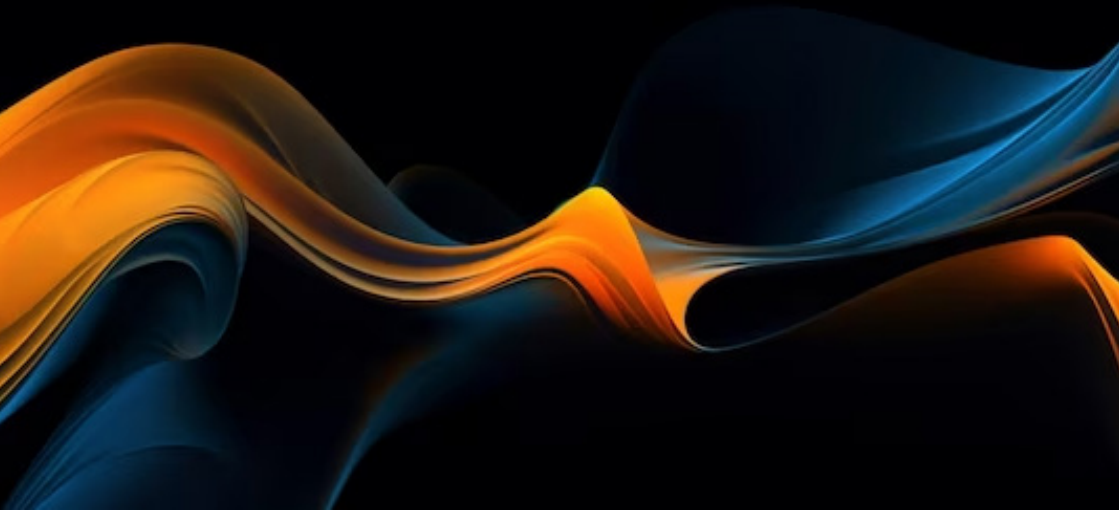




IN-PERSON CONFERENCE

PROGRAM- AT-A-GLANCE



Peers Alley Media

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

WhatsApp No: +1 506 909 0537



Peers Alley Media

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

 WhatsApp No: +1 (506) 909-0537

SCIENTIFIC PROGRAM

JOINT EVENT

ADVANCED NANOTECHNOLOGY AND NANOMATERIALS & RENEWABLE ENERGY, SMART SYSTEMS, AND SUSTAINABLE POWER TECHNOLOGIES

OCTOBER 26-27, 2026 | AMSTERDAM, NETHERLANDS

SCIENTIFIC PROGRAM

DAY 01
MONDAY

OCTOBER 26, 2026

08:00-08:30	Registrations
08:30-08:40	Inaugural Ceremony
Chair & Moderator	Khashayar Ghandi , <i>University of Guelph, Canada</i>
Topics: Nanoscience and Technology Nano Structures Nano Medicine 3D Printing Fuel Cells Nano Biotechnology Robotics Artificial Intelligence Renewable Energy Systems Bioenergy and Biomass Smart Grids and Power Systems Advanced Battery Technologies Circular Economy Hydro Power Wind Energy and Wind Technologies	
Distinguished Speaker Talks	
Session Chair	Thomas L. Brewer , <i>Georgetown University School of Business, USA</i>
Session Chair	Aimé Lay-Ekuakille , <i>University of Salento, Italy</i>
08:40-09:00	Title: On the Feasibility of FUSION Energy Jan Weiland , <i>Lehigh University, USA</i>
09:00-09:20	Title : The Implications for Sustainable Energies of the New International Trade System Thomas L. Brewer , <i>Georgetown University School of Business, USA</i>
09:20-09:40	Title: Metal Oxide and Metal Nanostructures in Health and Energy Industries Khashayar Ghandi , <i>University of Guelph, Canada</i>
09:40-10:00	Title: Strategies for Turning Photoelectroanalytical Systems towards Biological Applications Fred Lisdat , <i>Technical University of Wildau, Germany</i>

10:00-10:20	Title: Big Data Analytics in Healthcare: Challenges and Advancements Fulbert Milrich Kiminou Nsimba, <i>Near East University, Türkiye</i>
GROUP PHOTO 10:20-10:30	
REFRESHMENT BREAK 10:30-10:50	
10:50-11:10	Title: Circulating-Tumor DNA Methylation is a Biomarker of Poor Recurrence-Free Survival in Locally Advanced Rectal Cancer Kiichi Sugimoto, <i>Juntendo University, Japan</i>
11:10-11:30	Title: Triggering the Effects of Nuclear Bio-Thermal Resonance for Diagnosis and Rehabilitation in Medical Robotics for Kinetic Therapy: A Molecular Nanotechnology Viewpoint Aimé Lay-Ekuakille, <i>University of Salento, Italy</i>
11:30-12:00	Title: A Methodology for the Modeling, Analysis, and Optimization of HAWT Blades Mario Emilio Guevara Sotelo, <i>CONNENSYS, Mexico</i> Juan Andrés Rivera Santana, <i>CETYS, Mexico</i>
12:00-12:20	Title: Low-Molecular-Weight Sulfated Chitosan Microparticles Efficiently Bind HIV-1 <i>in vitro</i>: Potential for Microbicide Applications Sergio A. Bucarey Vivanco, <i>Universidad de Chile, Chile</i>
12:20-12:40	Title: AI-Enabled Mobile Recovery Systems for Sustainable Urban Transformation: Opportunities and Challenges for Circular Construction Waste Management M. Mustafa Erdoğan, <i>Beykoz University, Türkiye</i>
12:40-13:00	Title: Plasma Techniques for Nanostructured Polymeric Surfaces Claudia Riccardi, <i>University of Milano-Bicocca, Italy</i>
GROUP PHOTO 13:00-13:10	
LUNCH BREAK 13:10-13:50	

13:50-14:10	Title: 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 Ana Maria Fagetan, <i>University of Rome “La Sapienza”, Italy</i>
14:10-14:30	Title: Digital Printing: A Sustainable Method for Innovative Thinking in the Fashion Industry G. Krishnaraj, <i>National Institute of Fashion Technology, Chennai, India</i>
14:30-14:50	Title: Critical Perspectives on Green Nanotechnology for Antimicrobial Applications Renu Kathpalia, <i>Kirori Mal College, University of Delhi India</i>
14:50-15:10	Title: Nanotechnology in Cosmetic Formulations: The Role and Potential of Nanoemulsion-Based Delivery Systems Selma Erat, <i>Mersin University, Türkiye</i>
15:10-15:30	Title: Toward Smart Orthopedic Implants: Integrating Continuous pH and H₂O₂ Sensing for Infection and Inflammation Charlotte Christina (Charissa) Roossien, <i>Engineering and Technology Institute Groningen (ENTEG), The Netherlands</i>
15:30-15:50	Title: Combinational CSFIR/PD-L1 Targeting by BM- MSC-Derived Exosome–Liposome Hybrid Orchestrates Tumor-Associated Macrophage Phagocytosis in an <i>in vitro</i> Tumor-Microenvironment-Dependent Manner Ommolbanin Asad Pour, <i>Essen University Hospital, Germany</i>
15:50-16:10	Title: Self-Rotational and Brownian Motion of Water Droplet During Condensation on Organic Phase Changing Material Below Melting Point Ramchandra Narhe, <i>Fergusson College (Autonomous), Pune, India</i>

REFRESHMENT BREAK 16:10-16:25

16:25-16:45

Title: Role of Nanotechnology in Age-Related Disorder Healthcare

Inderdeep Kaur(Retd), *Sri Guru Tegh Bahadur Khalsa College, University of Delhi, India*

16:45-17:05

Title: Geospatial Analysis and Development of Biomass-Fuelled Integrated CHP Systems in Nigeria

Tobinson Alasin Briggs, *University of Port Harcourt, Nigeria*

17:05-17:20

Title: Flexible Supercapacitors Fabricated via a Roll-to-Roll Process Based on Redox Reactions

Seong Chan Jun, *Yonsei University, Seoul, Korea*

17:20-17:35

Title: How to Negotiate Energy Security? Drafting a Negotiation Plan on Enrico Mattei's Footprints

Antonio Attolico, *LUISS Guido Carli University, Italy*

17:35-17:50

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

Emmanuel Chinonye Mgbemene, *Cyprus International University, Cyprus*

CERTIFICATE PRESENTATION

END OF DAY-1

SCIENTIFIC PROGRAM

DAY 02

TUESDAY

OCTOBER 27, 2026

08:30-08:40

Introduction

Moderator

Imed Derouiche, *Ecole Polytechnique de Tunisie, Tunisia*

Topics: Nanoscience and Technology | Nano Structures | Nano Medicine | 3D Printing | Fuel Cells | Nano Biotechnology | Robotics | Artificial Intelligence | Renewable Energy Systems | Bioenergy and Biomass | Smart Grids and Power Systems | Advanced Battery Technologies | Circular Economy | Hydro Power | Wind Energy and Wind Technologies

Distinguished Speaker Talks

Session Chair

Ali Razban, *Purdue University, USA*

Session Chair

Neeta Nathani, *Gyan Ganga Institute of Technology & Sciences, India*

08:40-09:00

Title: Building the AI-Ready Energy Workforce: Lessons from Preparing K-12 Pre-Service Science Teachers for the Age of Artificial Intelligence

Tiffanie Zaugg, *Artificial Intelligence and Assistive Technology Specialist at Central Rivers Area Education Agency, USA*

09:00-09:20

Title: Energy Consumption and Thermal Comfort in Education Building

Ali Razban, *Purdue University, USA*

09:20-09:40

Title: Circular Electronics Design of ICT Devices on Aluminium Substrates in Mechatronics Integrated Devices Technology

Thomas Mager, *Fraunhofer Institute Electromechanical Design IEM, Germany*

09:40-10:00	Title: Effective Preparation for STEM Learning in Early Childhood Jabari Mahiri, <i>University of California Berkeley, USA</i>
10:00-10:20	Title: Theorizing Sustainability and Sustainable Marketing Helge Löbler, <i>Leipzig University, Germany</i>
GROUP PHOTO 10:20-10:30	
REFRESHMENT BREAK 10:30-10:50	
10:50-11:20	Title: Artificial Intelligence, BIM and Shape Grammars in Nano-Responsive Architectural Systems Celia Sofia de Almeida Maia, <i>Universidade da Beira Interior, Portugal</i> Decio Ferreira, <i>Instituto Superior de Engenharia do Porto, Portugal</i>
11:20-11:40	Title: The Northern Tunisian Hydrogen Nerve: A Multi-Site Pathway to Low-Cost Green Hydrogen Exports from Tunisia to Europe Imed Derouiche, <i>Ecole Polytechnique de Tunisie, Tunisia</i>
11:40-12:00	Title: IoT Applications in Energy Neeta Nathani, <i>Gyan Ganga Institute of Technology & Sciences, India</i>
12:00-12:20	Title: Synthesis of Bis-Pyrazole Derivatives using Highly Efficient Cu-NP/C-Nanoparticles Catalyst and Docking Study as Anti-Cancer Agents Hanmant M. Kasralikar, <i>Lal Bahadur Shastri Mahavidyalaya, Dharmabad, India</i>
12:20-12:40	Title: The Methylation Level of Circulating Tumor DNA Predicts Prognosis for Stage I-III Colorectal Cancer Takahiro Irie, <i>Juntendo University, Japan</i>
12:40-13:00	Title: From Brazilian Natural Graphite to Graphene: Processing, Structure and Function Lucilene dos Santos, <i>Federal University of Ceará, Brazil</i>

GROUP PHOTO 13:00-13:10

LUNCH BREAK 13:10-13:50

13:50-14:10	Title: Evaluating the Impact of Fog on Free-Space Optical Communication Links in Mbeya and Morogoro, Tanzania Florence Upendo Rashidi, <i>The University of Dodoma, Tanzania</i>
14:10-14:30	Title: Physics-Informed Neural Networks: Bridging Physical Laws and Artificial Intelligence for Complex Engineering Applications Vladimir Martínez Bernardino, <i>Centla Energy, Mexico</i>
14:30-14:50	Title: Food-Derived Antioxidant Peptides Undergo Oxidative Transformations that may alter their Function and Safety Matthew David Ezema, <i>Carleton University Canada & Federal University, Oye-Ekiti, Ekiti State Nigeria</i>
14:50-15:10	Title: Development of Flexible One-Dimensional Carbon Fiber Electrodes <i>via</i> Hydrothermal Recrystallization for High-Performance Fiber-Type Supercapacitors Wilson Hou-Sheng Huang, <i>Chung Hua University, Taiwan (R.O.C)</i>
15:10-15:30	Title: The Impact of the Air Flow Strategy in the Room on the Economic and Sustainable Parameters of the Building. How to Create High Ventilation and Air Conditioning Efficiency Maciej Danielak, <i>Kampmann GmbH & Co KG, Germany</i>
15:30-15:50	Title: A Novel Long Short-Term Memory-Adaptive Feedback-Correction Gain Extended Kalman Filter for the High-Precision State-of-Charge Estimation of Lithium-Ion Batteries Emmanuel Appiah, <i>Southwest University of Science and Technology, China & Kumasi Technical University, Ghana</i>
15:50-16:10	Title: Rational Engineering of Iron- and Manganese-Based Nanostructures for Biomedical Theranostic Applications Kanchan Kumari, <i>Indian Institute of Technology Mandi, India</i>

REFRESHMENT BREAK 16:10-16:25

16:25-16:35
(Poster)

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

Sahand Nikoo, *Waterloo Collegiate Institute & University of Guelph, Canada*

16:35-16:45
(Poster)

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

Rupali Ghosh, *School of Chemical and Life Sciences, Jamia Hamdard, India*

16:45-17:00

Title: Avoiding a Nuclear Catastrophe: John Fitzgerald Kennedy and the Cuban Missile Crisis

Antonio Attolico, *LUISS Guido Carli University, Italy*

17:00-17:20

Title: Digital Strategies against Corruption: Opportunities and Challenges in Zimbabwe

Chipo Mutongi, *Midlands State University, Zimbabwe*

17:20-17:40

Title: Engineering Dielectric–Magnetic Synergy in Ultra-Thin Carbon–Ferrite Coatings: A Scalable Route to Conformal Microwave Absorbers for Aerospace Structures

Al-Haitham Khalid Saif Al-Subeihi, *Department of Aeronautical Engineering, Muscat, Oman*

17:40-18:00

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

Kaushik Sekaran, *Amity School of Engineering & Technology, India*

18:00-18:20

Title: Beneficial Effects of Photobiomodulation Therapy on Xerostomia: A Systematic Review and Meta-Analysis

Nahid Derikvand, *Islamic Azad University, Iran*

NETWORKING & CERTIFICATE PRESENTATION

END OF DAY-2



VIRTUAL CONFERENCE

PROGRAM- AT-A-GLANCE

Peers Alley Media

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



WhatsApp No: +1 506 909 0537



Peers Alley Media

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

 WhatsApp No: +1 (506) 909-0537

SCIENTIFIC PROGRAM

JOINT EVENT

VIRTUAL EVENT

ADVANCED NANOTECHNOLOGY AND NANOMATERIALS & RENEWABLE ENERGY, SMART SYSTEMS, AND SUSTAINABLE POWER TECHNOLOGIES

OCTOBER 26-27, 2026

SCIENTIFIC PROGRAM

DAY 01
MONDAY

OCTOBER 26, 2026

BST (British Summer Time)

06:25-06:30

Opening Ceremony

Sessions: Nanoscience and Technology | Nano Structures | Nano Medicine | 3D Printing | Fuel Cells | Nano Biotechnology | Robotics | Artificial Intelligence | Renewable Energy Systems | Bioenergy and Biomass | Smart Grids and Power Systems | Advanced Battery Technologies | Circular Economy | Hydro Power | Wind Energy and Wind Technologies

Distinguished Speaker Talks

06:30-06:50

Title: Spontaneous Robots and Enhancing their Empathy

Shuichi Fukuda, *Keio University, Japan*

06:50-07:10

Title: Gas Sensor Application of Fullerene Nanowhiskers

Kunichi Miyazawa, *Nano Alloy Technology Inc., Japan & Tokyo University of Science, Japan*

07:10-07:30

Title: The Phenomenon of Absolute Ordering of Multiple Phases Solid Solution of $\text{Cd}_x\text{Pb}_{1-x}\text{S}$ ($x < 0.19$) as a Crystallization Process of Ultrapure Superstructural Compounds of CdPbS and Stoichiometric PbS-st

Ravil D. Mukhamedyarov, *Ural Optronics LLC, Russia*

07:30-07:50

Title: Tribological Properties of Nanocomposite Coatings based on Amorphous Carbon

Ahad Janahmadov, *Azerbaijan National Academy of Aviation, Azerbaijan*

07:50-08:10

Title : Study of Hydrogen Transfer Reactions within the Framework of the Non-Equilibrium Approach

Igor Alexandrovitch Romanskii, *N. N. Semenov Institute of Chemical Physics, Russia*

08:10-08:30	Title: Framework for Enhancing Historical and Assessment Literacy in Higher Learning Institutions: Insights from Tanzania Willy Lazaro Komba, <i>Ruaha Catholic University, Tanzania</i>
08:30-08:50	Title: Newton's Nanoparticles Kevin Kendall, <i>HydrogenUnited.org, UK</i>
08:50-09:10	Title: Engineering Thermally Stable Magnetic Skyrmions for Future Nanoscale Data Storage Mohammed Al Bahri, <i>A'Sharqiyah University, Oman</i>
09:10-09:30	Title: Design of Nanocomposite Materials for Advanced Energy Field Vladislav Sadykov, <i>Boreskov Institute of Catalysis, Russia & Novosibirsk State University, Russia</i>
REFRESHMENT BREAK- 09:30-09:40	
09:40-10:00	Title: Assessment of Reactive Surface Areas and Particle Sizes Configuration Profiling of Biomass Sample Emmanuel Chinonye Mgbemene, <i>Cyprus International University, Cyprus</i>
10:00-10:20	Title: A Comparative Study of Anti-Diabetic Drug Adsorption on B₁₂N₁₂ and XB₁₁N₁₂ (X = Ga, Al, In) Nanocages using DFT and COSMO Samiron Kumar Saha, <i>Pabna University of Science and Technology, Bangladesh</i>
10:20-10:40	Title : Grouping of Corporate Social Responsibility Practices and Financial Development: Evidence from Indian Firms Vidhu Gaur, <i>Management Development Institute Gurgaon, India</i>
10:40-11:00	Title: Modified Portland Cement through Fly Ash Nagy Mohamed Ali Khalil Zanaty, <i>University of Jeddah, Saudi Arabia & National Research Centre, Egypt</i>

11:00-11:20	Title: Energy-Based Classification of Sensitive Clay Landslides: An Operational Disintegration Energy Model for Hazard and Risk Assessment Lamia Touiti Bouebdellah, <i>University of Gabes, Tunisia</i>
11:20-11:40	Title: A Decoupled Climate Regime Shift in a Semi-Arid Mediterranean Basin: Early Drying, Delayed Warming, and the Emergence of Compound Hot-Dry Years (Sebou Basin, Morocco) Badr Layan, <i>Ibn Tofail University, Morocco</i>
11:40-12:00	Title: From Nanophotonics to Near-Earth Orbit: Building the Physical Layer of the Quantum Internet Rohit K Ramakrishnan, <i>QOSMIC Satellite Systems, India & Indian Institute of Science, India</i>
12:00-12:20	Title: Condition Monitoring of EHV Surge Arresters – A Case Study Anil S. Khopkar, <i>Electrical Research and Development Association, India</i>
12:20-12:40	Title: Drones as Digital Troops K Senthil Kumar, <i>Anna University, India</i>
12:40-13:00	Title: Governance as the Missing Link: How Institutional Quality Shapes FinTech and Green Economy Effects on Sustainability in Emerging Economies Sahar Souid, <i>University of Carthage, Tunisia</i>
LUNCH BREAK- 13:00-13:30	
13:30-13:50	Title: The Future of Engineering Education: From Generative and Agentic AI to Personalized and Adaptive Learning Amina ABBI, <i>Cadi Ayyad University, Morocco</i>
13:50-14:10	Title: Single-Phase Hybrid Photovoltaic Inverter with Wide Input Range Mykhailo Yaremenko, <i>National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Ukraine</i>

14:10-14:30	Title: Aligning Nature-Inspired Computing with Green Energy Technologies Santosh Kumar Verma, <i>Rajiv Gandhi Institute of Petroleum Technology Sivasagar Campus, India</i>
14:30-14:50	Title: The Cliff Instability Risk Index: A New Tool for Coastal Management Walid Boukheduche, <i>University of Oran 2 Mohamed Ben Ahmed, Algeria</i>
14:50-15:10	Title: Surface-Modified Nylon Textile for Wearable rGO/MOx-Based Chemiresistive Gas Sensors Rabia Maryam, <i>University of Milano-Bicocca, Italy</i>
15:10-15:30	Title: Nanocarriers Raymond Compton Jagessar, <i>University of Guyana, Guyana</i>
REFRESHMENT BREAK- 15:30-15:40	
15:40-16:00	Title: Finite Element and Experimental Modelling of Friction Crush Welding for Lightweight Vehicle Applications Ashu Kumar, <i>University of Petroleum and Energy Studies, India</i>
16:00-16:20	Title: The Role of Computational Electromagnetics for the Development of Nanoelectronics Kalyan C. Durbhakula, <i>Ansys (Part of Synopsys), USA</i>
16:20-16:40	Title: Hybrid Deep Learning for Software Fault Prediction in Smart and Sustainable Digital Systems Sai Krishna Gunda, <i>CVS Health, Artificial Intelligence and Software Reliability, USA</i>
16:40-17:00	Title: Combining Demand Classification and Forecasting Models in Spare Parts Inventory Management for the Energy Sector Leandro Fernandes da Silva, <i>Federal Fluminense University (UFF), Brazil</i>

17:00-17:20	Title: Integrating Structural Health Monitoring and Digital-Twin Models for Seismic Assessment of Heritage Buildings: The Basilica Maria Auxiliadora Case Study in Lima, Peru Hector Aroquipa Velasquez, <i>Universidad Nacional de Ingeniería, Perú & Universidad tecnología de los Andes, Peru</i>
17:20-17:40	Title: Climate Change and Sustainable Development Rafael Maya-Yescas, <i>Universidad Michoacana de San Nicolás de Hidalgo, Mexico</i>
17:40-18:00	Title: A Concise Overview of the Nanotechnology of Nitinol that has the Potential to Serve as a Sustainable Engineering Solution for Hybrid Air Conditioning Systems Agustín Torres Rodríguez, <i>Posgrado de ingeniería UNAM, México</i>
CERTIFICATE PRESENTATION	
END OF DAY-1	

SCIENTIFIC PROGRAM

DAY 02
TUESDAY

OCTOBER 27, 2026

BST (British Summer Time)

06:25-06:30	Introduction
Sessions: Nanoscience and Technology Nano Structures Nano Medicine 3D Printing Fuel Cells Nano Biotechnology Robotics Artificial Intelligence Renewable Energy Systems Bioenergy and Biomass Smart Grids and Power Systems Advanced Battery Technologies Circular Economy Hydro Power Wind Energy and Wind Technologies	
Distinguished Speaker Talks	
06:30-06:50	Title: An Empirical Analysis on CO2 Emissions from International Carbon Flow in East Asia Hiroataka Haga, <i>University of Nagasaki, Japan</i>
06:50-07:10	Title: Digitalization of MSME Businesses in Indonesia; Strategies for Achieving Sustainable Performance Diana Zuhroh, <i>University of Merdeka Malang, Indonesia</i>
07:10-07:30	Title: The Phenomenon of Absolute Phase Ordering in Five Ultrapure CdPbS and PbS-st Superstructural Compounds: A New Technological Platform for Infrared Photovoltaics Ravil D. Mukhamedyarov, <i>Ural Optronics LLC, Russia</i>
07:30-07:50	Title: Using Root-Polynomial Functions for Estimation Boundary Trajectories of Short-Focus Electron Beams and Minimizing Energy Losses Igor Melnyk, <i>National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Ukraine</i>
07:50-08:10	Title: Effect of Nano Fillers on Arecanut/Jute Fibres for Industrial Applications Sanjay Kumar S M, <i>SJB Institute of Technology, India</i>

08:10-08:30	Title: Can Artificial Intelligence Drive Sustainable Growth? Empirical Evidence on the AI-Energy-Growth Nexus in Advanced Economies Demet Özocakli, <i>Gaziantep University, Türkiye</i>
08:30-08:50	Title: Tackling Climate Change through Open Social Innovation: The Mediating Role of AI for Social Good in Renewable Energy Transitions Melissa Vasi, <i>Deutsche Hochschule Für Angewandte Wissenschaften - DHAW, Germany & Technological University of the Shannon, Ireland</i>
08:50-09:10	Title: Substrate-Stabilized FeS on Au(111): Experimental and Theoretical Insights Naiara Leticia Marana, <i>University of Turin, Italy</i>
09:10-09:30	Title: Quantum Drugs: Drugs Reborn as Carbon Quantum Dots Gamze Camlik, <i>Biruni University, Türkiye</i>
REFRESHMENT BREAK- 09:30-09:40	
09:40-10:00	Title: Dissimilar Solid-State Rotary Friction Welding of Al6063 and EN24 Dibyendu Debnath, <i>High Energy Materials Research Laboratory (HEMRL), Pune, India</i>
10:00-10:20	Title: Catalytic Pyrolysis of Metal-Free Waste Printed Circuit Boards: Enhanced Recovery of Phenol-Rich Oil with Simultaneous Bromine and Furan Reduction Shina Gautam, <i>School of Chemical Technology, Harcourt Butler Technical Technology, India</i>
10:20-10:40	Title: Artificial Aggregates from M-sand Dust, Fly Ash, Red Mud and Rice Husk Ash by Geo-Polymerization Mini Mathew, <i>Amal Jyothi College of Engineering, India</i>
10:40-11:00	Title: Nano-Biofortification of <i>Vigna Radiata</i> through Biogenic Selenium Nanoparticles: Insight into Nutrient Transport and Antioxidant Modulation Safi Abbas, <i>Jamia Milia Islamia, India</i> Mehar Fatma, <i>Aligarh Muslim University, India</i>

11:00-11:20	Title: Big Data Analytics in Healthcare: Challenges and Advancements Fulbert Milrich Kiminou Nsimba, <i>Near East University, Türkiye</i>
11:20-11:40	Title: A Hardware-Efficient Algorithm and Architecture for Depth-Based Image Dehazing Systems Anuja George, <i>St. Joseph's College of Engineering and Technology, India</i>
11:40-12:00	Title: Robotic Fish for Plastic Waste Removal in Aquatic Environment Sayali R. Kokane, <i>APCOER, India</i>
12:00-12:20	Title: Promoting Climate-Smart Agriculture Practices to Improve the Productivity of Farming Systems Maliki Raphiou, <i>National Agricultural Research Institute of Benin (INRAB), Benin</i>
12:20-12:40	Title: A Novel Long Short-Term Memory-Adaptive Feedback-Correction Gain Extended Kalman Filter for the High-Precision State-of-Charge Estimation of Lithium-Ion Batteries Emmanuel Appiah, <i>Southwest University of Science and Technology, China & Kumasi Technical University, Ghana</i>
12:40-13:00	Title: Assessment of Nanotechnology Applications for Enhancing Indoor Air Quality in Residential Interiors Raufu Khairat Adedoyin, <i>Ladoke Akintola University of Technology, Nigeria</i>
LUNCH BREAK 13:00-13:30	
13:30-13:50	Title: Mechanistic Insights into the Chemical Demineralization of High-Ash Indian Thermal Coal Sushanta Kumar Behera, <i>National Institute of Technology (NIT), India</i>
13:50-14:10	Title: Bio-Inspired Surface Coating for Enhancing Photocatalytic Performance of Iron Oxide Nanoparticles Runjun Sarma, <i>Haflong Government College, India</i>

14:10-14:30	Title: Au/Co Nanospheres Integrated into an N-doped Graphitic Framework for Zn–Air Batteries Ashwini Anshu, <i>Indian Institute of Science, India</i>
14:30-14:50	Title: Optimization Strategies and Algorithms for Accelerating CNN on FPGA Dinah Ann Varughese, <i>Dayananda Sagar University, India</i>
14:50-15:10	Title: Nanoparticle-Mediated Modulation of Growth and Metabolic Traits in Nanasaheb Purple Grapes using Green-Synthesized Micronutrients Nanoparticles Yukti Verma, <i>ICAR-IIHR, Hesaraghatta Lake Post, India</i>
15:10-15:30	Title: The Nigerian Grid Paradox: Reconciling Centralized Power Infrastructure with Distributed Energy Demand through Renewable Energy Integration Maryam Omolara Quadri, <i>University of Lagos, Nigeria</i>
15:30-15:50	Title: Development of a Sintered Wire Mesh Filter for Pyro-Valve Application Nipun Neil, <i>Vikram Sarabhai Space Center, India</i>
REFRESHMENT BREAK 15:50 -16:00	
16:00-16:20	Title: Gating Monolayer and Bilayer Graphene with a Two-Dimensional Semiconductor Joshua Island, <i>University of Nevada Las Vegas, USA</i>
16:20-16:40	Title: Hybrid Deep Learning-Driven Smart Energy Management Framework in High-Tech Cities using LeNet, GRU and AJFO Nitin Tripathi, <i>North Chicago, USA</i>
16:40-17:00	Title: AI in Returns and Reverse Logistics Optimization (SCM) for Sustainable Development Mallesh Deshapaga, <i>Synoptek LLC, USA</i>
17:00-17:20	Title: Mining Sludge Valorization for Advanced Materials – Fe-MCM-41 Synthesis Letícia Alana Bertoldo, <i>Londrina State University, Brazil</i>

17:20-17:40

Title: Effect of Experimental Bubble and Light Barriers on Fish Attraction or Repulsion

Miguel Vieira de Melo Neto, *Institute University of Brasília, Brazil*

17:40-18:00

Title: Gen Z Eco-Energy Segments in Argentina

Enrique Carlos Bianchi, *Universidad Católica de Córdoba, Argentina*

NETWORKING & CERTIFICATE PRESENTATION

END OF DAY-2

BOOKMARK YOUR DATES

7th Global Conference on

ADVANCED NANOTECHNOLOGY AND NANOMATERIALS

October 2027 | Barcelona, Spain

2nd world congress on

RENEWABLE ENERGY, SMART SYSTEMS AND SUSTAINABLE POWER TECHNOLOGIES

October 2027 | Barcelona, Spain