Monitoring and Drug Screening

Andreina Garcia

University of Chile, Chile

Photothermal Nanocomposite Membranes for the Treatment of Mining Effluents

Takeo Hyodo

Institute of Integrated Science and Technology, Nagasaki University, Japan

Diode Devices for Detection of Hydrogen Under Gaseous Atmosphere and for Monitoring of Oil Deterioration

Mengli Zhang

Hiroshima University, Japan

Examining Adsorption Characteristics and Adsorption Energy on Gas Sensors Utilizing Multi-walled Carbon Nanotubes: A Comparison Between Polar and Non-Polar Molecules

Hang Xue

Xi'an Jiaotong University, China

Heat-resistant Al alloys with Diffusion-Dominated Solid State Phase Transformation Via Solute Uptake and Interstitial Ordering

Gang Liu

Xi'an Jiaotong University, China

Heat-resistant Al alloys with Diffusion-Dominated Solid State Phase Transformation
Via Solute Uptake and Interstitial Ordering

End of Day-1 Program

Day-2

November 26, 2024

Plenary Speakers & Keynote Speakers

Manuel Ricardo Ibarra

University of Zaragoza, Spain

New Perspectives for Application of Magnetic Nanoparticles in Biomedicine

Rigoberto Advincula

Case Western Reserve University, USA

Paulo Cesar De Moraes

Catholic University of Brasília, Brazil

Metal Oxide-Based Thin Films for Chemicals' Sensor Application

REN Xiaobing

National Institute for Materials Science, Japan

Strain Glass as a New Class of Smart Structural Material

Break Out-1, Session-4

Chong Yang

Xi'an Jiaotong University, China

Heat-resistant Al alloys with Diffusion-Dominated Solid State Phase Transformation
Via Solute Uptake and Interstitial Ordering

Bluma Guenther Soares

Federal University of Rio de Janeiro, Brazil

Polymer Composites with Carbonaceous Nanoparticles as Efficient Microwave
Absorbing Materials

D.S. Mahmoud

National Research Centre, Egypt

Exploring the Impact of Novel Synthesized Nanocomposites on Strength Development
of Eco-Cement Paste

Walaa Mohamed Abd El-Gawad

National Research Centre, Egypt

Antimicrobial and Mechanical Properties of Colored Cement based on Novel Nanocomposites

Peter S. Boone

Lawrence Livermore National Laboratory, USA

Exploring a Novel Electrochemical Method for Fabrication of Homogeneous Silica Reference Materials

Zakarian Dora

Frantzevich Institute for Problems of Materials Science, Ukraine

Physical Characteristics of Multielement Transition Metal Diborides Taking into Account the Size Factor

Daniel Q. Tan

Guangdong Technion-Israel Institute of Technology, China

ZnO, N-dually doped Metal-Organic Framework Deposited on Carbon Cloth as an Efficient Host for Stable Li Metal Anodes

Svetlana V. Rempel

Russian Academy of Sciences, Russia

Semiconductor Nanoparticles: Design, Properties and Self-Assembly

Break Out-2, Session-5

Igor Uflyand

Southern Federal University, Russia

Preparation of New Silver-Containing Nanocomposites and their use in Chemical Analysis

Muhammad Tayyab

Tsinghua University, China

Yannis Cheref

École Polytechnique, France

Abd El-Aziz Ahmed Said

Assiut University, Egypt

Xu Zhang

Carnegie Mellon University, USA

Yuping Liu

China Geological Survey, China

Mohammed Alamri

Umm Al-Qura University, Saudi Arabia

Stefan Mihaela C

University of Texas at Dallas, USA

Break Out-3, Session-6

Yubo Luo

Huazhong University of Science and Technology, China

Engang Fu

Peking University, China

Serena Riela

University of Catania, Italy

Nanomaterials Based on Clay Minerals for new research Frontiers

Ülkü ANIK

Mugla Sitki Kocman University, Turkey

Ramisah Rabiya

National Energy University Kajang, Malaysia

Jingcheng Hao

Shandong University, China

Jurado Sánchez Beatriz

University of Alcalá, Spain

Fahmi Bedoui

University of Technology of Compiègne, France

End of Day-2 Program

Day-3

November 27, 2024

Plenary Speakers & Keynote Speakers

Thomas J. Webster

Hebei University of Technology, China

Implantation of Nanomaterials in Humans: Zero Failures, Complete Success

Anderson Shum

The University of Hong Kong, Hong Kong

Ram K. Gupta

Pittsburg State University, USA

Maryam Tabrizian

McGill University, Canada

Break Out-1, Session-7

Igor S. Golovin

National University of Science and Technology MISIS, Russia

Estrada-Guel I

CIMAV, Mexico

Maria Rute Ferreira André

University of Aveiro, Portugal

Rosario Pignatello

University of Catania, Italy

Carlos Rettori

Universidade Estadual de Campinas, Brazil

Flavia da Cruz Gallo

University of Florida, USA

Ece Unur-Yilmaz

Bursa Technical University, Turkey

Energy Storage Materials and Their Applications

Yasith C. Jayakody

Kingston University, UK

Break Out-2, Session-8

Harishchandra Singh

University of Oulu, Finland

Luigi Maxmilian Caligiuri

Foundation of Physics Research Center (FoPRC), Italy

Peng Shi

Politecnico di Torino, Italy

Edgar Arturo Chavez Urbiola

National Polytechnic Institute, Mexico

Ning Song

The University of New South Wales, Australia

Multifunction Coatings for Solar Modules

Cheng-Yao Lo

National Tsing Hua University, Taiwan

Renata Antoun Simão

Federal University of Rio de Janeiro, Brazil

Natural Polymers Nanoparticles

YASSINE BELDJOURI

Northwestern University, USA

Charge Transfer Supramolecular Tessellations of Macrocyclic Polygons

Break Out-3, Session-9

Moulahi ALI

University of Tabuk, Saudi Arabia

Omayma Abd El- Gawad ElKady

Central Metallurgical Research & Development Institute, Egypt

Impact of BaSO₄ Additions On The Microstructure & Mechanical Properties of Cu- 20Fe Composite For Chain Brake Bits Applications Manufactured By Powder Metallurgy.

Chiara Ingrosso

Italian National Research Council CNR, Italy

Noureen Syed

Shaanxi University of Science and Technology, China

Qiao Lin

Columbia University, USA

Suvodeep sen

University of Limerick, Ireland

Heterostructuring Palladium-Copper Alloy by Colloidal Synthesis Chemistry through Precursor-Based Phase Control: Understanding Crystallization Dynamics and Exploring Electrochemical Potential

Dongli Zou

Institute of Materials, China

Xin Li

National University of Defense Technology, China

Farhad Saba

Shanghai Jiao Tong University Shanghai, China

Erika Porcel

University Paris Saclay, France

John Zhou

University of Technology Sydney, Australia

End of Day-3 Program