

5th International Conference on

Renewable, Non-Renewable & Sustainable Energy Systems

CONFERENCE PROGRAM

MAY 24, 2027 BERLIN, GERMANY

For More Info: https://renewableenergy2027.pagesconferences.org/

DAY 1 | MAY 24, 2027

09:00 - 09:30 — **On Spot Registrations**

PLENARY PRESENTATIONS

09:30 - 10:10

Shogo Nishikawa
Nihon University, Japan

Title: Novel Fault Detection Technology for Pv Modules Using IR Cameras

10:10 - 10:50

Melanie A.Kenderdine
EFI Foundation, USA

Title: The Energy Trilemma — Energy Security, Clean Energy, Affordable Energy: History and Innovation Needs

10:50 - 11:05 — **Refreshment Break**

11:05 - 11:45

Adrian Ioinovici
Shanghai University of Electrical Power, China

Title: Switched-Capacitor Inverters for Renewable Energy Electrical Systems

11:45 - 12:25

Guenachi Khadidja
University of Oran, Algeria

Title: The 21st Century City Faced to Ecosystem Intelligence and Sustainability
The University and Education Contribution in the Construction of Smart and Resilient Green City

12:25 - 13:05

Seyed Reza Samaei
Islamic Azad University, Iran

Title: Intelligent Digital Twins for Climate-Resilient Offshore Renewable Energy Infrastructure: Ai-Enabled Structural Health Monitoring, Predictive Maintenance, and Risk-Informed Asset Management

13:05 - 14:05 — **Group Photo & Lunch Break**

KEYNOTE PRESENTATIONS

14:05 - 14:35

Turkan Ucok Erkek
Ege University, Turkey

Title: Cooling For Future of AI: Data Center Cooling – Current Practices, Challenges and Future Prospects

14:35 - 15:05

Thiago Paulino Costa
CEO & Founder of AeroGrid AI, Brazil

Title: Unlocking Trapped Energy: Edge Computing as a Global Solution to Renewable Curtailment

15:05 - 16:35

Abdelhakim Hassabou
Technical University of Munich, Germany

Title: Cooling the AI Revolution: Integrated Sustainable Energy Infrastructure for the Next Generation of AI Data Centers

16:35 - 16:50	**Refreshment Break**

16:50 - 17:20

Alexis Kwasinski
University of Pittsburgh, USA

Title: Benefits and Challenges of Using Renewable Energy Sources for Improved Power Supply Resilience

17:20 - 17:40

Nivin Abdelmeguid
Cairo University, Egypt

Title: Scaling Innovation for Global Energy Transitions: A Roadmap to Net Zero

17:40 - 18:10

Lewis Fuhneh
IU International University of Applied Sciences, Germany

Title: Sustainable Project Management and Policy Frameworks for Smart Renewable Energy Systems in Developing Areas

18:10 - 18:40

Elkhatib Kamal
LS2N, École Centrale de Nantes, France

Title: Artificial Intelligence for Sustainable Data Centers: Energy Efficiency, Intelligent Optimization, and the Path Toward Greener Computing

18:40 - 19:10

Seongwoo Woo
Ethiopian Technical University, Ethiopia

Title: Improving the Fatigue Design of Mechanical Systems Such as Refrigerator

VIDEO PRESENTATION

Video - 01

Falah Hussein
Founder & Creator of FSIM Strategic Energy Systems, Norway

Title: Energy System Dependencies, Cascading Risks, and Operational Resilience Through the Fsim Strategic Energy Systems Research Framework

Video - 02

Elizabeth Ferreira Rangel
Oswaldo Cruz Institute, Brazil

Title: Will Be Updated Soon

END OF THE DAY 1 CONFERENCE

The Day 2 program is currently under preparation, and presentation slots are still available. Interested participants are welcome to secure their slots.