

NanoX 2026

Global Nanotechnology Network

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6TH GLOBAL CONFERENCE ON

ADVANCED NANOTECHNOLOGY AND NANOMATERIALS

OCTOBER 26-27, 2026 | AMSTERDAM, NETHERLANDS

Theme: "Nanotechnology for a Sustainable and Smart Future: Innovations Transforming Medicine, Energy, and Industry"

NanoX 2026

SUB THEMES

- Nanomedicine and Biotechnology: Revolutionizing Healthcare
- Beyond Graphene: The Next Generation of 2D Materials
- Self-Healing and Smart Nanomaterials for Future Technologies
- Frontiers in Nanoscience: Integrating Quantum, AI, and Emerging Nanotechnologies
- Sustainable Nanomaterials: Advanced Solutions for Industry and Environment
- Nanoelectronics and Quantum Technologies: Enabling the Next Digital Revolution
- Nanotechnology for Clean Energy and Sustainable Power Solutions
- Environmental Nanotechnology: Innovations for Water, Air, and Soil Remediation
- Nanotechnology in Food, Agriculture, and Smart Packaging
- Nanotechnology in Wearable and Flexible Electronics
- Nanorobotics and Intelligent Nanosystem

WHY TO ATTEND?

What you take

Attending a Nanotechnology and Nanomaterials conference provides a valuable opportunity to engage with leading experts, discover emerging trends, and gain insights into cutting-edge innovations. It also contributes significantly to professional growth by deepening technical knowledge, broadening skill sets, and fostering collaborations that drive career advancement.

125
+



**EDUCATIONAL
SESSIONS**

60
+



**INTERNATIONAL
SPEAKERS**

20
+



**HOURS OF
NETWORKING
EVENTS**

12
+



**INNOVATIVE
FEATURED SPEAKERS**

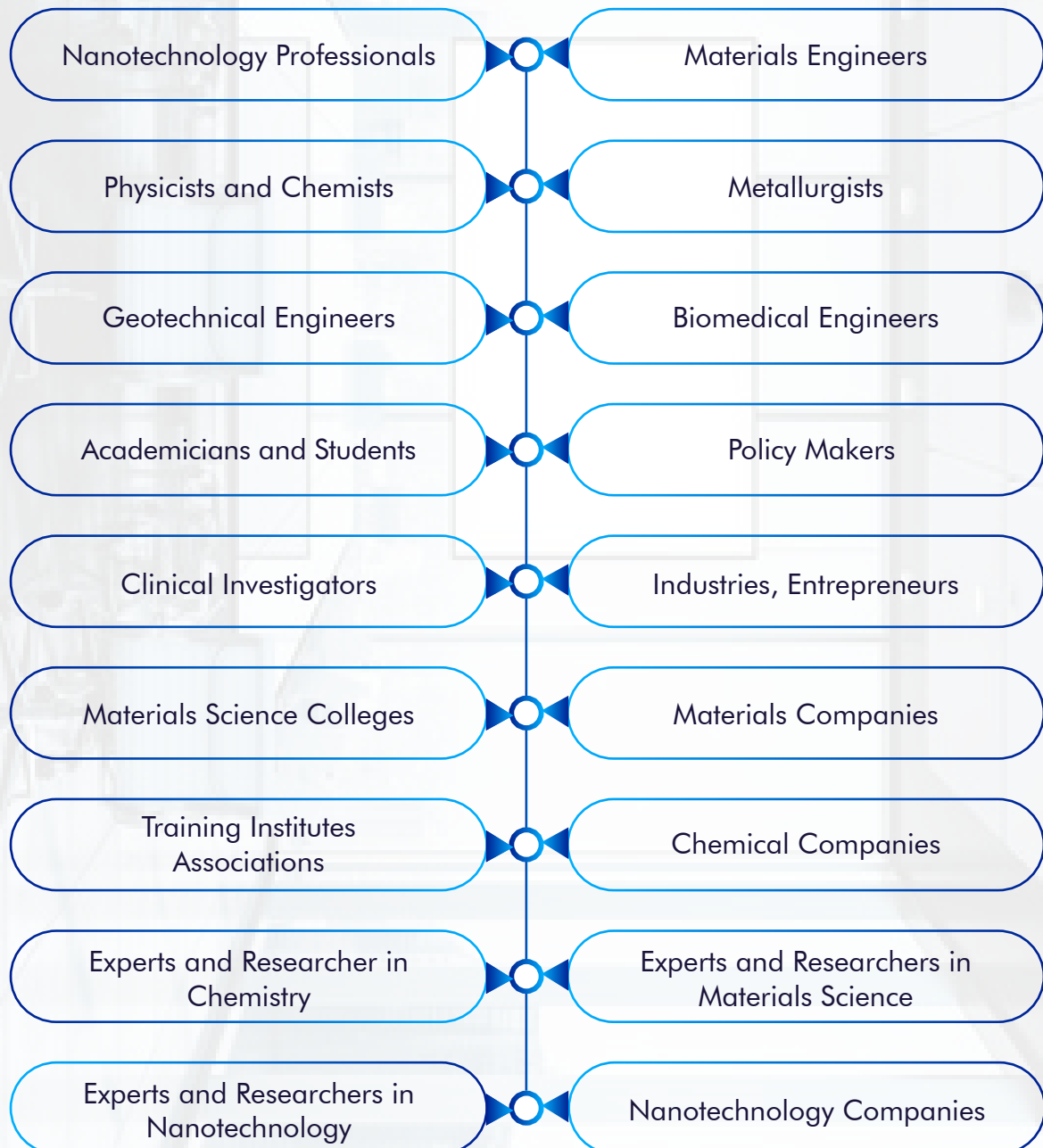
02



**02 Day
Conference**



WHO SHOULD ATTEND?





Distinguished Delegates and Esteemed Colleagues,

It is a great honor and pleasure to welcome you to the **6th Global Conference on Advanced Nanotechnology and Nanomaterials**, which will take place from October 26-27, 2026, in the dynamic city of **Amsterdam, Netherlands**.

This conference offers an outstanding platform to showcase cutting-edge research and innovations in one of the most transformative scientific fields of our time. It is the ideal opportunity for the international community to come together to exchange ideas, forge valuable collaborations, and network with leading experts in this field.

Nanotechnology and nanomaterials are not only a fascinating area of research but also a crucial driver of progress. Their enormous benefits extend across virtually every industry, contribute significantly to the protection of our planetary ecosystem, and open up promising career paths for scientists who engage with these technologies early on.

We are confident that this two-day scientific event will create a perfect synergy of knowledge and innovation. The program includes stimulating discussions and presentations by leading experts from around the world, as well as presentations of the latest research findings by young scientists.

We anticipate a diverse and engaged audience—including delegates, experts, students, researchers, professionals from the nanotechnology, chemical, and materials industries, policymakers, and healthcare professionals. Your active participation and contributions are key to the open and collaborative atmosphere we aim to foster.

Your presence and engagement will undoubtedly contribute to the outstanding success of this congress and advance all aspects of nanotechnology.

We look forward to welcoming you to Amsterdam and sharing two days of scientific inspiration and groundbreaking discussions.

Sincerely,
Anne Rosken
ANED – HSG – PCU, Germany



Dear Colleagues,

The **6th Global Conference on Advanced Nanotechnology and Nanomaterials October-26 to 27, 2026 Amsterdam, Netherlands** offers a superb opportunity to introduce cutting edge research and innovation to the global community. To meet and share ideas with experts in the field and possibly strike up valuable collaborations in this burgeoning field.

Nanotechnology/Nanomaterials offer huge benefits for almost every industry, and for the planet's ecosystem, and for the careers of scientists who become early adopters in this field.

I believe that this two-day scientific event, featuring discussions and presentations by world-leading experts, as well as showcasing the latest research by young scientists, will create an ideal blend of knowledge and innovation in the field of nanotechnology and nanomaterials.

I am confident that participants, including delegates, experts, students, researchers, professionals from nano, chemical, and materials industries, policymakers, and healthcare providers, will greatly benefit from the insightful discussions and interactions at this congress, which is designed to foster a warm and collaborative atmosphere.

Your active participation and contributions will undoubtedly contribute to the outstanding success of this congress in advancing all aspects of nanotechnology.

Best Regards,
Philip G. Penketh
Yale University School of Medicine, USA



Fernando Pinto Coelho
Federal University of Alagoas, Brazil



Dear Esteemed Guests,

We are delighted to welcome you to the **6th Euro-Global Summit on Advances in Nanotechnology, Smart Materials, Energy Materials, and Structures**, to be held on **October 26-27 2026**, in **Amsterdam, Netherlands**.

This premier congress offers a comprehensive platform to explore the pressing global challenges and emerging opportunities in nanotechnology—emphasizing the pivotal role of nanoscale science and innovation in overcoming material limitations, enhancing energy efficiency, reducing environmental impact, and driving sustainable technological advancement.

Over two dynamic days, world-renowned researchers, scientists, and industry pioneers will showcase cutting-edge developments in nanotechnology, smart materials, advanced energy systems, nano drug delivery, and sustainable structural design. Together, we will venture into new horizons of materials science and nanoscience, exploring everything from next-generation nanoscale substrates to transformative breakthroughs in energy generation, biomedical applications, resource optimization, and sustainable development.

The summit will unite a vibrant community of academics, students, research institutions, and industry leaders—all driven by a shared vision to accelerate nanotechnology-driven innovation, revolutionize industrial and biomedical applications, and foster economic, environmental, and social sustainability through nanoscale solutions.

We warmly invite scientists, engineers, researchers, and professionals from across the fields of materials science, nanotechnology, chemistry, biology, and renewable energy to join us in the magnificent city of Amsterdam. Together, let us exchange knowledge, spark collaboration, and inspire the breakthroughs that will shape a smarter, more sustainable future.

Welcome to Amsterdam—welcome to the frontier of nanotechnology and smart innovation!

Best Regards
Fernando Pinto Coelho
Federal University of Alagoas, Brazil



George Manginas

National Centre for Scientific Research Demokritos, Greece

Dear Esteemed Guests,

Welcome to the **6th Global Conference on Advanced Nanotechnology and Nanomaterials, October 26-27, 2026 in Amsterdam, Netherlands**

It is our distinct honor to welcome you to next year's **6th Global Conference on Advanced Nanotechnology and Nanomaterials in Amsterdam, Netherlands** — a premier gathering of scholars, researchers, and innovators dedicated to advancing the frontiers of nanoscale science and engineering.

As nanotechnology continues to redefine the boundaries of possibility, this conference serves as a vital platform for the exchange of knowledge across disciplines. We are proud to host a diverse array of sessions and symposia that reflect the breadth and depth of the field — from nanomedicine and targeted drug delivery, to nano-enabled energy systems, advanced materials, quantum devices, and environmental remediation technologies.

This year's program brings together leading voices from academia, industry, and government to explore the transformative potential of nanotechnology in addressing global challenges in healthcare, sustainable energy, electronics, and climate resilience.

We invite you to engage rigorously, collaborate openly, and contribute meaningfully to the dialogue that will shape the next generation of nanotechnological innovation.

Welcome to a conference where scale is small, but the impact is profound.

Best regards,

George Manginas

National Centre for Scientific Research Demokritos, Greece

PRESENTATION FORUM

01

KEYNOTE FORUM / MINI-PLenary SESSIONS

Presentations under Keynote Forum or Mini-Plenary Sessions includes abstracts with remarkable research value selected by the program committee. These significant speeches are delivered by globally recognized honorable speakers and it is open to all registrants.

DISTINGUISHED SPEAKERS FORUM (ORAL ABSTRACT SESSIONS)

In this forum, speakers and experts of the research field gets an opportunity to showcase their noble research work that involves comprehensive research findings. These formal oral presentations include a wide range of talks covering basic research to advanced research findings in accordance to the theme and scientific sessions of the conference.

02

03

STUDENT FORUM / POSTER SESSION

This session is particularly introduced to encourage more number of student participation at international conferences, however it is not restricted only to students since it is also available for the participants with language barrier. There are specific guidelines to be followed to prepare the poster. Poster topic should be selected only from relevant scientific sessions with in-depth technical details.

YOUNG INVESTIGATORS FORUM

An exclusive opportunity for students and young investigators to present their research work through a formal oral presentation. Young Investigators Forum provides a global platform for young researchers and scholars to showcase their valuable contribution to the scientific world and to get acknowledged by the global scientific community of experts. It is an excellent opportunity to recognize young scientific assets with promising research ideas. These oral presentations are of shorter time duration with 10-15 minutes of informative and precise presentations in relevant scientific sessions.

04

05

EDUCATIONAL WORKSHOPS/RESEARCH WORKSHOPS/ CORPORATE WORKSHOPS/MINI- SYMPOSIA

With an aim of transferring knowledge among the participants, workshops are introduced as a part of international conferences. These interactive and occasionally practical sessions gives an opportunity for participants to engage in detail discussion. Workshops are mostly scheduled for 60 to 90-minutes. It may range from learning about a specific topic relevant to international education, products and research which sometimes involves practical demonstration. It helps in enhancing skills, knowledge and understanding of the research field in depth through interactive discussions.

HIGHLIGHTS OF THE DAY SESSIONS

"Highlights of the Day Sessions" is introduced to discuss and focus a ray upon previous day ORAL ABSTRACT presentations by experts to summarise the key findings. It helps in getting better insights into the various dimensions of the topic.

06

07

MEET THE PROFESSOR @ NETWORKING SESSIONS

This session involves open discussion between the experts and session attendees, it gives enough time for getting answers to specific questions and doubts. It is an opportunity for attendees to increase their professional networking, sometimes also leads to an excellent collaboration opportunity.

EDUCATIONAL SESSIONS/ TRAINING PROGRAMS

Educational Sessions or training programs are specifically designed for a better understanding of the latest findings and technologies. These are generally 45-minute sessions that gives an exposure to the multidisciplinary field, that provides in-depth learning experiences and address educational needs.

08

ACADEMIC REGISTRATIONS

BUSINESS REGISTRATIONS

01

Speaker Registration

COMBO A

(Registration +
2 Night Accommodation)

COMBO B

(Registration +
3 Night Accommodation)

Delegate Registration

02

Speaker Registration

COMBO A

(Registration +
2 Night Accommodation)

COMBO B

(Registration +
3 Night Accommodation)

Delegate Registration

STUDENT REGISTRATIONS

ADDITIONAL REGISTRATIONS

Registration

YIF

COMBO A

(Registration +
2 Night Accommodation)

COMBO B

(Registration +
3 Night Accommodation)

Posters

Accompanying Person

E-Poster

Virtual Presentation

Workshops

Start-Ups

03

04



REGISTER

REGISTER & PARTICIPATE

NanoX 2026



CONCURRENT EDUCATIONAL SESSIONS



MONDAY - OCTOBER 26, 2026



- Nanoscience and Technology
- Novel Drug Delivery



- Nano Polymers, Nanotubes and Nano Porous Materials
- Nano Physics
- Nano Weapons

GROUP PHOTO | COFFEE BREAK



- Nano-Surgery
- Functional Nano Materials
- Graphene and Fullerenes



- Properties of Nanomaterials
- Materials Science and Engineering
- Nano Structures

LUNCH BREAK



- Nano Chemistry
- Molecular Nanotechnology
- Nanotechnology in Cancer Treatment



- Advancing Cellulose-based Nanotechnology
- Nano Mechanics
- Forensic Nanotechnology

GROUP PHOTO | COFFEE BREAK



- Nanotechnology and Energy
- Nanostructures and Nanofilms



- Nano Medicine
- 3D Printing
- Carbon Nanotubes



CONCURRENT EDUCATIONAL SESSIONS



TUESDAY - OCTOBER 27, 2026



- Fuel Cells
- Lipid Nanotechnology
- Nano Biotechnology



- Nano Pharmaceuticals
- Nano Polymers
- Nanotechnology in Tissue Engineering

GROUP PHOTO | COFFEE BREAK



- Nanotechnology in Urology
- Robotics
- Nanotoxicology



- Nanotribology
- Nano Products
- Commercialization of Nanotechnology

LUNCH BREAK



- Artificial Intelligence
- Nanobots



- Nanosensors
- Nanodentistry
- Self-healing materials

GROUP PHOTO | COFFEE BREAK



- Nanotechnology Materials Science
- Nanotechnology in Military Applications



- Fight Against Climate Change
- Nano and Big Data
- Nanographene
- Nano-systems



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NanoX
2026



OCTOBER 26-27, 2026
AMSTERDAM, NETHERLANDS

<https://www.nanotechconferences.com>

Featured Speakers

Mallesh Deshapaga

Synoptek LLC, USA

Salma Adam

University of Maryland School of Medicine, USA

Jabari Mahiri

University Of California Berkeley, USA

Sandesh Acharya

Ultieg Engineers Inc., USA

Kalyan C. Durbhakula

Ansys (Part of Synopsys), USA

Kunichi Miyazawa

Nano Alloy Technology Inc., Japan

Shuichi Fukuda

System Design and Management Research
Institute, Keio University, Japan

Tahir Raza

College of Intelligent Robotics and Advanced
Manufacturing, Fudan University, China

Takahiro Irie

Juntendo University Faculty of Medicine, Japan

Presentation Titles

AI in Returns and Reverse Logistics
Optimization (SCM) for sustainable
development

Between Bullets and Outbreaks: Epidemic
Control in Sudan's Forgotten War

Effective Preparation For Stem Learning In
Early Childhood

Multimodal Language Model (Mlm)
Optimization Algorithm Implementing
Digital Twin Power Grid

The Role of Computational
Electromagnetics for the Development of
Nanoelectronics

Gas Sensor Application Of Fullerene
Nanowhiskers

Spontaneous Robots and Enhancing Their
Empathy

Laser-Induced Functionalization of
Flexible Polyimide-Carbon Fiber for Real-
time Multimodal Physiological Monitoring
of Chronic Wounds

The methylation level of circulating tumor
DNA predicts prognosis for stage I-III
colorectal cancer



SPEAKER SLOTS AVAILABLE

Kiichi Sugimoto

Juntendo University Faculty of Medicine, Japan

Circulating-Tumor DNA Methylation is A biomarker of Poor Recurrence-free Survival in Locally Advanced Rectal Cancer

Matthew D. Ezema

Department of Chemistry, Carleton University, Canada

Food-derived antioxidant peptides undergo oxidative transformations that may alter their function and safety

Sahand Nikoo

Waterloo Collegiate Institute, Canada

TumourSense: A Nanostructured ITO Biosensor Integrated with Machine Learning for Low-Cost Cancer Screening

Khashayar Ghandi (Poster)

Department of Chemistry, University of Guelph, Canada

Metal Oxide and Metal Nanostructures in Health and Energy Industries

Eric Santiago Hernandez Bernal

Universidad de América, Colombia

Electrochemical Sculpting of Vanadium Oxides: The Role of Molybdenum in Structural and Corrosion Stability

Emmanuel Chinonye Mgbemene

Department of Environmental Engineering, Cyprus International University, Cyprus

Assessment of Reactive Surface Areas and Particle Sizes Configuration Profiling of Biomass Sample

Lucilene dos Santos

Department of Geology, Federal University of Ceará, Brazil

From Brazilian Natural Graphite to Graphene: Processing, Structure and Function

Thomas Mager

Fraunhofer Institute Electromechanical Design IEM, Germany

Circular Electronics Design Of Ict Devices On Aluminium Substrates In Mechatronics Integrated Devices Technology

Montserrat Govea Franco

School of Economics and Business Science, Universidad Panamericana, México

Green Finance And Decarbonization: A Bibliometric Analysis With A Latin American Perspective

João Pedro Bennett

Instituto de Matemática e Tecnologia, Brasil

Design and construction of a low-cost bomb disposal robot

José Luis Navarro Jiménez

Faculty of Chemistry, Autonomous University of Querétaro, México

From Urban Debris to Functional Nanomaterials: A Circular Economy Strategy Rooted in Regional Sustainability in Querétaro, Mexico.

Vladislav Sadykov

Boreskov Institute of catalysis, Russia

Design of Nanocomposite Materials for Advanced Energy Field



SPEAKER SLOTS AVAILABLE

Adeline Gabriela Silva Gil

Institute of Mathematical and Computer Sciences
- University of Sao Paulo, Brazil

Development of a sociotechnical system for discovering resources and practices in knowledge ecosystems: the case of the RedeProl platform as design-oriented research focused on promoting circular design

Omamah Ali

German Environment Agency, Section II 3.3,
Germany

Removal of perfluoroalkyl substances from drinking water with anion exchange resins and a divinylbenzene sorbent in column experiments

Nirmala Palayathan

Department of Anatomy, Perdana University,
Malaysia

Selenium Nanoparticles in Reproductive Medicine: Bridging Nanotechnology and Fertility Therapeutics

Ommolbanin Asad Pour

Department for Gastroenterology, Hepatology and Transplantation Medicine; University Hospital Essen (UK Essen); Essen; Germany

Combinational CSF1R/PD-L1 Targeting by BM-MSC-Derived Exosome- Liposome Hybrid Orchestrates Tumor-Associated Macrophage Phagocytosis in an In Vitro Tumor-Microenvironment-Dependent Manner

Kirill V. Pitelinsky

Moscow Polytechnic University, Russia

Digital Campus Twins: Concepts, Technologies, and Development Prospects

Ana Maria Fagetan

University of Rome "La Sapienza", Italy

Transposition And Implementation Of European Union Renewable Energy Legislation In France, Italy, And Germany: A Regulatory Perspective And A Comprehensive Analysis Of Opportunities And Challenges

Aimé Lay-Ekuakille

University of Salento, Dept of Innovation Engineering, Italy

Triggering the Effects of Nuclear Bio-Thermal Resonance for Diagnosis and Rehabilitation in Medical Robotics for Kinetic Therapy : A Molecular Nanotechnology Viewpoint

Samar Ghopry

Department of Physical Sciences, Jazan Univeristy, Saudi Arabia

Plasmonic Nanostructures Based on Metallic and Non-Metallic Materials for Materials for Localized Surface Plasmon Resonance Sensing Applications

Charlotte Christina (Charissa) Roossien

Engineering and Technology Institute Groningen (ENTEG), Department of Bio-inspired MEMS and Biomedical Devices, Netherlands

Toward Smart Orthopedic Implants: Integrating Continuous pH and H₂O₂ Sensing for infection and inflammation



SPEAKER SLOTS AVAILABLE

Hajar Alghamdi

Department of Pharmacy Practice, University of
Hafr Albatin, Saudi Arabia

**Carbon Quantum Dots as Fluorescent
Nanosensors for Determination of
Temozolomide in Pharmaceutical
Formulations**

Zahraa Saleh

Institut Européen des Membranes, Univ
Montpellier, France

**Defect-Engineered Hexagonal Boron
Nitride as a Dual-Action Orthopedic
Biomaterial for Simultaneous
Osteogenesis and Osteosarcoma Therapy**

Celia Sofia de Almeida Maia

Universidade da Beira Interior, Portugal

**Artificial Intelligence, BIM and Shape
Grammars in Nano-Responsive
Architectural Systems**

Tahira Hoke

Prince Sultan University, Saudi Arabia

**Human-Centered Nano-Ai: Integrating
Ethics, Emotional Intelligence, And
Sustainability Beyond Performance**

Mohammed Al Bahri

Department of Basic and Applied Sciences,
A'Sharqiyah University, Oman

**Engineering Thermally Stable Magnetic
Skyrmions for Future Nanoscale Data
Storage**

Mothusi Molebatsi

University of Botswana, Botswana

**Nanocellulose/MOF for the Removal of
Cu(II) from Aqueous Solution: Response
Surface Optimisation and Adsorption
Kinetics**

Narasimha Golla

Sri Venkateswara University, India

**Biosynthesis of Metallic Nanoparticles
(MNPs) and their Applications in
Agricultural and Environmental Sectors.**

Bhanu Ranjan

Department of Physics and Photonics Science,
National Institute of Technology Hamirpur (NIT
Hamirpur), India

**Pseudocapacitive Storage in Molybdenum
Oxynitride Nanostructures Reactively
Sputtered on Stainless-Steel Mesh
towards an All-Solid-State Flexible
Supercapacitor**

Sonika Kodan

Indian Institute of Technology Roorkee (IIT
Roorkee), India

**Heterointerface-Induced Charge Transfer
Kinetics in Sputtered MoTe₂-MoS₂
Nanocomposite for High-Performance
Ambient NO₂ Detection**

Mohammad Abrar War

Department of Physics, National Institute of
Technology Srinagar, India

**Electrochemical Behaviour and Bandgap
Engineering of Microwave-Assisted
Mn-Doped V₂O₅ Nanorods for High-
Performance Supercapacitors**

Aabid Hussain Shaik

Vellore Institute of Technology Vellore, India

**Copper-Graphene hybrid nanofluids for
enhancing the heat transfer performance
of double pipe heat exchanger**



SPEAKER SLOTS AVAILABLE

Hanmant M. Kasralikar

Department of chemistry, India

Synthesis of Bis-Pyrazole Derivatives using Highly Efficient Cu-NP/C-Nanoparticles Catalyst and Docking Study as Anti-Cancer Agents

Demet Özocaklı

Gaziantep University, TÜRKİYE

Can Artificial Intelligence Drive Sustainable Growth? Empirical Evidence on the AI-Energy-Growth Nexus in Advanced Economies

D. S. Raghav

MJP Rohilkhand University, India

The Effect Of Pr Doping And Sintering Temperature On The Structural, Magnetic And Transport Properties Of La_{1-X}-Yprycaxmno₃ (Y = 0.30, 0.35, 0.40; X = 0.40) Nanocrystals

Ashu Kumar

Department of Mechanical Engineering,
University of Petroleum and Energy Studies, India

Parametric investigation into friction crush welding of dissimilar aluminium 5052 and magnesium AZ31 joint with zinc interlayer

Dinah Ann Varughese

Dayananda Sagar University, India

Optimization Strategies and Algorithms for Accelerating CNN on FPGA

Bashir Ahmad Dar

Department of Chemistry, Government Degree College Uri, India

Reusable Clay-Cu Nano Catalysts: Green Routes To Key Organic Transformations

Azeez Abdullah Barzinjy

Department of Physics, Soran University, Iraq

Plant-Derived Nanomaterials for Sustainable Energy and Environmental Engineering

Tayser Sumer Gaazt

Al-Mustaqbal University, Iraq

Removal Of Mercury Hg(II) From Industrial Wastewater By Formation Of TiO₂@Ag/Hnt Nanocomposite Using Bio-Microwaved Synthesized TiO₂@Ag Nps (Core Shell)

Nipun Neil

Vikram Sarabhai Space Center, India

Effect of WEDM parameters on pore morphology of nickel wick for thermal management application

Vaishali Verma

Dayananda Sagar University, India

Breast Cancer Classification Using CNN-DenseNet Hybrid Model with LIME-based Explainability

Ilknur Atli

Department of Bioengineering, Çanakkale Onsekiz Mart University, Türkiye

Development of Colon-Targeted Fe₃O₄-Loaded Alginate Hydrogel Beads Containing Brassica oleracea L. Extract and 5-Fluorouracil for Enhanced Anticancer Activity



SPEAKER SLOTS AVAILABLE

Alanur Çiftçi Şişman

Department of Oral and Maxillofacial Surgery,
University of Health Sciences, Türkiye

Artificial Intelligence-Based Chatbot Assistance In Clinical Decision-Making For Medically Complex Patients In Oral Surgery: A Comparative Study

Aarti R. Tayde

Institute of Science, India

Grouped Photon Quantum Key Distribution: An Improvised BB84 Protocol

K. Tamilselvan

Indian Institute of Information Technology, India

A Picture Fuzzy Logic-Based Weighting Framework for Robust GNSS/INS Integration in Urban Environments

Dr. Vijay Sampat Mohite

Savitribai Phule Pune University, India

First-Principles and Experimental Study on Structural, Electronic and Optical Properties of TiO₂

Safi Abbas

Department of Biosciences, India

Nano-Biofortification of Vigna radiata Through Biogenic Selenium Nanoparticles: Insight into Nutrient Transport and Antioxidant Modulation

Mehar Fatma

Aligarh Muslim University, India

Nano-Biofortification of Vigna radiata Through Biogenic Selenium Nanoparticles: Insight into Nutrient Transport and Antioxidant Modulation

Runjun Sarma

Haflong Government College, India

Bio-Inspired Surface Coating for Enhancing Photocatalytic Performance of Iron Oxide Nanoparticles

Yukti Verma

ICAR-IIHR, Hesaraghatta Lake Post, India

Nanoparticle-Mediated Modulation of Growth and Metabolic Traits in Nanasaheb Purple Grapes Using Green-Synthesized Micronutrients Nanoparticles

Renu Kathpalia

University of Delhi, India

Critical Perspectives on Green Nanotechnology for Antimicrobial Applications

Inderdeep Kaur

University of Delhi, India

Role Of Nanotechnology In Age-Related Disorder Healthcare

Polisetty Sri Ram Chandra

Department of Computer Science and Engineering, ADITYA University, India

Leveraging Federated Learning for Real-Time Disaster Response Optimization in Smart Cities Using Multi-modal Sensor Data

Korrapati Narasimhulu

National Institute Of Technology Warangal, India

Green Synthesis Of Silver Nanoparticles Using Annona Muricata Leaf Extract: Characterization And In Vitro Anticancer, Antioxidant, And Antidiabetic Activities



SPEAKER SLOTS AVAILABLE

Shivangi Mishra J

Department of Mathematics, Vel Tech Rangarajan
Dr. Sagunthala R & D Institute of Science and
Technology, India

**Neutrosophic Graph Neural Networks
For Advanced Risk Prediction Of Disease
Transmission In Healthcare Systems**

Dr Mini Mathew

Amal Jyothi College Of Engineering, India

**Artificial Aggregates From M-Sand Dust,
Fly Ash, Red Mud And Rice Husk Ash By
Geopolymerization.**

Himabindu Mukthipudi

Central University of Kashmir, India

**Addressing digital inequalities through
inclusive cybersecurity frameworks**

Kaushik Sekaran

Amity School of Engineering & Technology, Amity
University, India

**PlantGuard AI: An IoT and Deep Learning-
Based Framework for Smart Plant Disease
Detection**

Keerthana J

GSSS Institute of Engineering and Technology for
Women, India

**Design, Development and Performance
Analysis of 1×4 Circular Microstrip Patch
Antenna Array**

M.Kamaraju

Department of ECE, Seshadri Rao Gudlavalleru
Engineering College, India

**Neuro-Adaptive Vector Median Filtering
Framework for High-Performance FPGA-
Based Image Enhancement**

Avinash Kumar Singh

Department of Civil Engineering, Indian Institute
of Technology (Indian School of Mines), India

**Copper Slag-Based Hybrid Geopolymer
for Sandy Soil Stabilization: Mechanical
Performance and Life Cycle Assessment**

Rohit K. Ramakrishnan

Indian Institute Of Science, India

**From Nanophotonics To Near-Earth
Orbit: Building The Physical Layer Of The
Quantum Internet**

Mayank Dutt Kaushik

Institute- School of Arts and Aesthetics,
Jawaharlal Nehru University, India

**WHEN THE FRAME BECOMES THE
LAW: AI, VISUAL GRAMMAR AND THE
GOVERNANCE OF THE IMAGE IN SOUTH
ASIA**

Atul Lal Shrivastava

Madan Mohan Malaviya University of
Technology, INDIA

**BA-FLF: blockchain-assisted federated
learning framework for secure and
privacy-preserving agricultural IoT
systems**

Sanasam Bimol

Kamakhya Pemton College, India

**Artificial Intelligence Adoption Framework
for Higher Education in Small States of
India: A Context-Sensitive Conceptual
Model**



SPEAKER SLOTS AVAILABLE

Patrick Yumnam

Kamakhya Pemton College, India

Integrating Computational Physics and Artificial Intelligence: Emerging Paradigms, Applications, and Future Directions

Reetesh Kumar

Department of Biotechnology & Bioengineering,
Galgotias University, INDIA

Precision Vaccine Design Targeting The Prefusion State Of Viral Glycoproteins: Advances In Structural Vaccinology

Annasaheb V. Moholkar

Department of Physics, Shivaji University, India

Advancing Electrochemical Energy Conversion: Precision Engineering Of Metal Oxide And Hydroxide Nanostructures Via Hydrothermal Synthesis

Raj Kumar Gupta

Sardar Vallabhbhai Patel College, A Constituent Unit of Veer Kunwar Singh University, India

Enhancement of dielectric, flexibility, and thermal stability of barium titanate (BaTiO₃) inbuilt polyethylene terephthalate

Ashwini Anshu

Indian Institute of Science, India

Au/Co nanospheres Integrated into an N-doped graphitic framework for Zn–Air Batteries

Rupali Ghosh

Department of Biotechnology, School of Chemical and Life Sciences, India

Nanoemulsion-Based Delivery of Pumpkin Seed Oil Reprograms the Tumour Secretome and Microenvironment to Enhance Anticancer Efficacy in Prostate Cancer

Swarnajit Bhattacharya

Dept. of Electrical and Computer Science Engineering (EECS), National Yang Ming Chiao Tung University (NYCU), Taiwan

Decentralized Swarm Aware Internet of Things (IOT) protocol for real time crop quality prediction by Intelligent Autonomous Mobile Robots (IAMRs)

Shafee Ur Rehman

Faculty of Medicine, Ala-Too International University, Kyrgyzstan

Artificial Intelligence-Driven Multi-Omics Metabolic Profiling for Early Biomarker Discovery in Cancer, Neurodegenerative Disorders, and Diabetes

Kongaha Waththage Dilan sanjeewa

Road Development Authority, Sri Lanka

Weathering-Induced Mineralogical Changes in Sri Lankan Hilly Terrain: Implications for Slope Stability and Sustainable Land Use

Mehrali Qasimi

Department of Database & Information system, Badakhshan University, Afghanistan

Brain Tumor Detection with Transfer Learning Models Based on Attention Modules



SPEAKER SLOTS AVAILABLE

Tasnim Al Dabbas

Institute of Nanotechnology, Jordan University of Science and Technology, Jordan

Nanofluidic Hydrogel Delivery Comsol Modelling Scaffold For Spinal Cord Tissue Regeneration

Irun Jamil

Department of Chemistry, University of Wah, Pakistan

Sustainable Photocatalytic Degradation of Imidacloprid using a Ferrite-based Tungstate Nanocomposite for Environmental Remediation

Shahid Ali

Department of Physics, University of Peshawar, Pakistan

BNT/PVDF Fibers for Next-Generation Flexible Piezoelectric Energy Harvesting Devices

Nahayo Pierre Claver

GIZ – Circular Economy Advisor; EAC4 Nature and TAKIWAMA Projects, Burundi

Waste-To-Energy Conversion in the City of Bukavu According to the Principles of the Circular Economy

Ziningi R. Myeni

Durban University of Technology, South Africa

Enzymatic Hydrolysis Of Pretreated Hemp Hurds Using Cellulase From Trichoderma Reesei Immobilised On Amine-Functionalised Magnetic Nanoparticles

Nkoana Ishmael Mongalo

College of Agriculture and Environmental Sciences Laboratories, University of South Africa, South Africa

Antimicrobial, Antioxidant, Anticancer, And Phytochemical Analysis Of South African Medicinal Plants Collected From The Senwabarwana Area, Limpopo Province

Mr. Seke Vangu Max

Department of Physics and Technology, University of Kinshasa, Democratic Republic of Congo

Impact Of Calcination Temperature On Particle Size Distribution Of Clays: A Comparative Analysis Using Rosin-Rammler, Lognormal, And Swebrec Models For Cement Production Optimization

Omar Boualam

Sidi Mohamed Ben Abdellah University, Morocco

Catalytic Oxidation of Aromatic Pollutants Using Modified Clay: Environmental Impact and By-Product Monitoring

Hajar El Yassini

Ibn Tofail University, Morocco

Thermal Transfer Numerical Analysis Of Lithium-Ion Battery With Air-Forced And Direct Liquid Cooling

FATIMA - ZAHRA FANDI

University Hassan II, Morocco

Quantitative Evaluation Of Pixel-Attribution Explainability For Deep Learning-Based Plant Disease Imaging



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Ennabely Mohamed

Bio-Geosciences and Materials Engineering
Laboratory, Hassan II University of Casablanca,
Morocco

**Electrolyte Effect on the Performance
of Carbon Supercapacitor Electrodes
Derived from Moroccan Argan Waste**

Josue Simbo

Department of Soil, Jomo Kenyatta University of
Agriculture and Technology, Kenya

**Modeling Land Management Impacts:
Asymmetric Reductions of Sediment and
Phosphorus Versus Legacy Nitrogen in the
Enkare Narok Catchment in Kenya**

Genet Tsegaye

Addis Ababa Institute of Technology, Addis
Ababa University, Ethiopia

**Magnetite-based pumice silica
nanocomposite for lead adsorption from
aqueous solution: The green synthesis
approach**

Raufu Khairat Adedoyin

Ladoke Akintola University of Technology
Ogbomoso, Nigeria

**Assessment of Nanotechnology
Applications for Enhancing Indoor Air
Quality in Residential Interiors**

Kevin Kendall

HydrogenUnited.org, UK

Newton's Nanoparticles

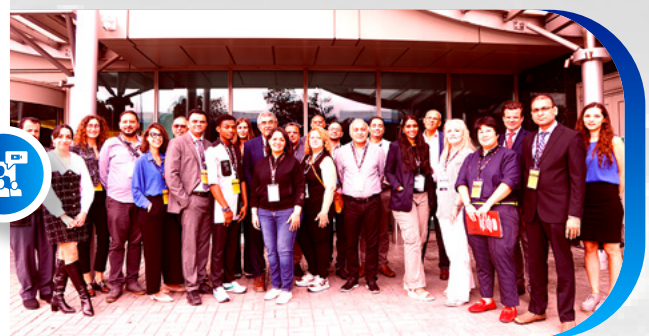


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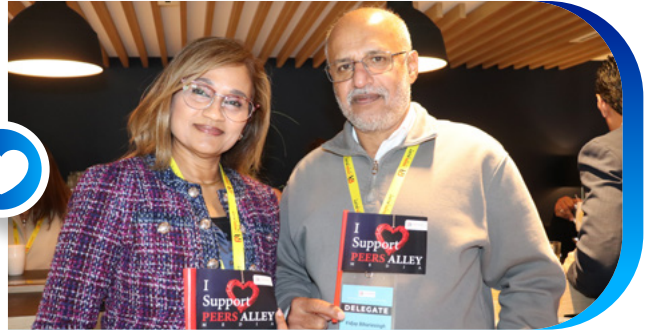
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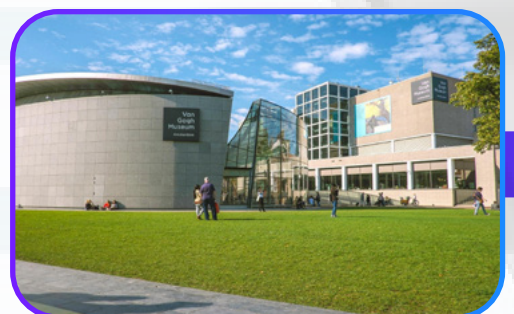
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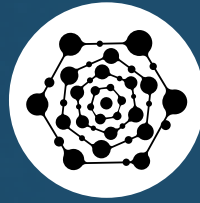


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