



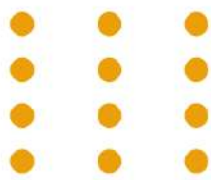
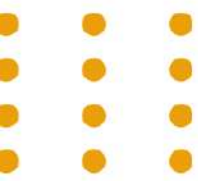
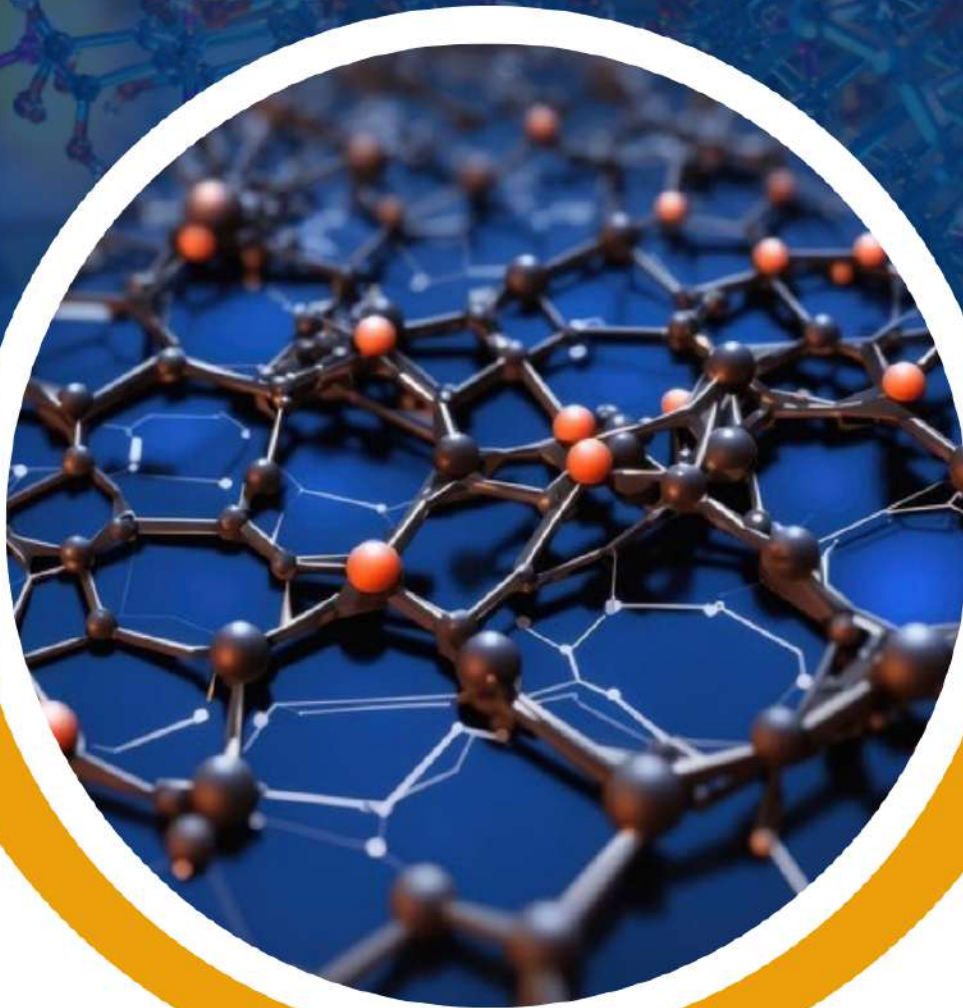
TENTATIVE PROGRAM

International Conference on

MATERIALS-2024

Materials Science & Engineering


August 22-24, 2024 | Lisbon, Portugal



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 <https://xpertsmeetings.org/materials24/>

 #3rd Floor, Shanthala Nagar,
Bengaluru, 560001

DAY-1

August 22, 2024

09:00-09:15

On Spot Registration

09:15-09:30

Opening Ceremony

Plenary Speakers & Keynote Speakers

Thomas webster

Hebei University of Technology, USA

How Artificial Intelligence is Impacting Materials Research.

Sergey Suchkov

Institute for Biotech & Global Health of RosBioTech and A.I. Evdokimov MGMSU, Russia

Personalized and Precision Medicine (PPM) as a Unique Healthcare Model to Be Set Up through Biodesign-Inspired Biotech-driven Translational Applications and Upgraded Business Marketing to Secure the Human Healthcare, Wellness and Biosafety

Harvey Huang

The University of Edinburgh, UK

Susana Cardoso Freitas

INESC-Microsistemas e Nanotecnologias, Portugal

Controlling thin films and interfaces for superior performance of spintronic sensors

Invited Session

Break Out-01, Session-01

Masataka Ijiri

Tokyo Metropolitan University, Japan

Study on Surface Modification Technology to Improve Wear and Fatigue Properties of Pure Titanium

Jiehua Li

University of Leoben, Austria

Precipitation of Al-Cu-Mg based alloys produced by additive manufacturing

KATIA REGINA CARDOSO

Universidade Federal de São Paulo, Brazil

José Pedro Rino

Federal University of São Carlos, Brazil

Ke Han

Florida State University, USA

High-strength materials for high field resistive magnets

Marta Dias

IPFN, Instituto Superior Técnico, Portugal

W-based high entropy alloys for nuclear fusion

Victor Dyomin

National Research Tomsk State University, Russia

Machine vision system based on digital holography methods and deep convolutional neural networks for automatic registration of volume defects and their identification in optical workpieces

Eveliina Repo

LUT University, Finland

3D-printed adsorption materials for metal removal and recovery

Giovanni Magno

Polytechnic University of Bari, Italy

Design of Metalenses for AR Applications

Carlo Burkhardt

University in Baden-Württemberg, Germany

Challenges and Solutions for the Sustainable Recycling of Rare Earth Permanent Magnets with Hydrogen

Break Out-02, Session-02

Seonwoo Park

NATIONAL Korea Maritime & Ocean University, Korea(south)

Properties of Hexagonal-Shape Si Epilayer on 4H-SiC Substrate Grown by Hydride Vapour Phase Epitaxy

Suhyun Mun

NATIONAL Korea Maritime & Ocean University, Korea(south)

HVPE Growth of SiGe (Ge, Si) -AlN Core-Shell Microneedles by Al-Based Nano Absorber

Piotr Cyganik

Jagiellonian University, Poland

Thermally Stable Aromatic SAMs for Formation of Highly Conductive or Highly Insulating Organic Monolayers on Metals

Shingo Matsukawa

Tokyo University of Marine Science & Technology, Japan

Zaifa Zhou

Southeast University, China

Paul Wood

The University of Derby, UK

Seokbae Lee

Daegu Gyeongbuk Center, Korea (South)

A study on the change in fluidity according to Si content in aluminum alloys through simulation of casting processes

Piotr Cyganowski

Wroclaw University of Science and Technology, Poland

Enhancing Catalytic Reduction of Nitroaromatic Compounds with Subnanometric Re-based Nanocatalysts

Olga Tsurtsumia

Georgian Technical University, Georgia

Effect of surface slurry aluminization on high temperature behavior of DADI

Filip Kaspryszyn

Poznan University of Technology, Poland

Electrospinning of lignin nanofibers from natural deep eutectic solvent

Break Out-03, Session-03

Seunghyun Cho

Dongyang Mirae University, Korea (South)

A Study on the strength of the Hydrogen Storage Vessel(TYPE 1) Considering the Change of Material Properties by Spin Foaming

Adam Sieradzki

Wroclaw University of Science and Technology, Poland

Marceli do Nascimento da Conceição

Centro de Tecnologia Mineral, Brazil

Filament for Additive Manufacturing of Anti-Slip Properties Using Mineral Waste

Elsa Dos Santos Antunes

James Cook University, Australia

Pnina Ari-Gur

Western Michigan University, USA

Size-effect on the Magnetocaloric Behaviour of Ni-Mn-In Heusler Alloys

Michal Knapek

Charles University, Czech Republic

Multiscale characterization of (micro)plasticity in hcp metals

Mohamed Abdelsabour Fahmy

Ummul Qura University, Saudi Arabia

End of Day-1 Program

Plenary Speakers & Keynote Speakers**Liu Jun**

Pacific Northwest National Laboratory, USA

Shen Ze xiang

Nanyang Technological University, Singapore

Wang Yunzhi

The Ohio State University, USA

Mohammed Jasim Uddin

THE UNIVERSITY OF TEXAS, USA

Invited Session**Break Out-01, Session-04****Mary Chan-Park**

NTU, Singapore

Antibacterial polymers and their applications as antibiotic replacements, antibiofilm agents, and for device applications

Goban Kumar Panneer Selvam

CINVESTAV, Mexico

Synthesis of tin oxide and copper doped tin oxide nanoparticles using sol-gel method for CO and propane sensors

Renato Tomaš

Faculty of Chemistry and Technology, University of Split, Croatia (Hrvatska)

Ionic liquids: Material of the future, application and some methods of investigation

Ahmed Seyam

Budapest University of Technology and Economics, Hungary

Effects of Age and Aggregate on Concrete Flexural Tensile Strength after Exposed to Elevated Temperatures

Ahmed Abdel Kader Mohamed Farid

Benha university, Egypt

Reducing construction waste in the construction life cycle of industrial projects during design phase by using system dynamics

Marwah Manea Thajeel

Budapest University of Technology and Economics, Hungary

The Influence of Testing Direction and Printing Path on Compressive Strength of 3D-Printed Concrete

NOOR HASSAN

Zhejiang Normal University, China

Synthesis and fabrication of sustainable superhydrophobic coatings on materials to protect from corrosion, bacteria, and other applications

Manfredi Saeli

University of Palermo, Italy

Developing novel materials for building energy improvement reusing organic wastes

Jongbeom Lee

Korea Institute of Industrial Technology, Korea (South)

Cubic-tetragonal transformation, transition enthalpy, and oxidation binding energy of hydrothermally synthesized BaTiO₃ nanopowders via pre-annealing and sintering processes

Break Out-02, Session-05

Daining Fang

Beijing Institute of Technology, China

Smart materials and structures: From 3D to 4D printing

Ali Babakr

Emerson, United States

Effect of Additive Manufacturing Parameters on 316L Mechanical and Corrosion Behavior

Massimo Innocenti

Università di Firenze, Italy

New materials in the field of fashion accessories

Gisleiva Cristina dos Santos Ferreira

UNICAMP, Brazil

Evaluation of the dynamic modulus of elasticity of mortars with Ladle Furnace Slag

Qiaolong YUAN

EAST CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY, China

Bismaleimide resin modified by a propargyl substituted aromatic amine with thermomechanical stability and intrinsic flame retardanc

ESRA ZERINA APPAVURAVTHER

University of Camerino, Italy

VERTICAL CRYSTALLINE SILICON SPRING BLADES FOR SUSPENSION SYSTEM IN THE EINSTEIN TELESCOPE PROJECT

Kai Wu

Xi'an Jiaotong University, China

Fracture Behaviour and Electromechanical Properties of Metal films For Flexible Electronics

Chong Yan

Beijing Insititue of Technology, China

Uncovering Asymmetry in Fast Charging of Li-ion Batteries

Viktoriya Maltseva

Ural Federal University, Russian Federation

Additive Manufacturing of R-Fe-B Type Permanent Magnets

Urzhumtsev Andrey

Ural Federal University, Russian Federation

Mechanism of magnetization reversal process and formation of a high coercive state in rare-earth permanent magnets

Break Out-03, Session-06

Sung-Woong Choi

Gyeongsang National University, Korea (South)

Analysis of temperature effect of protection material for the 66kV submarine cable under laying methods and burial depths

Xujie Lü

Center for High Pressure Science and Technology Advanced Res, China

Modulation of structure-function motifs in optoelectronic metal halides using pressure

Olivier Bouaziz

University of Lorraine, France

Improvements of dislocations based behaviour laws

Gyanendra Bhatta

Northeastern University, Shenyang, China

Microstructure and mechanical properties of solid state recycled 4Cr5MoSiV (H11) steel prepared by powder metallurgy

Ying-Hao Eddie Chu

National Tsing Hua university, Taiwan

Agraja Thomas

Purdue University Northwest, USA

Saurav Mallik

Harvard University, USA

Marjoni Imamora

UIN Mahmud Yunus Batusangkar, Indonesia

Nima Azimi

University of Minho, Portugal

Pasquale Daniele CAVALIERE

University of Salento, Italy

Hydrogen diffusion leading to embrittlement of Nickel-based superalloys

End of Day-2 Program

DAY-3

August 24, 2024

Plenary Speakers & Keynote Speakers

Roya MABOUDIAN

University of California, USA

Chuanyi Wang

Shaanxi University of Science & Technology, China

Defect Engineering in Photocatalysis

Poon Joseph

University of Virginia, USA

Carroll David

Wake Forest University, USA

Topological Time Crystals base on 2D chalcogenide manifolds

Valiyaveetil Suresh

National University of Singapore, Singapore

Karbhari Vistasp

The University of Texas at Arlington, USA

Ram Gupta

Pittsburg State University, USA

Vasudevanpillai Biju

Hokkaido University, Japan

Excitons and charge carriers in semiconductor quantum dots

MIRYALA MURALIDHAR

Shibaura Institute of Technology, Japan

Superconducting Technology: Transforming the Fight Against Climate Change

David Kisailus

University of California, Irvine, USA

Lu Luna

Purdue University, USA

Yu Chen

School of Materials Science and Technology of Beijing Institute of Technology, China

Trukhanov Alex

National Academy of Sciences of Belarus, Russia

Valdirene Maria Silva Capuzzo

Universidade de Brasília, Brazil

Xie Fang

Imperial College, UK

Plasmonic Nanomaterials Engineering for Healthy and Sustainable Society

Oren Sadot

Ben Gurion University of the Negev, Israel

Mohamad Hasan Aleinawi

Alabama State University, USA

Wu Wei

University College London, UK

Xianguang Yang

Jinan University, China

Electroluminescent fibers and electrically pumped lasers based on quantum dots and polymers

Michael Aizenshtein

Ben-Gurion University of the Negev, Israel

Single phase medium entropy U based alloy.

Jarek Milewski

Warsaw University of Technology, Poland

Ikuo Yanase

Saitama University, Japan

Berenice Martins Toralles

Universidade Estadual de Londrina, Brazil

I. Estrada-Guel

Center for Research in Advanced Materials (CIMAV), Chihuahua, Chihuahua, Mexico

Paula Seabra

University of Aveiro, Portugal

Hans Fecht

Ulm University, Germany

Christian Ruby

University of Lorraine, France

Silviany Goulart

University of Extremo Sul Catarinense - UNESC, Brazil

Sanjay Rastogi

King Abdullah University of Science and Technology, Saudi Arabia

Yi Wang

Federal Institute of Technology in Lausanne, Chile

Mohsen Sadeqi-Moqadam

Norges teknisk-naturvitenskapelige universitet - NTNU, Norway

Piezoelectric and flexoelectric characterizations via electrokinetic measurements.

Break Out-02, Session-08

Shah Kwok Wei

National University of Singapore, Singapore

Andrew Piper

Catalan institute of nanoscience and nanotechnology, Spain

Low-Cost Nanoband Electrodes for Point-of-Care Sensing Applications

Kexin Jin

Northwestern Polytechnical University, China

Xin Li

National University of Defense, China

Laurie Da Silva

The Scottish Institute for Remanufacture, UK

Experimental investigation of inertia friction welded joints of Ti-6Al-4V alloy

William Cho

The Baptist University of Hong Kong, Hong Kong

Mathew T. Mathew

University of Illinois at Chicago, USA

Muhammad Shahzad

Northumbria University, UK

Noorshashillawati Azura Mohammad

niversiti Teknologi MARA, Malaysia

T.K. Mandal

Yeungnam University, Korea

Sustainable Approaches in Nanomaterials Manufacturing for Non-Toxic and Eco-friendly Cosmetic Innovations

Amit kumar choudhary

IMFAA and Matworks Germany, Germany

Indraneel Chowdhury

University of Plymouth, UK

Congxiao Liu

ALABAMA A&M UNIVERSITY, USA

Guo Baoshan

Beijing Institute of Technology, China

Xuan Qin

Beijing University of Chemical Technology, China

Liqun Zhang

Beijing University of Chemical Technology, China

Break Out-03, Session-09

Ali Sadi Başak

Turkey

Ahmed M. Yassin

Egypt

Pietro

University of Pavia, Italy

Pourdavood Mohammad

School of Higher Technology, Canada

Microstructure Sensitive Modelling of Short Fatigue Cracks in Polycrystalline Materials

Pritom Jyoti Bora

Singapore University of Technology & Design, Singapore

Gaussian Process Regression for Materials Optimization for Electromagnetic Applications

Teng Li

École Polytechnique Fédérale de Lausanne, Switzerland

Varad Maitra

Graduate Assistant at University of Cincinnati, USA

Redouane Borsali

French National Centre for Scientific Research, CNRS, France

Self-assembly of Glycopolymers systems

Alessandra Lanzara

Materials Sciences Division of the Lawrence Berkeley National Laboratory, USA

Panagiotis Politis

University of Thessaly, Greece

Wu Chao

South Kensington Campus, UK

Jackson Sanders

Texas A&M University, USA

Jorge Ramos Grez

Pontifical Catholic University of Chile, Chile

Surface quality and integrity of metal additive manufactured parts after post-processed by laser surface treatment

Alper BIDECI

Duzce University, Turkey

Properties of Polymer Coated Lightweight Aggregates

Dror Malka

Holon Institute of Technology, Israel

End of Day-3 Program