Global Renewable Energy Network
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PEERS ALLEY MEDIA

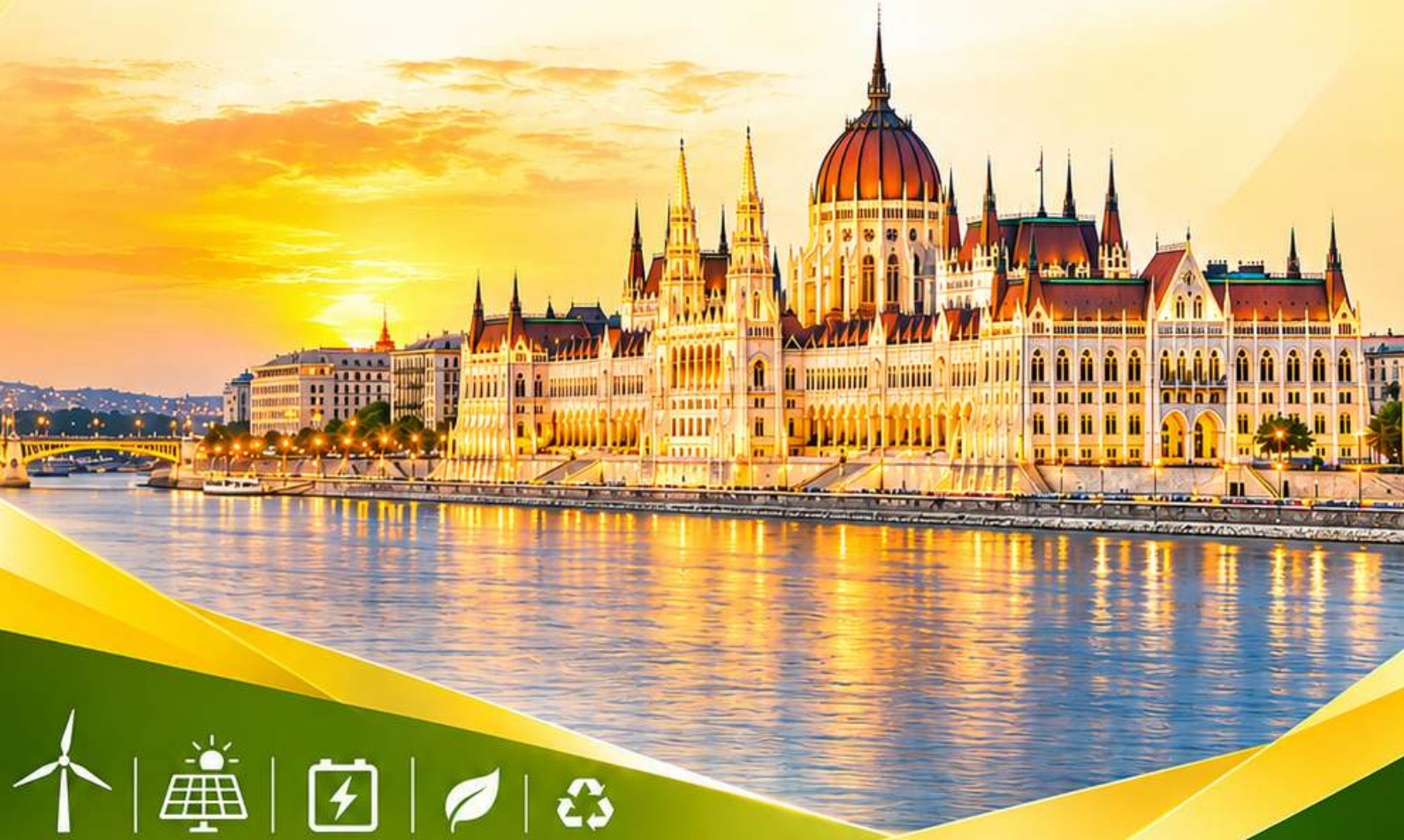
2nd WORLD CONGRESS ON RENEWABLE ENERGY, SMART SYSTEMS, AND SUSTAINABLE POWER TECHNOLOGIES



Theme:

Sustainable Power Technologies for a Net-Zero Future

OCTOBER 21–22, 2027 | **BUDAPEST, HUNGARY**



SUB THEMES

- Next-Generation Renewable Energy Systems
- Advanced Solar, Wind, and Hybrid Power Technologies
- Smart Grids and Intelligent Energy Networks
- Breakthrough Energy Storage and Battery Innovation
- Sustainable Nanomaterials: Advanced Solutions for Industry and Environment
- Hydrogen Economy and Power-to-X Technologies
- Digital Transformation of Energy Systems
- Sustainable Power Infrastructure and Smart Cities
- Clean Energy for Electric and Autonomous Mobility
- Clean Energy Markets, Policy, and Global Investment
- Climate-Resilient and Sustainable Energy Solutionst-Zero Technologies and Deep Decarbonization

WHY TO ATTEND?

What you take

Attending Energy World 2027 offers a valuable opportunity to connect with experts in sustainable power technologies, explore emerging trends in renewable energy and net-zero solutions, and gain insights into cutting-edge innovations. It also supports professional growth by strengthening technical expertise, expanding skill sets, and fostering collaborations that advance careers in the clean energy sector.

02
02 Day
Conference

12+
INNOVATIVE
FEATURED SPEAKERS

20+
HOURS OF
NETWORKING
EVENTS

60+
INTERNATIONAL
SPEAKERS

125+
EDUCATIONAL
SESSIONS

WHO SHOULD ATTEND?

- Renewable Energy Professionals
- Power Systems Engineers
- Energy Scientists and Researchers
- Academicians and Students
- Grid and Utility Experts
- Energy Policy Makers and Regulators
- Sustainability and Climate Experts
- Energy Economists and Analysts
- Clean Energy Entrepreneurs
- Startups and Innovators
- Energy Utilities and Power Companies
- Renewable Energy Companies
- Smart Grid and Digital Energy Firms
- Energy Infrastructure Developers
- Electric Mobility and EV Industries
- Government and Public Sector Organizations
- Energy Associations and Training Institutes
- Hydrogen and Clean Fuel Companies

WELCOME MESSAGE



Jan Weiland

Lehigh University, Bethlehem, USA

Dear Esteemed Researchers, Industry Leaders and Innovators,

It is our distinct honor and pleasure to invite you to the 2nd World Congress on Renewable Energy, Smart Systems, and Sustainable Power Technologies (Energy World 2027), a premier global platform where innovation meets opportunity and where the future of energy is shaped not only by science, but by powerful business transformation, taking place on October 21 – 22, 2027, in Budapest Hungary

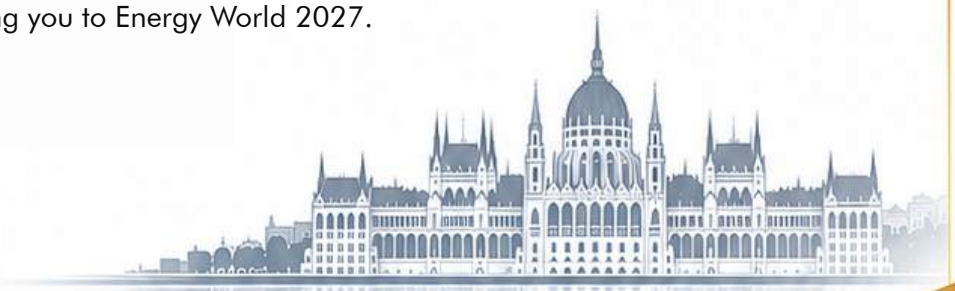
Today, renewable energy is no longer just an environmental priority it has become one of the fastest-growing and most promising sectors in the global economy. With trillions of dollars being invested worldwide, rapid technological breakthroughs, strong government incentives, and increasing corporate commitments to sustainability, the renewable energy market is creating unprecedented opportunities for industries, investors, entrepreneurs, and policymakers alike.

Energy World 2027 will bring together leading researchers, industry pioneers, technology developers, investors, and decision-makers to exchange insights, showcase innovations, and build strategic partnerships that accelerate both technological progress and commercial success.

This prestigious congress will focus on advancing collaboration across key areas including renewable, or extremely long lasting, energy systems, smart power technologies, energy storage markets, digital energy transformation, sustainable infrastructure and decarbonization strategies, and next-generation power solutions designed to support a net-zero emission global energy production. Sustainability in a growing world population including taking nonlinear effects into account. Research including Micro and Nano scales. Through inspiring keynote sessions, distinguished speaker talks, strategic industry panels, technical presentations, and powerful networking opportunities, participants will gain valuable insights into emerging trends, investment landscapes, market growth potential, and transformative technologies shaping the next era of energy business.

We sincerely look forward to welcoming you to Energy World 2027.

Jan Weiland,
Lehigh University, Bethlehem, USA



WELCOME MESSAGE



Hirotaka Haga

University of Nagasaki, Japan

Dear Esteemed researchers, research institutions, corporate representatives, technology developers, and policymakers

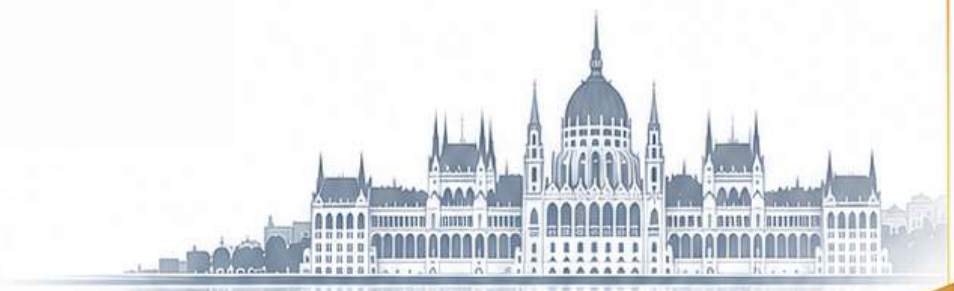
We sincerely look forward to welcoming you to the **2nd World Congress on Renewable Energy, Smart Systems, and Sustainable Power Technologies (Energy World 2027**).

I participated online in Energy World 2026 held in **Amsterdam, The Netherlands**, in the Virtual Presentation category (the Scientific Program as the virtual event). I had the wonderful opportunity to present our research alongside many speakers from Japan and around the world who shared their insights on renewable energy, smart systems, and sustainable power technologies. I would like to express my heartfelt gratitude to everyone involved in Energy World 2026 for planning, preparing, and organizing the conference, as well as to all the presenters and participants.

This conference provides a valuable opportunity to learn about cutting-edge research and technological developments—such as renewable energy and decarbonization strategies—from countries around the world with diverse backgrounds, deepen our understanding, and explore potential policy decisions and business opportunities, while also meeting and connecting with colleagues from around the globe who come from diverse backgrounds.

We sincerely look forward to welcoming you to Energy World 2027 in Budapest, Hungary— one of the world's most beautiful cities, often referred to as the "Pearl of the Danube."

Hirotaka Haga,
University of Nagasaki, Japan



PRESENTATION FORUM

01

KEYNOTE FORUM / MINI-PLENARY SESSIONS

Presentations under Keynote Forum or Mini-Plenary Sessions includes abstracts with remarkable research value selected by the program committee. These significant speeches are delivered by globally recognized honorable speakers and it is open to all registrants.

DISTINGUISHED SPEAKERS FORUM (ORAL ABSTRACT SESSIONS)

02

In this forum, speakers and experts of the research field gets an opportunity to showcase their noble research work that involves comprehensive research findings. These formal oral presentations include a wide range of talks covering basic research to advanced research findings in accordance to the theme and scientific sessions of the conference.

03

STUDENT FORUM / POSTER SESSION

This session is particularly introduced to encourage more number of student participation at international conferences, however it is not restricted only to students since it is also available for the participants with language barrier. There are specific guidelines to be followed to prepare the poster. Poster topic should be selected only from relevant scientific sessions with in-depth technical details.

YOUNG INVESTIGATORS FORUM

04

An exclusive opportunity for students and young investigators to present their research work through a formal oral presentation. Young Investigators Forum provides a global platform for young researchers and scholars to showcase their valuable contribution to the scientific world and to get acknowledged by the global scientific community of experts. It is an excellent opportunity to recognize young scientific assets with promising research ideas. These oral presentations are of shorter time duration with 10-15 minutes of informative and precise presentations in relevant scientific sessions.

05

EDUCATIONAL WORKSHOPS/RESEARCH WORKSHOPS/ CORPORATE WORKSHOPS/MINI- SYMPOSIA

With an aim of transferring knowledge among the participants, workshops are introduced as a part of international conferences. These interactive and occasionally practical sessions gives an opportunity for participants to engage in detail discussion. Workshops are mostly scheduled for 60 to 90-minutes. It may range from learning about a specific topic relevant to international education, products and research which sometimes involves practical demonstration. It helps in enhancing skills, knowledge and understanding of the research field in depth through interactive discussions.

06

HIGHLIGHTS OF THE DAY SESSIONS

"Highlights of the Day Sessions" is introduced to discuss and focus a ray upon previous day ORAL ABSTRACT presentations by experts to summarise the key findings. It helps in getting better insights into the various dimensions of the topic.

07

MEET THE PROFESSOR @ NETWORKING SESSIONS

This session involves open discussion between the experts and session attendees, it gives enough time for getting answers to specific questions and doubts. It is an opportunity for attendees to increase their professional networking, sometimes also leads to an excellent collaboration opportunity.

08

EDUCATIONAL SESSIONS/ TRAINING PROGRAMS

Educational Sessions or training programs are specifically designed for a better understanding of the latest findings and technologies. These are generally 45-minute sessions that gives an exposure to the multidisciplinary field, that provides in-depth learning experiences and address educational needs.

ACADEMIC REGISTRATIONS

01

Speaker Registration

COMBO A
(Registration + 2 Night Accommodation)

COMBO B
(Registration + 3 Night Accommodation)

Delegate Registration

BUSINESS REGISTRATIONS

02

Speaker Registration

COMBO A
(Registration + 2 Night Accommodation)

COMBO B
(Registration + 3 Night Accommodation)

Delegate Registration



STUDENT REGISTRATIONS

03

Registration

YIF

COMBO A
(Registration + 2 Night Accommodation)

COMBO B
(Registration + 3 Night Accommodation)

Posters

ADDITIONAL REGISTRATIONS

04

Accompanying Person

E-Poster

Virtual Presentation

Workshops

Start-Ups

REGISTER & PARTICIPATE

ENERGY WORLD 2027

CONCURRENT EDUCATIONAL SESSIONS

THURSDAY - OCTOBER 21, 2027

- Renewable & Clean Energy Systems
- Solar Photovoltaic Technologies

- Floating Solar Systems
- Wind Energy and Wind Technologies
- Hybrid Renewable Energy Systems

GROUP PHOTO | COFFEE BREAK

- Bioenergy and Biomass
- Waste-to-Energy Technologies
- Geothermal Energy Systems

- Marine and Tidal Energy
- Smart Grids & Power Systems
- Microgrids and Distributed Energy Resources

LUNCH BREAK

- Power Electronics for Renewable Integration
- Grid Stability and Reliability
- Cybersecurity in Power Systems

- AI and Machine Learning in Power Systems
- Digitalization of Energy Systems
- IoT Applications in Energy

GROUP PHOTO | COFFEE BREAK

- Advanced Battery Technologies
- Grid-Scale Energy Storage

- Long-Duration Energy Storage
- Thermal Energy Storage Systems
- Hydrogen Production and Storage

CONCURRENT EDUCATIONAL SESSIONS

FRIDAY - OCTOBER 22, 2027

- Fuel Cell Technologies
- Sustainable Power & Energy Efficiency
- Energy-Efficient Buildings

- Smart Cities and Energy Systems
- Energy Management Systems
- Industrial Energy Optimization

GROUP PHOTO | COFFEE BREAK

- Energy Transition, Policy & Future Systems
- Decarbonization Pathways
- Net-Zero Energy Systems

- Carbon Capture, Utilization and Storage
- Circular Economy
- Energy Policy and Regulation

LUNCH BREAK

- Climate-Resilient Energy Systems
- Electric Mobility and Charging Infrastructure

- Vehicle-to-Grid Technologies
- Future Power System Technologies

GROUP PHOTO | COFFEE BREAK

GLIMPSES INTO

OUR PAST CONFERENCES









GLIMPSES INTO

OUR PAST CONFERENCES









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HONORING DISTINGUISHED SPEAKERS

@ OUR PAST CONFERENCES



MEET THE PROFESSOR SESSIONS

@ OUR PAST CONFERENCES





















YOUNG RESEARCHER SESSIONS

@ OUR PAST CONFERENCES





















BOOK LAUNCHES

@ OUR PAST CONFERENCES







WE LOVE & SUPPORT

NANOTECHNOLOGY CONFERENCES



NETWORKING... CONFERENCING... FOSTERING

Attending a Conference isn't all about Learning and Networking

DISCOVERING

A right choice of conference destination is an important aspect of any international conference and keeping that in consideration, **Energy World 2027** is scheduled in the Beautiful city 'Budapest'.

BUDAPEST

Budapest, the capital city of Hungary, is one of the most beautiful and historically rich destinations in Europe. Situated along the banks of the River Danube, the city is famous for its magnificent architecture, stunning bridges, thermal baths, and vibrant cultural atmosphere. Budapest was formed in 1873 through the unification of three historic towns: Buda, Pest, and Óbuda.

The city is divided into two main sides by the Danube River. Buda, located on the western bank, is known for its hills, historic castles, and peaceful surroundings. Pest, on the eastern bank, is famous for its lively streets, shopping areas, restaurants, and impressive landmarks. The iconic Chain Bridge connects these two sides and offers spectacular views, especially at night.

One of Budapest's most remarkable attractions is the Hungarian Parliament Building, an architectural masterpiece situated beside the Danube. Other popular landmarks include Buda Castle, Fisherman's Bastion, St. Stephen's Basilica, and Heroes' Square. Visitors can also enjoy relaxing experiences at the city's famous thermal baths, such as Széchenyi Thermal Bath. Budapest is also known for its rich cultural heritage, traditional Hungarian cuisine, beautiful music, and exciting nightlife. Popular local dishes include Goulash, Chicken Paprikash, and traditional Hungarian pastries.



Castel Sant'Angelo



Budapest Danube River Cruise



Gellért Hill



Heroes' Square



Fisherman's Bastion

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https://energyworld.peersalleyconferences.com

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