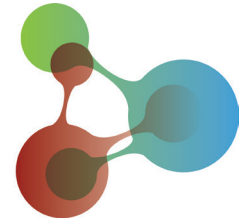


- ICAESE 2024 -

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



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Conference program

Tuesday December 17, 2024

09:00 am	Welcome with coffee and breakfast
09:30 am	Damage detection in offshore wind turbine : Keynote Speaker 1 The presentation will be focused on the application of reliable structural health monitoring (SHM) technologies to operational wind turbine blades, which is a challenging task, due to the uncertain nature of the environments they operate in.
10:20 am	Biofuels and Bioenergy : Keynote Speaker 2 This presentation will discuss various types of bioenergy, including biomass, biogas, and biofuels . It defines biomass as a renewable energy source derived from living or recently living organisms. Key types of biomasses discussed include wood, agricultural waste, solid waste, and landfill gas. Methods of converting biomass to energy include burning, bacterial decay, fermentation, and thermal or chemical conversion.
11:10 am	Session ICAESE 3 (see sessions below)
01:00 pm	Lunch break
02:00 pm	Session ICAESE 4 (see sessions below)
04:00 pm	Conference Closing
05:00 pm	Networking and dinner

Sessions ICAESE

- » Professors, PhD, PhD students, and companies will give presentations related to **Advanced Energy and Stockage** (PV, Hydrogen, etc.) - Speakers to be determined
- » Professors, PhD, PhD students, and companies will give presentations related to **Photovoltaic Applications and Related Advanced Materials** - Speakers to be determined
- » Professors, PhD, PhD students, and companies will give presentations related to **Structural Health Monitoring (SHM) in Energy Structures** - Speakers to be determined
- » Professors, PhD, PhD students, and companies will give presentations related to **Biofluid and Bioenergy-based Recent Applications** - Speakers to be determined