



ACADEMY NATURE EVENTS



**TENTATIVE
PROGRAM**

Global Meet and Expo on

Renewable and Sustainable Energy

October 20-22, 2025 | Crowne Plaza Dubai, Diera, IHG Hotel

Email: rsemeet@academynature.org

Website Link: <https://renewableenergy.academynature.org/>

| Global Meet and Expo on Renewable and Sustainable Energy | | |
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| Day-1, October 20, 2025 | | |
| Venue Details: Crowne Plaza Dubai- Deira, an IHG Hotel, Dubai | | |
| Meeting Room: | | |
| 08:00- 09:00 | Onspot Registrations | |
| 09:00-09:15 | Introduction and Opening Ceremony by Conference Chair- man Prof. Chaoqun Liu | |
| 09:15-09:55 | Title: Introduction on Liutex and The Third Generation of Vortex Definition and Identification | P |
| | Chaoqun Liu, University of Texas at Arlington, USA | |
| 09:55-10:35 | Title: Permanent Magnet Vernier Machine Topologies for Direct-Drive Wind Generator Applications | P |
| | Jawad Faiz, University of Tehran, Iran | |
| 10:35-11:15 | Title: Electricity Demand Forecasting by Machine Learning using the Random-forest Model with Support for Meteorological and Socio-Economicfactors: The Case of Lomé in Togo | P |
| | Yao Bokovi, Universite of Lome, Togo | |
| 11:15-11:30 | Coffee Break @ Foyer | |
| 11:30-12:15 | Title: Continuous Movement of Carbon Atoms in Organic Molecules | P |
| | Tamotsu Takahashi, Hokkaido University, Japan | |
| 12:15-12:55 | Title: Will be Updated Soon | P |
| | David Smith, Marubeni Middle East and Africa Power Limited, UAE | |
| 12:55-13:05 | Group Photo | |
| 13:05-13:50 | Lunch Break @ Restaurant | |
| 13:50-14:30 | Title: Will be Updated Soon | P |
| | Vinod Kumar Sharma, ENEA Research Centre Trisaia division for Bioenergy, Biorefinery and Green Chemistry, Italy | |
| 14:30-15:10 | Title: Will be Updated Soon | P |
| | VEduard Babulak, National Science Foundation, USA | |
| 15:10-15:40 | Title: The First Geothermal Power Plant in Malaysia: Small-Scale with a Big Future | K |
| | Syed Abdul Rehman Khan, Xuzhou University, China | |
| 15:40-15:55 | Coffee Break @ Foyer | |
| 15:55-16:25 | Title: Development of Electrocatalyst via Phase Diagram Design | K |
| | Chao Han, Central South University, China | |
| 16:25-16:55 | Title: Circular Economy and Waste Management: Paving the Path to Sustainable Resource Utilization | K |
| | Moinuddin Sarker, Waste Technologies LLC, USA | |
| 16:55-17:25 | Title: Fuzzy Logic Control for Energy Efficiency in Renewable-Powered Water Pumping Systems | K |
| | Balamurali Pydi, Aditya Institute of Technology and Management, India | |

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| 17:25-17:55 | Title: Structure Regulation of Electrolyte and Electrode Enables Stable Cycling of the Aqueous Zinc Battery | K |
| | Li Weijie , Central South University, China | |
| 17:55-18:00 | Certificate Appreciation | |
| Slots are Available | | |

| Day-2, October 21, 2025 | | |
|-------------------------|---|---|
| 09:00-09:30 | Title: Utilizing Renewable Energy Sources to Address Energy Scarcity in Emerging Economies: Focusing on Domestic Consumers | K |
| | Sohaib Mustafa , Beijing University of Technology, China | |
| 09:30-10:00 | Title: Will be updated Soon | K |
| | Sergio Braga , Pontifical Catholic University of Rio de Janeiro, Brazil | |
| 10:00-10:30 | Title: Energy and Process Optimisation for Robotic Manufacturing System to Implement Industry 4.0 | K |
| | Abdullah All Mamun Anik , University of Huddersfield, UK | |
| 10:30-11:00 | Title: GCC:Green Crystal Cells Future of Renewable Energy | K |
| | Rashed Alsihamat , AlHussein Technical University, Jordan | |
| 11:00-11:15 | Coffee Break @ Foyer | |
| 11:15-11:45 | Title: Modeling of Total Reducible Sugars Using Artificial Neural Networks in Agro-waste Pretreatment Using <i>N. mirabilis</i> Pitcher Fluids as Enzymatic Agents | K |
| | Seteno Karabo Obed Ntwampe , Cape Peninsula University of Technology, South Africa | |
| 11:45-12:15 | Title: Will be Updated Soon | K |
| | Benben Jiang , Tsinghua University, China | |
| 12:15- 12:45 | Title: Will be Updated Soon | K |
| | Dalin Zhang , Xi'an Jiaotong University, China | |
| 12:45-12:55 | Group Photo | |
| 12:55-13:40 | Lunch Break @ Restaurant | |
| 13:40-14:10 | Title: Will be Updated Soon | K |
| | Zisheng Lu , Shanghai Jiao Tong University, China | |
| 14:10-14:40 | Title: Will be Updated Soon | K |
| | Han Yang , Shanghai Jiao Tong University, China | |
| 14:40-15:10 | Title: Will be Updated Soon | K |
| | Manoj Saha , National Institute of Technology, India | |
| 15:10-15:40 | Title: Will be Updated Soon | K |
| | Hossien Eldeeb , University of Cambridge, UK | |

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| 15:40-15:55 | Coffee Break @ Foyer | |
| 15:55-16:25 | Title: Will be Updated Soon | K |
| | Mokhzaini Azizan, University Sains Islam, Malaysia | |
| 16:25-16:55 | Title: Will be Updated Soon | K |
| | Mohamad Khairi Ishak, Ajman University, UAE | |
| 16:55-17:20 | Title: Evaluating Advanced Recycling Technologies: A Comparative Approach to Overcoming the Limitations of Traditional Waste Management | I |
| | Sergey Likharev, Founder & CEO, Waste to EN, UAE | |
| 17:20-17:45 | Title: Investigating the influence of pH control agent in ZnO-based photoanodes to increase dye-sensitized solar cells (DSSC) Efficiency | I |
| | Baneto Mazabalo, University of Lome, Togo | |
| 17:45-18:10 | Title: Energy Storage Technologies and Vehicle Batteries – A Route Towards Renewable Energy Integration | I |
| | Haris M Khalid, University of Dubai, UAE | |
| Slots are Available | | |

| Day-3, October 22, 2025 | | |
|-------------------------|---|---|
| 09:00-09:25 | Title: Optimal Wind Resources Assessment in Costal Area of Lome Based on Particle Swarm Optimization Algorithm and Genetic Algorithm | I |
| | Adekunle Akim Salami, University of Lome, Togo | |
| 09:25-09:50 | Title: Comparative Numerical study of the Thermal and Electrical Performance of Combined and Separated Solar Chimneys for Passive Space Cooling in Multi-Storey Buildings | I |
| | Yawovi Noughblega, University of Lome, Togo | |
| 09:50-10:15 | Title: Will be Updated Soon | I |
| | Zheng Hong, Beijing University of Technology, China | |
| 10:15-10:40 | Title: Will be Updated Soon | I |
| | Williams, Donghua University, China | |
| 10:40-11:05 | Title: Will be Updated Soon | I |
| | Syed Asad Ullah, University of Engineering & Technology Peshwar, UAE | |
| 11:05-11:20 | Coffee Break @ Foyer | |
| 11:20-11:45 | Title: Will be Updated Soon | I |
| | Gallakota Anjani Ravi Kiran, Bachelor Program in Interdisciplinary Studies, Taiwan | |
| 11:45-12:10 | Title: Will be Updated Soon | I |
| | Tien Anh Tran, University of Malta, Malta | |
| 12:10-12:35 | Title: Will be Updated Soon | I |
| | Amilton Barbosa Botelho, Massachetus Institute of Technology, USA | |
| 12:35-13:00 | Title: Will be Updated Soon | I |
| | Bamdad Bahar, Fortescue, USA | |

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| 13:00-13:10 | Group Photo | |
| 13:10-13:50 | Lunch Break @ Restaurant | |
| 13:50-14:15 | Title: Will be Updated Soon | I |
| | Kashif Naseem, Hunan University of Humanities Science and Technology, China | |
| 14:15-14:40 | Title: Will be updated Soon | I |
| | Jinxing Che, Central South University, China | |
| 14:40-15:05 | Title: Will be Updated Soon | I |
| | Neal Phillip, City University of New York, USA | |
| 15:05-15:30 | Title: Will be Updated Soon | I |
| | Mostafa Esmacili Shayan, University of Cagliari, Cagliari, Italy | |
| 15:30-15:55 | Title: Will be Updated Soon | I |
| | Diman Zuhair Jaqsi, University of Zakho, Iraq | |
| 15:55-16:10 | Coffee Break @ Foyer | |
| 16:10-16:35 | Title: Will be Updated Soon | I |
| | Maria Flouda, Sustainability Switch Consultancy, UAE | |
| 16:35-17:00 | Title: Will be Updated Soon | I |
| | Rickard Johansson, Hydrogen Energy Solutions at Alfa Laval, Sweden | |
| 17:00-17:25 | Title: Will be Updated Soon | I |
| | Hanshen Li, North China Electric Power University, China | |
| 17:25-17:50 | Title: Will be Updated Soon | I |
| | Ali Hossein Ostadzad, University of Larestan, Iran | |
| 17:50-18:15 | Title: Will be Updated Soon | I |
| | Imad Rabichi, University Cadi Ayyad, Morroco | |
| 18:15-18:40 | Title: Will be Updated Soon | I |
| | IHaydar Izzettin Kepekci, Istanbul Gelisim University, Turkey | |
| Posters | Title: Hierarchical Pore Structure of Biomass-derived Water-Soluble Cellulose-based Porous Carbons for Efficient CO2 Capture | PP1 |
| | Faten Ermala Che Othman, National University of Singapore, Singapore | |
| | Title: Mapping the Renewable Future: Global Potentials, Innovations, and Strategic | PP2 |
| | Louis Tsague, University of Yaoundé I, Cameroon | |
| Slots Are Available | | |
| Virtual Slots Are Available on Day 1, Day 2 & Day 3 | | |
| Note: This is a Tentative Program and is Subject to Minor Changes Until the Final Version | | |



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