

THE 2025 IEEE GLOBAL CONFERENCE ON SUSTAINABLE ENERGY AND NET-ZERO EMISSIONS



HONORARY CHAIRS

PROF. DR. ZAID MUHALHAL AL-SHAMMARI, RECTOR OF UNIVERSITY OF HAIL, KSA
PROF. DR. HAITHAM ALSAIF, VICE RECTOR FOR GRADUATE STUDIES AND SCIENTIFIC RESEARCH OF UNIVERSITY OF HAIL, KSA

GENERAL CHAIRS

DR. MOHAMMAD ABDULLAH ALSHENAIFI, UNIVERSITY OF HAIL, KSA
PROF. DR. ABDELLAH KOUZOU, UNIVERSITY OF DJELFA , ALGERIA

TECHNICAL PROGRAM COMMITTEE GENERAL CHAIRS

PROF. DR. KOUZOU ABDELLAH, DJELFA UNIVERSITY, ALGERIA
PROF. DR. FREDE BLAABJERG, AALBORG UNIVERSITY, DENMARK
PROF. DR. NABIL DERBEL, UNIVERSITY OF SFAX, TUNISIA
PROF. DR. MARIUSZ MALINOWSKI, WARSAW UNIVERSITY OF TECHNOLOGY, POLAND
PROF. DR. HAITHAM ABU RAB, HAMAD BIN KHALIFA UNIVERSITY, DOHA, QATAR

PROGRAM COMMITTEE CHAIRS

PROF. DR. KOUZOU ABDELLAH, DJELFA UNIVERSITY, ALGERIA
PROF. DR. HOUSSEM JERBI, UNIVERSITY OF HAIL, KSA
PROF. DR. LIOUA KOLSI, UNIVERSITY OF HAIL, KSA
PROF. DR. NIDHAL BEN KHEDHER, UNIVERSITY OF HAIL, KSA

SPECIAL SESSION CHAIRS

PROF. DR. FAOUZI DERBEL GERMANY
PROF. DR. JAROSLOW GUSINSKI, GDANSK TECHNICAL UNIVERSITY, POLAND
PROF. HADI Y. KANAAN, SAINT-JOSEF UNIVERSITY OF BEIRUT, LEBANON
PROF. SERTAÇ BAYHAN, GAZI UNIVERSITY, TURKEY

PUBLICATION CHAIRS

PROF. DR. LIOUA KOLSI, UNIVERSITY OF HAIL, KSA
PROF. DR. IRATNI ABDELHAMID, UNIVERSITY BORDJ BOU ARRERIDJ, ALGERIA
PROF. DR. KOUZOU ABDELLAH, DJELFA UNIVERSITY, ALGERIA
DR. ATTIA BOUDJEMLINE, UNIVERSITY OF HAIL, KSA

TRACK CHAIRS

TRACK 1: DR. RABEH ABBASSI, UNIVERSITY OF HAIL, KSA
TRACK 2: PROF. DR. NABIL DERBEL, UNIVERSITY OF SFAX, TUNISIA
TRACK 3: PROF. DR. MOURAD KCHAOU, UNIVERSITY OF HAIL, KSA
TRACK 4: PROF. DR. IRATNI ABDELHAMID, UNIVERSITY BORDJ BOU ARRERIDJ, ALGERIA

FINANCE CHAIRS

DR. YASSINE BOUAZZI, UNIVERSITY OF HAIL, KSA
MRS. TAGHREED ALMUZAINI ABDULLAH, UNIVERSITY OF HAIL, KSA



The 2025 IEEE Global Conference on Sustainable Energy and Net-Zero Emissions (SENZE'25)

is a premier international conference for researchers, industry professionals, and policymakers to share cutting-edge research, innovations, and strategies in sustainable energy and zero-emission technologies. Organized by the College of Engineering at the University of Hail, Saudi Arabia, this inaugural conference aims to accelerate the global transition to a sustainable, low-carbon future.

SENZE'25 will feature four main Key Objectives:

- Foster interdisciplinary collaboration in sustainable energy research
- Showcase innovative solutions for achieving net-zero emissions
- Bridge the gap between academic research and industrial applications
- Align technological advancements with global and national sustainability goals

SENZE'25 is strongly aligned with Saudi Arabia's Vision 2030, particularly with its focus on sustainable development, renewable energy, and technological innovation. The conference directly supports several United Nations Sustainable Development Goals, including:

- SDG 7: Affordable and Clean Energy
- SDG 9: Industry, Innovation, and Infrastructure
- SDG 11: Sustainable Cities and Communities
- SDG 13: Climate Action

Advances in sustainable energy technology	Enabling zero-neutrality technologies	Advanced applications in smart and sustainable cities	Power and control electronics for integration and Net-zero
Integration of renewable energy and modernization of the network. Designing sustainable buildings and infrastructure. Energy efficiency and carbon removal technologies. Circular economy for sustainable energy. Hydrogen production and storage technologies and its applications in energy.	Advanced materials for clean energy. Sustainable waste management and circular economy. Advanced technologies in energy storage. Policies and Regulation of Sustainable Energy and Carbon Neutrality	Machine learning and optimization of renewable energy systems. Energy efficiency solutions powered by artificial intelligence. Big data analysis and artificial intelligence for zero neutrality engineering. De-carbonization of Transportation	Energy conversion technologies for sustainable energy integration. Advanced control strategies for microgrids and power generation and distribution. Energy storage and control systems. Control, communications and smart grid technologies

CONFERENCE WEBSITE AND PAPER SUBMISSION

Papers must be written in English and should describe the work in detail. Please download the template from the conference website



- The conference has received technical sponsorship from IEEE, and its proceedings will be included in IEEE Xplore (reference number #66459)

For general inquiries, please contact the conference secretariat at: **SENZE25@uoh.edu.sa**

IMPORTANT DATES



ORGANIZED BY

جامعة حائل
University of Hail



SPONSORS

