PEERS ALLEY MEDIA

Peers Alley Media
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SCIENTIFIC PROGRAM

VIRTUAL EVENT

5TH GLOBAL SUMMIT ON

ADVANCES IN EARTH SCIENCE AND CLIMATE CHANGE

September 24-25, 2026

SCIENTIFIC PROGRAM

DAY 01
THURSDAY

SEPTEMBER 24, 2026

BST - BRITISH SUMMER TIME

06:00-06:10	Inaugural Ceremony

Topics: Earth Science | Climate Change | Soil Science | Green Energy | Recycling | Ecology | Geology | Pollution Control | Biodiversity | Remote Sensing | Hydrology | Atmospheric Chemistry | Natural Hazards | Oceanography | Sewage Treatment | Geoengineering

Distinguished Speaker Talks

06:10-06:30	Title: Minimizing Nutrient Leached Using Rain Shield Nutri Gard NPK Fertilizer **Latifah Binti Omar,** *Universiti Putra Malaysia Sarawak, Malaysia*
06:30-06:50	Title: The Unitive Science of a Living Universe **Jude Currivan,** *Co-founder WholeWorld-View, UK*
06:50-07:10	Title: Effect of Imposed Drought on Carbon Storage and Soil Respiration of Moso Bamboo Stand in Southeast China **Benzhi Zhou,** *Research Institute of Subtropical Forestry, Chinese Academy of Forestry, China*
07:10-07:30	Title: From Warning Signals to Early Action: Stress-Testing Anticipatory Governance in Landslide-Dammed Lake Risk Management **Bih-Chuan Lin,** *Da-Yeh University, Taiwan*
07:30-07:50	Title: AI-Driven Hydrodynamic Forecasting for Flood Early Warning in Climate-Sensitive Mahanadi River Networktrol of Methane Gas Emissions **Monalisha Pattnaik,** *Sambalpur University, India*
07:50-08:10	Title: Digital Collaboration Platforms for Climate Research **Meeramani N,** *JAIN (Deemed-to-be University), India*

08:10-08:30	Title: Tracing the Human–River Relationship in India through Case Studies across Historical Timelines **Sharduli Joshi and Prajakta Chakravarty,** *SMEF's Brick School of Architecture, India*
08:30-08:50	Title: Seismic Hazard Analysis in Complex Tectonic Settings: A Non-Traditional Perspective **Niranjan Borah,** *Barak Valley Engineering College, India*
08:50-09:10	Title: Disentangling Atmospheric and Soil Moisture Controls on Sap Flow in Forest Biomes **Leena Khadke,** *University of New South Wales, Australia | Indian Institute of Technology Bombay, India*
09:10-09:30	Title: Business Standards for Digital Transformation in Financial Services Using Geo-Spatial Technology in Times of Climate Change **Chinagudi Jayanna Jagadeesha,** *Indian Space Research Organization ISRO-NRSC-RRSC-Bangalore, India*
09:30-09:50	Title: Emotional Contagion in Virtual Leadership: A Webcam-Based Study of Expressivity, Psychological Safety and Team Output **Vidhu Gaur,** *Management Development Institute (MDI), Gurgaon, India*
REFRESHMENT BREAK 09:50-10:00	
10:00-10:20	Title: Impact of Climate-Induced Adverse Weather on Autonomous Vehicle Perception: An AI-Based Enhancement Approach **Aswini N,** *PES University, India*
10:20-10:40	Title: Green FDI as a Catalyst for Climate-Resilient Development in Emerging Economies **Sukanya R,** *CHRIST University, India*
10:40-11:00	Title: Sustainable Consumers' Attitude & Perception towards Circular Economy of Bangladesh Regarding Ship Breaking and Recycling Products: Evidence from SEM Approac **Meher Neger,** *Comilla University, Bangladesh*

11:00-11:20	Title: Strategy for the Development of the Eastern Issyk-Kul Tourism Cluster under Mountainous Conditions **Antonina Viktorovna Babosiuk,** *M. Ryskulbekov Research University "Kyrgyz Economic University", Kyrgyz Republic*
11:20-11:40	Title: Root Absorption of CO2 by Plants as an Ecosystem Factor in Regulating the Carbon Balance in the Biosphere **Amiran Khabidovich Zanilov,** *Kabardino-Balkarian State University named after H.M. Berbekov, Russia*
11:40-12:00	Title: Eco-Design and Renewable Energy as Drivers of Decarbonization in Energy-Intensive Industrial Systems **Merve Balta,** *Sakarya University, Turkey*
12:00-12:20	Title: Ecotourism in a Changing Climate: The Role of Sustainability Criteria and Indicators in Protected Areas in Türkiye (Case of Artvin-Camili Biosphere Reserve) **İnci Zeynep YILMAZ,** *Recep Tayyip Erdoğan University, Turkey*
12:20-12:40	Title: Soybean Mosaic Virus Infection in Three Cultivars of Soybeans Intercropped with Corn at Three Planting Densities of Soybeans **Eman Ibrahim El-Sayed Abdel-Wahab,** *Agricultural Research Center, Egypt*
12:40-13:00	Title: Factors Affecting Green Banking Technology Adoption in Bangladesh **Naimul Islam,** *University of Greenwich, UK*
LUNCH BREAK 13:00-13:30	
13:30-13:50	Title: Utilizing the Metaverse: Innovative Approaches for Improved Management and Organisational Effectiveness **Ola Al Mari,** *University of Seville, Spain*
13:50-14:10	Title: A Century-Old Coal Company: Hullera Vasco-Leonesa **Leonardo Caruana de las Cagigas,** *University of Granada, Spain*

14:10-14:30	Title: Beyond the Greenery: The Role of Urban Green Spaces in Supporting Climate Neutrality **Carla Sofia Santos Ferreira,** *Polytechnic University of Coimbra, Portugal*
14:30-14:50	Title: Carbon Capture, Sequestration and Carbon Credits As Strategic Tools for Climate Change Adaptation in the Niger Delta Oil Province of Nigeria **Adewale Dosunmu,** *University of Port Harcourt, Nigeria*
14:50-15:10	Title: Effect of Climate Change on Energy Security in Sub-Saharan Africa: The Role of Renewable Energy Adoption **Lord-Freeman Dunyoh,** *Jasikan College of Education | University of Professional Studies, Accra (UPSA), Ghana*
15:10-15:30	Title: Managing the Environmental Risks Related to the Effects of Climate Change on Urban Buildings through Innovative and Sustainable URM Infill Walls Associated to Quality Management and Use of Information Systems **José Luís Miranda Dias,** *National Laboratory of Civil Engineering (LNEC), Portugal*
15:30-15:50	Title: Co-seismic Earthquake Lights (EQLs) during the 2023 Morocco Earthquake: Observations and an Atmospheric Friction Model **Bendaoud Saâd,** *Cadi Ayyad University, Morocco*
15:50-16:10	Title: E-government, Governance and Sustainable Development: What Synergy for African Countries? **Ahlam Er-Rahmani,** *Ibn Tofail University, Morocco*
REFRESHMENT BREAK 16:10-16:20	

16:20-16:40	Title: Numerical Foundations for Computational Modeling in Wind Energy **Andreia Aoyagui Nascimento,** *Universidade Federal de Goiás, Brazil*
16:40-17:00	Title: Correlation of Space Weather with Biological Indicators – A Case Study: Myocardial Infarctions **Luiz Felipe Rezende,** *INPE - National Institute for Space Research, Brazil*
17:00-17:20	Title: Diagnosing Rebound Effects in Territorial Circular Economy Transitions: Implications for Climate Governance **Rachida Bouhid,** *Université du Québec à Montréal (UQAM), Canada*
17:20-17:40	Title: Similarity Analysis: Classification of Time Series Data Using Supervised and Unsupervised Learning **David J Corliss,** *Peace-Work, USA*
17:40-18:00	Title: Building Pathways to Sustainable Wastewater Management Systems in Developing Countries Using Semantic Network Models **Fernando Ramos Quintana,** *Tec de Monterrey, Mexico*
END OF DAY-1	

SCIENTIFIC PROGRAM

DAY 02
FRIDAY

SEPTEMBER 25, 2026

BST - BRITISH SUMMER TIME

08:30-08:40	**Introduction**

Topics: Earth Science | Climate Change | Soil Science | Green Energy | Recycling | Ecology | Geology | Pollution Control | Biodiversity | Remote Sensing | Hydrology | Atmospheric Chemistry | Natural Hazards | Oceanography | Sewage Treatment | Geoengineering

Distinguished Speaker Talks

06:30-06:50	Title: The Invasive Coconut Scale, Aspidiotus rigidus (Hemiptera: Diaspididae): A Continuing IPM Challenge in the Philippines **Johana C. Orense,** *Philippine Coconut Authority (Retired), Philippines*
06:50-07:10	Title: From Green Building Guidelines to Low-Carbon Design Decisions: An AHP-Based Prioritisation Framework for High-Rise Residential Buildings under LEED v5 **Chih-Ju Lin,** *Da-Yeh University, Taiwan*
07:10-07:30	Title: From Proximity to Ageing-in-Place: A Multi-Scale Evaluation of Age-Friendly Urban Environments **Tran Le Khanh Thu,** *Da-Yeh University, Taiwan*
07:30-07:50	Title: Ship-Generated Waste Management Practices, Challenges and Innovations On-Board and at Ports: A Systematic Review **Abhijit Arvind Mohite,** *Indian Maritime University, India*
07:50-08:10	Title: DripAlyze: Internet of Things Based Water Leakage Detection System for Smart Resource Management **Maitri Patel,** *Institute of Advanced Research, India*

08:10-08:30	Title: The Solar Activity and El Niño/La Niña Link: Effect on Surface Meteorological Elements **RajasrI Sen Jaiswal,** *Gopalan College of Engineering and Management, India*
08:30-08:50	Title: The Relevance of Sustainability in Education **Riya Gupta,** *AURO University, India*
08:50-09:10	Title: Beyond Connectivity: An Intelligent Emergency Communication for Localization and Evacuation in High-Altitude Disasters **Barnali Dey,** *Sikkim Manipal Institute of Technology, India*
09:10-09:30	Title : PFAS Pollution: A New Emerging Threat in Pakistan Its Environmental Distribution, Health Risks, and Advanced Remediation and Mitigation Strategies — A New Perspective" **Erum Bughio,** *Shaheed Benazir Bhutto University of Veterinary and Animal Sciences, Pakistan*
09:30-09:50	Title: Exploring Oceanic Depths: Unveiling Hidden Treasures with IoT and Ensembled Deep Hybrid Learning Model **Sujilatha Tada,** *Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, India*
REFRESHMENT BREAK 09:50-10:00	
10:00-10:20	Title: What We Can Learn From India a Forerunner in Community Centric Forest Management: An Insight for Global Forest Policy and Governance **Nick Lalrinmawia,** *Mizoram University, India*
10:20-10:40	Title: Evaluation of Kinetic Models for Orange G Dye Removal Using Hydrodynamic Cavitation at Different Initial Dye Concentrations **Amir Nasiri,** *Amirkabir University of Technology (Tehran Polytechnic), Iran*

10:40-11:00	Title: Internet of Things-Driven Waste Management: Paving the Way for Sustainable Smart Cities **Khadija Salim Al Yarubi,** *University of Nizwa, Oman*
11:00-11:20	Title: What Are Our Duties to Mitigate the Climate Crisis? **Mehmet Özçelik,** *Van Yuzuncu Yil University, Turkey*
11:20-11:40	Title: Climate Change Addressing through Green Technology and Environmental Policy Instruments: An Economic Perspective and Implications for Recycling **Burçin Çakır Gündoğdu,** *Istanbul Gelisim University, Türkey*
11:40-12:00	Title: Biomass Waste Valorization Pathways for Sustainable Energy and Climate Action: Systematic Review **Benjamin Yennuna Konyannik,** *RUDN University, Russia | Kwame Nkrumah University of Science and Technology, Ghana*
12:00-12:20	Title: The Ocean Wave 1449: Your Server Down **Diallo Mohamed Bobo,** *UFHB Cocody | ICN Afriqa 1449, Côte d'Ivoire*
12:20-12:40	Title: Effects of Geological Structures on Groundwater Geochemistry and Groundwater Flow within Deep Basement Aquifers of Lilongwe, Malawi **Daniel Kilembe,** *Mzuzu University, Malawi*
12:40-13:00	Title: Advances in Sustainable Pavement Subgrade Stabilization: A Review of Biopolymer- Natural Fiber Reinforcement of Clayey Soils **Michael Chizobam Uwaezuoke,** *University of Agriculture and Environmental Sciences, Nigeria*
LUNCH BREAK 13:00-13:30	
13:30-13:50	Title: The Stories of Ailing Forest Reserves and Standpoints of Agrarian Landowners: Kumbo and Lambo Reserves in Perspectives **Yamboar Laarbik,** *E. P. College of Education, Ghana*

13:50-14:10	Title : Who Must We Become? Climate Education, Identity and the Relational Turn **Naida Culshaw,** *Independent Scholar-Practitioner, UK*
14:10-14:30	Title: Valorization of Water Lettuce (Pistia stratiotes L.) Through Bioconversion for Black Soldier Fly Larvae (Hermetia illucens): Larvae Growth, Survival Rate and Nutritional Quality **Farokh NIASS,** *Gaston Berger University, Senegal*
14:30-14:50	*Title: Using Inverse Seismology to Better Constrain High Impact, Low Probability (HILP) Seismic Hazard Estimates* **Carlos Sousa Oliveira,** *Universidade Lisboa, Portugal*
14:50-15:10	Title: Providing the Grounds and Directions for a Randomized Controlled Trial Reducing Diagnosis Uncertainty in Psychiatric Symptomatology Related To Inhaled Pollutants – as Legitimized by the Precautionary Environmental Principle **Ana Rodriguez,** *Centre for the Studies of Population, Economy and Society, Portugal*
15:10-15:30	Title: Servitization as a Circular Economy Strategy for Climate Change Mitigation: Evidence from a Brazilian Packaging Company **Heloisa Candia Hollnagel, P***ontifical Catholic University of São Paulo (PUC-SP) | Universidade Federal de São Paulo (UNIFESP), Brazil*
15:30-15:50	Title: Shifting Mindsets: A Path for Change Acceleration **Isabel Rimanoczy,** *Convener PRME Working Group on the Sustainability Mindset, USA*
15:50-16:10	Title: Adoption of Blockchain Technology in Enhancing Supply Chain for Sustainable Practices: Case Study Review and Proposed Framework **Shazia Hassan,** *IEEE, USA*

16:10-16:30	Title: Improving Agricultural Resilience to Climate Change Communication Frameworks and Practices **B. Roseline Bayili,** *Laval University, Canada*
16:30-16:50	Title: Interannual Variability of Dinoflagellates in the Northern Humboldt Current System (NHCS) **Maribel Baylón,** *Universidad Nacional Mayor de San Marcos, Peru*
16:50-17:10	Title: Biomass Decomposition in Cacao-Based Agroforestry Systems **Danny Daniela Guerrero Aguas,** *Bajo Mira Cacao Company, Colombia*
17:10-17:30	Title: Assessing Shrubland Productivity in Arid Ecosystems Using Multivariate Ecological Indicators **Martín Martínez-Salvador,** *Autonomous University of Chihuahua, Mexico*
17:30-17:50	Title: Probabilistic Seismic Hazard Analysis for El Salvador **Walter Mauricio Salazar Guerra,** *Catholic University of El Salvador, El Salvador*
END OF DAY 2	