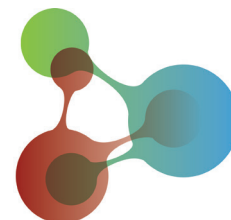


- ICAESE 2024 -

International Conference on Advanced Energy and Structural Engineering

Bte^cH
Belgian Technology Center for Cooling & Heating



December 16 & 17, 2024 -
Brussels



Site Tour & Taxis - Gare Maritime
Picardstraat 11, 1000 Brussels



conference.icaese@btecch-icaese.com
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Conference program - Monday December 16, 2024

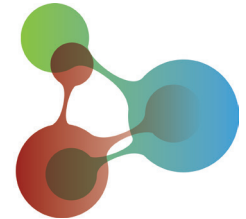
Maison de la Poste - Maritime Room

08:00 am	Registration and welcome with coffee and breakfast - Coffee Lounge Maritime Room
10:00 am	Opening conference by Walter Van Dael, Werner Neuville and Samir Khatir
10:15 am	Political overview
10:45 am	Keynote speaker 1 : Prof. Christophe Caucheteur - FNRS Research Director at the University of Mons : Opportunities of wind turbine monitoring with optical fiber sensors
Session ICAESE 1	Chair session : Prof. Erica Magagnini
12:00 pm	Speaker 1 : Prof. Antoine Dib (Italy) : Hemp Fibers in Italian Industry: a Dual Narrative of Opportunity and Challenges
12:20 pm	Speaker 2 : Dr. S. Ahmad Hosseini - University of Mons : Unlocking Wind Energy Potential by Addressing Operational and Structural Challenges
12:40 pm	Conference Group Photo
13:00 pm	Lunch break - Coffee Lounge Maritime Room
14:00 pm	Speaker 3 : Dr. Djohra Saheb (Algeria) Optimizing Autonomous PV Installations Using Micro controller-Based Monitoring
14:30 pm	Speaker 4 : Dr. Y. Mounia (Algeria) Enhancing Sustainability and Cost-Effectiveness of Microbial Fuel Cells through Algal Biomass as Photosynthetic Cathodes
15:00 pm	Speaker 5 : Dr. B. Nasreddine (Algeria) Evaluating Visual Failures in Monocrystalline and Polycrystalline PV Modules in Northern Algeria: A Study Based on IEC 61215 Standard
15:30 pm	Speaker 6 : Dr. A Katia (Algeria) Investigation of NiO/V2O5 powder composite as cathode material for lithium-ion batteries
16:00 pm	Drink and networking - Coffee Lounge Maritime Room

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Conference program - Tuesday December 17, 2024

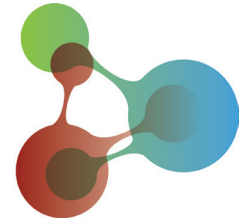
Syntra Brussels - Room 1

09:00 am	Welcome with coffee and breakfast - Le Pain Quotidien Tour & Taxis
10:00 am	Keynote speaker 1 : Prof. Jean-Michel Nunzi (Canada) : Advanced material for PV manufacturing
11:00 am	Speaker 1 : Mr.Victor Dachet - University of Liège : Remote Renewable Energy Hubs as Key Infrastructure for Enabling the Energy Transition
11:30 am	Speaker 2 : Mr Chekaoui Azeddine (Algeria) : Advanced material for saving energy in building
12:00 pm	Speaker 3 : Prof Sofi N (Algeria) : Enhancing Energy Efficiency and Signal Propagation in Smart Infrastructures through Intelligent Reflecting Surfaces (IRS)
12:30 pm	Lunch break - Le Pain Quotidien Tour & Taxis
14:00 pm	Speaker 4 : Dr. H Hichem (Algeria) Evaluation of the Initial Stabilization for New PV Modules According to IEC 61215
14:30 pm	Speaker 5 : Dr. Nadira A (Algeria) Design and Structural Analysis of a Bifacial Photovoltaic Carport for Urban Renewable Energy Integration
15:00 pm	Speaker 6 : Dr Djohra Saheb (Algeria) Optimizing Autonomous PV Installations Using Micro controller-Based Monitoring
15:30 pm	Speaker 7 : Dr. Belhouass K. (Algeria) Evaluating Visual Failures in Monocrystalline and Polycrystalline PV Modules in Northern Algeria: A Study Based on IEC 61215 Standard
16:00 pm	Drink and networking - Gare Maritime

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Conference program - Tuesday December 17, 2024

Syntra Brussels - Room 2

09:00 am	Welcome with coffee and breakfast - Le Pain Quotidien Tour & Taxis
10:00 am	Keynote speaker 1 : Prof. Erica Magagnini (Italy)
11:00 am	Speaker 1 : Dr. Abdelmoumen O Brahim (Italy) : AI for SHM in composite pipeline
11:30 am	Speaker 2 : Mr. Yassine Bouzid (Algeria) : Image Processing for controlling welding in pipelines
12:00 pm	Speaker 3 : Dr. Ait Sidhom (Algeria) : Advanced material based on computational mechanics
12:30 pm	Lunch break - Le Pain Quotidien Tour & Taxis
14:00 pm	Speaker 4 : Prof. Cuong Le Thanh (Vietnam) A novel optimization techniques for structural engineering
14:30 pm	Speaker 5 : Dr. Morteza Saadatmourad (Iran) Image Processing for structural health monitoring in reservoir structures
15:00 pm	Speaker 6 : Dr. Kamel Z (Algeria) A realistic case of study for comparison of MEERA data and those measured by SKTM for Adrar region
15:30 pm	Speaker 7 : Karl Willemen - Resus Structural Health Monitoring of water based energy transfer systems
16:00 pm	Drink and networking - Gare Maritime