



NanoX 2026

Global Nanotechnology Network

701 West Georgia Street, Suite 1500,
Vancouver, V7Y 1C6, Canada

WhatsApp No: +1 506 909 0537



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

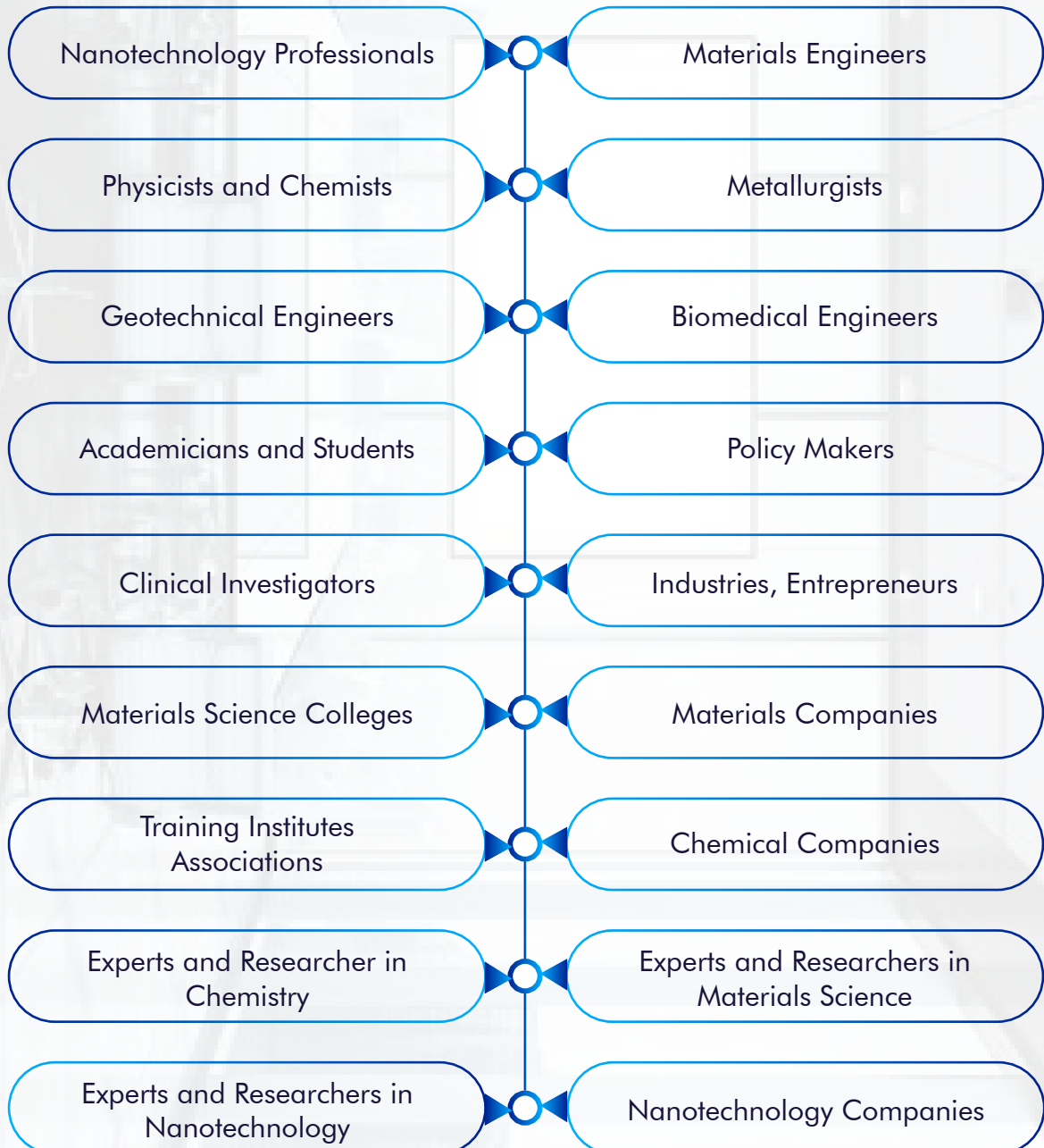
02



02 Day
Conference



WHO SHOULD ATTEND?





Anne Rosken
ANED – HSG – PCU, Germany



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



Philip G. Penketh
Yale University School of Medicine, USA



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 & 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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AND NANOMATERIALS

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AMSTERDAM, NETHERLANDS

<https://www.nanotechconferences.com>

Featured Speakers

Presentation Titles

Kevin Kendall

HydrogenUnited.org, UK

Newton's Nanoparticles

Gene Eidelman

Azure Printed Homes, Inc, USA

Sustainable Construction Through
Advanced 3D Printing Using Recycled
Polymers

Joshua Island

University of Nevada Las Vegas, USA

Gating monolayer and bilayer graphene
with a two-dimensional semiconductor

Dener da Silva Souza

UNESP - São Paulo State University, Brazil

Recycling of Post-Consumer Silica
Gel Desiccants as Reinforcing Filler in
Natural Rubber Composites: The Effect
of Coupling Agents and Comparison with
Commercial Silicas

Mohammad Ghafari

Centro de Desenvolvimento da Tecnologia
Nuclear, Brazil

Relations between magnetic hyperfine
interactions, indistinguishability principle
and exchange integral

Jabari Mahiri

University of California Berkeley, Chicago

Effective Preparation for STEM Learning in
Early Childhood

Dibin Mary George

University of Puerto Rico at Mayaguez, USA

Tunable Materials for Reconfigurable
Antenna Systems

Steve Damelin

FIZ Karlsruhe – Leibniz Institute, USA

On the integration of optimal transport and
nanotechnology

João Pedro Amaro Bennett da Silva

Instituto de Matemática e Tecnologia, Brazil

Design and construction of a low-cost
bomb disposal robot

Md Aaur Rahman

Eastern Michigan University, Michigan, USA

Nano-Engineered TiO₂-NiFeC PEM
Microbial Electrolyzer Optimized by AI for
In-Situ Hydrogen Production from POME



SPEAKER SLOTS AVAILABLE

Vijay Gurav

Dibrugarh University, USA

Agentic AI in Smart Manufacturing for Productivity Enhancement

Karishma Vivek Kathpalia

University of Glasgow, UK

Optimized fungal chitosan-based pegasparaginase immobilization for intravenous delivery to enhance treatment of acute lymphoblastic leukaemia

Papa Pio Ascona García

Universidad Universidad Nacional Intercultural
Fabiola Salzar Leguía de Bagua, Peru

Applications of Jetson Nano in engineering: a systematic review

Nahid Derikvand

Islamic Azad University

Beneficial effects of photobiomodulation therapy on xerostomia: a systematic review and meta-analysis

Fulbert Milrich Kiminou Nsimba

Near East University, Turkey

Newton's Nanoparticles

Lovely Ranjta

Gruner India Pvt. Ltd., Haridwar (Uttarakhand)
India

Enhanced Ion Transport and Dielectric Properties of BiBaFeO₃-Doped PVA-NH₂CH₂COO Gel Polymer Electrolytes for Energy Storage Devices

Chung Yuan Kung

National Chung Hsing University, Taiwan

From the two-dimensional geometry of Penrose tiling to the physical problems of three-dimensional quasicrystals

Binaya Kumar Parida

Coromandel International Ltd, India

Nano DAP augments productivity, phosphorus use efficiency, and profitability of Spring Wheat in India

Wilson Hou-Sheng Huang

Chung Hua University, Taiwan

Development of Flexible One-Dimensional Carbon Fiber Electrodes via Hydrothermal Recrystallization for High-Performance Fiber-Type Supercapacitors

Sanjay Kumar S M

SJB Institute of Technology, India

Effect of nano fillers on Arecanut/Jute fibres for Industrial applications

Gamze Camlik

Biruni University, Turkey

Quantum Drugs: Drugs Reborn as Carbon Quantum Dots

Fred Lisdat

University of Hamburg, Germany

Strategies for turning photoelectroanalytical systems towards biological applications

Kunichi Miyazawa

Nano Alloy Technology Inc, Japan

Gas Sensor Application of Fullerene Nanowhiskers



SPEAKER SLOTS AVAILABLE

Nipun Neil

Vikram Sarabhai Space Center, India

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

Dinah Ann Varughese

Dayananda Sagar University, India

Optimization Strategies and Algorithms for Accelerating CNN on FPGA

Mini Mathew

Amal Jyothi College of Engineering, India

Artificial Aggregates from M-sand Dust, Fly Ash, Red Mud and Rice Husk Ash by Geopolymerization.

Chandrima Mondal

Jadavpur University, India

TCAD Modeling of 1-Monolayer MoS₂-Gated GaN HEMTs: Enhanced Threshold Stability, Leakage Suppression, and Breakdown Performance

Norhayati Abdullah

Universiti Malaysia Pahang Al-Sultan Abdullah, Malaysia

Nano-Engineered Functional Polymer Materials for Environmental and Biomedical Applications

Azunna Sunday Ugochukwu

University Putra Malaysia, Malaysia

Review on the durability characteristics of rubberized geopolymer concrete

Renuka Arjunan

Anurag University, India

Ree-Eyring fluid flow of Cu-water nanofluid between infinite spinning disks with an effect of thermal radiation

Pooja Ahuja

National Forensic Sciences University, India

ZnO Quantum Dots as Fluorescent Nanomarkers for Enhanced Gunshot Residue Visualization

Francesco Garibaldo

Istituto per il Lavoro, Italy

Artificial Intelligence and the medical profession

Gökçe Karaotmarlı Güven

Biruni University, Turkey

Development and Characterization of Metformin-Derived Carbon Quantum Dot-Loaded Patch Systems for Wound Healing Applications

Elmlouky Abderrahmane

University Chouaib Doukkali, Morocco

Advancements in device modelling and impedance analysis of a high performance disilicide (FeSi₂)-based perovskite solar cell

Malgorzata Obrycka

University Of Gdansk, Poland

The ethical dimension of advanced measurement technologies in educational sciences: focus on eyetracking and biosensors



SPEAKER SLOTS AVAILABLE

M.Ramakrishna N.Rao

Krishna University, India

Influence of dispersion of Dy³⁺-Doped Phosphor Nanoparticles in Liquid Crystals: Tailoring Material Properties for Tunable Microwave Devices

Marc Jean Médard Abadie

University of Montpellier, France

Nano-Composites in rCraft Manufacturing: Why They Don't Replace Composites - and Why They Still Matter

Hetavi Mehta

Dwarkadas J. Sanghvi College of Engineering, India

Enhancing Feature Selection Using Multi-objective Optimization Concept

M. E. Belghiti

Hassan II University of Casablanca, Morocco

In silico identification of quinazoline-based EGFR inhibitors by integrated 3D-QSAR, docking, ADMET, and molecular dynamics approaches

Sushma Jaiswal

Guru Ghasidas Central University, India

4D-Printed Magneto-Piezoelectric Nanocomposite Scaffolds for Programmed Segmental Bone Repair

Berhane Ghebrehiwet

Renaissance School of Medicine at Stony Brook University, USA

Evidence that gC1qR is a potential target for therapy against breast cancer

Samar Monajemi

Babol University of Medical Sciences

Hydrogel-based delivery of cytokines in cancer immunotherapy: Latest evidence and therapeutic outcome

Kumar Saurabh

Independent Researcher, India

Artificial Intelligence for Intelligent Decision-Making in Modern Systems

Sushma Jaiswal

Guru Ghasidas Central University, India

4D-Printed Magneto-Piezoelectric Nanocomposite Scaffolds for Programmed Segmental Bone Repair



SPEAKER SLOTS AVAILABLE

GLIMPSES INTO OUR PAST CONFERENCES



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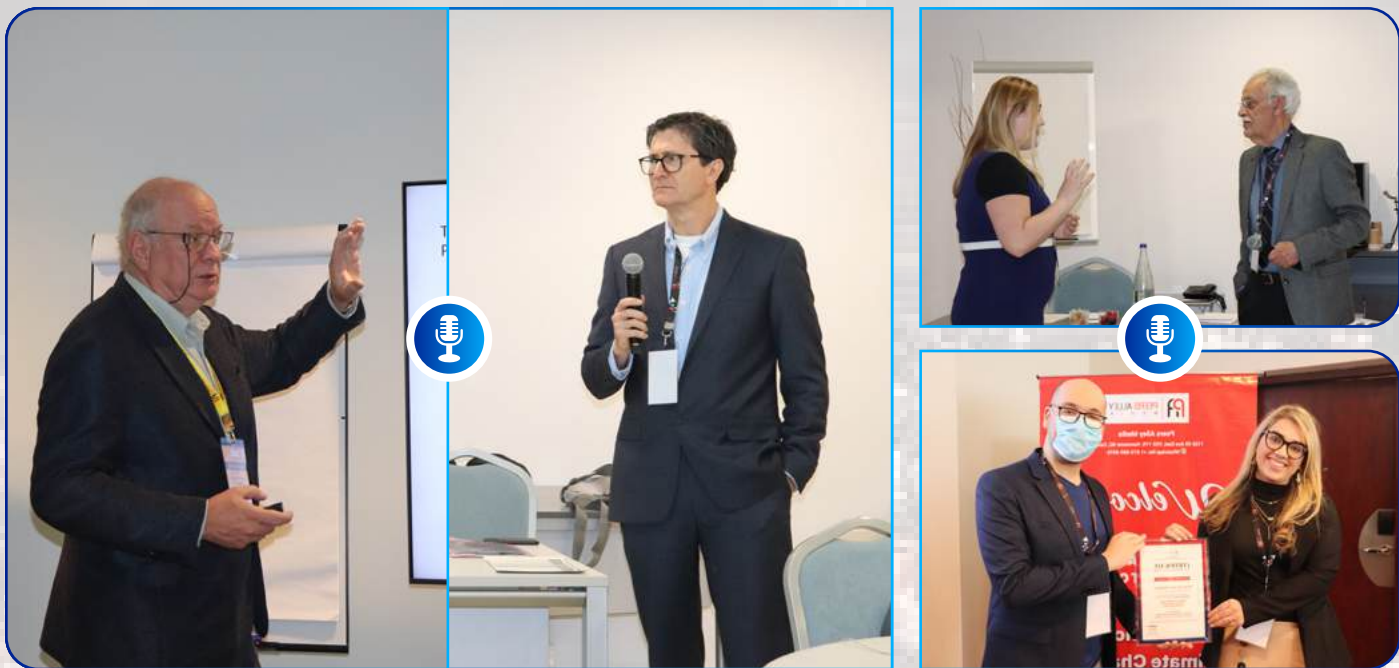




HONORING DISTINGUISHED SPEAKERS @ OUR PAST CONFERENCES



MEET THE PROFESSOR SESSIONS @ OUR PAST CONFERENCES



YOUNG RESEARCHER SESSIONS

@ OUR PAST CONFERENCES



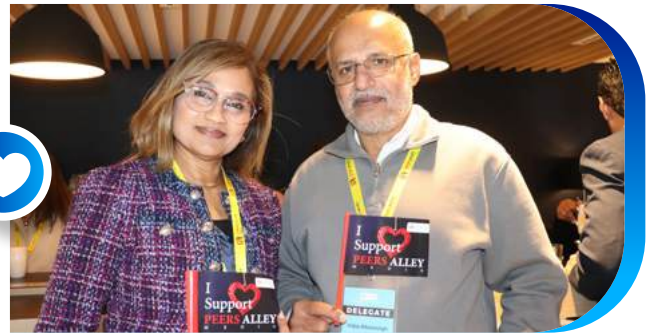
BOOK LAUNCHES

@ OUR PAST CONFERENCES



WE LOVE & SUPPORT

NANOTECHNOLOGY CONFERENCES



NETWORKING... CONFERENCING... FOSTERING

Attending a Conference isn't all about Learning and Networking

DISCOVERING

A right choice of conference destination is an important aspect of any international conference and keeping that in consideration, **NanoX 2026** is scheduled in the Beautiful city 'AMSTERDAM'.

AMSTERDAM

Amsterdam holds status as one of Europe's most dynamic, diverse, and globally connected cities. Known for its strength in commerce, finance, technology, education, culture, transportation, and sustainable urban innovation, Amsterdam consistently ranks among the most influential economic and cultural hubs in Europe. Arts, business, scientific research, higher education, creative industries, tourism, and international trade are all deeply shaped by the city's global outlook and progressive character.

In terms of economic performance, Amsterdam's metropolitan region is one of the largest and most competitive in Europe, contributing significantly to the national GDP of the Netherlands. It is a leading international financial center and a prominent base for multinational corporations and startups alike. The city is home to Euronext Amsterdam, one of Europe's key stock exchanges, and plays a central role in global trade and logistics through the nearby Port of Amsterdam and its strategic location within the Randstad region.

Amsterdam is also recognized as a major center for innovation, digital technology, and sustainability, attracting global investment and entrepreneurial talent. Amsterdam Airport Schiphol is among Europe's busiest airports, serving as a vital hub for international connectivity and commerce.



Amsterdam Central Station



Anne Frank House



Herengracht



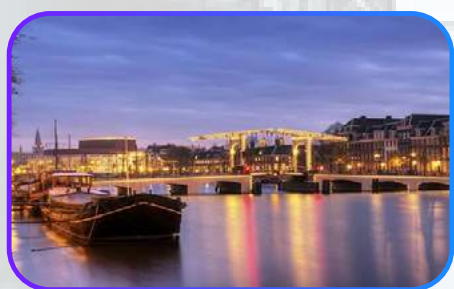
Rijksmuseum



Van Gogh Museum

MUST-SEE DESTINATIONS IN

AMSTERDAM



Skinny Bridge



Amstel River



Jordaan



Westerkerk



Amsterdam Canal
Ring



Homomonument



Zaanse Schans

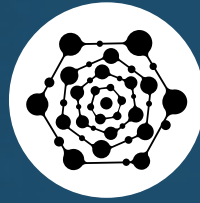


Amsterdam Red Light
District



H'ART Museum

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WhatsApp No: +1 (506) 909-0537

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