



The 12th International Conference on New Energy and Future Energy Systems (NEFES 2027)

Theme: Intelligent Energy Storage, Smart Grid and Low-Carbon Industrial Applications

August 17-20, 2027
Hannan University
Osaka, Japan



NEFES 2027 Invitation

The 12th International Conference on New Energy and Future Energy Systems (NEFES 2027), organized by Hannan University, will be held on August 17–20, 2027 at Hannan University, Osaka, Japan.

As an annual flagship academic event, NEFES has run successfully for 11 consecutive editions since 2016. Consistent with the conference theme *Intelligent Energy Storage, Smart Grid and Low-Carbon Industrial Applications*, NEFES 2027 will continue to provide a global exchange platform for researchers, engineers, industry experts and students working on renewable energy, energy storage, smart power systems and low-carbon engineering.

It is our great pleasure and honor to extend a warm invitation to you to join us for NEFES 2027 in Osaka, Japan. We look forward to welcoming you in August 2027!

Contact Us

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E-mails: nefes@intergridconf.org

Website: <https://www.intergridconf.org/>

WeChat



Website



Conference Program

Date	Schedule
August 17th	Registration
August 18th	Opening Ceremony, Keynote Speeches, Poster and Parallel Oral Presentations
August 19th	Oral Presentations & Award Banquet
August 20th	Poster Presentations

Important Dates

Submission Due: May 31st, 2027

Early Registration Due: June 10th, 2027

Venue

NEFES 2027 will be held at
Hannan University 阪南大学
Website:

<https://www.hannan-u.ac.jp/english/>

Address: Main Campus, 5-4-33 Amamihigashi Matsubara, Osaka Japan 580-8502



Topics of Interest

Topics include, but are not limited to:

- ◆ Advanced energy storage technologies (batteries, supercapacitors, thermal storage)
- ◆ Hydrogen energy production, storage and application systems
- ◆ Photovoltaic, wind power and renewable energy generation technology
- ◆ Smart grid, microgrid operation and power electronic conversion
- ◆ Demand response, energy management and optimal dispatch
- ◆ Industrial energy saving, low-carbon manufacturing and waste energy utilization
- ◆ Carbon capture, utilization and storage (CCUS)
- ◆ Artificial intelligence & big data applications in energy systems
- ◆ Energy materials, energy equipment reliability and fault diagnosis
- ◆ Energy policy, energy market and sustainable energy planning

Paper Publication



Unpublished and original papers are encouraged to submit via the Online Submission System. The accepted papers will be published on NEFES 2027 Conference Proceedings in **IET Conference Proceedings** (indexed by Ei Compendex and Scopus).

Participation Types

- ◆ Submit an abstract: for Oral/Poster Presentations
- ◆ Submit a full paper: for publication as well as for oral or poster presentation
- ◆ E-mail to the committee: for joining as an audience
- ◆ Submit a CV: for joining as a reviewer

Presentation Time

Types of Presentation	Allotted Time
Keynote Speech	35 mins
Invited Presentation	20 mins
Oral Presentation	15 mins
Poster Presentation	2 hours

Notes: An abstract is enough for oral or poster presentation.

Submit an abstract or a full paper via the [Online Submission System](#).

Conference Committee

Conference General Chair



Prof. Yoshihiro Hamaguchi
Hannan University

Technical Program Committee Chair



Prof. Chih-Huang Weng
I-Shou University

Technical Program Committee

Dr. Shahrouz Abolhosseini, Petroleum Ministry of Iran, Iran
Dr. Ismail Baklouti, National School of Engineers of Monastir, University of Monastir, Tunisia
Dr. Jovana Forcan, University of East Sarajevo, Bosnia and Herzegovina
Prof. Miodrag Forcan, Faculty of Electrical Engineering, University of East Sarajevo, Bosnia and Herzegovina
Prof. Hu Jiang, Innovation Academy for microsatellites of CAS, China
Prof. Houpei Li, Hunan University, China
Dr. Claudia Masselli, University of Naples Federico II, Italy
Dr. Ilyès Nouicer, Research Center in Mechanics (RCM), Algeria
Dr. Robert Pécsi, Technical University of Civil engineering Bucharest, Romania
Dr. M. S. Prabhu, Saveetha Engineering College, India
Prof. Smita Shrivastava, St. Aloysius Institute of Technology, India
Prof. Kamaljyoti Talukdar, Department of Mechanical Engineering, Dhemaji Engineering College, India
Prof. Jiming Wen, Harbin Engineering University, China
Prof. Romeu Manuel Vieira Vitorino, Department of Electrical Engineering, University of Leiria and West, Portugal

Find more via <https://www.intergridconf.org/TPC>

Registration

Registration Type	Early Registration (Before June 10)	Late Registration (After June 10)
Regular Participant	USD 600	USD 700
Student/Listener	USD 500	USD 600

Registration Fee Entitlements:

- Conference materials
- Access to all technical sessions
- Lunches on August 18-19 & Award Banquet
- Coffee break on August 18-19

Conference History



NEFES 2016

Aug. 19-22, 2016
Beijing, China



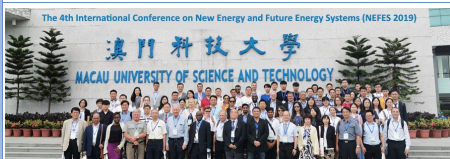
NEFES 2017

Sept. 22-25, 2017
Kunming, China



NEFES 2018

Aug. 21-24, 2018
Shanghai, China



NEFES 2019

July 21-24, 2019
Macao, China



NEFES 2020-2022

Online Conference



NEFES 2023

Nov. 21-24, 2023
Matsue, Japan



NEFES 2024

July 21-Aug. 1, 2024
Győr, Hungary



NEFES 2025

July 21-24, 2025
Matsue, Japan



NEFES 2026

July 7-10, 2026
Macao, China

About Organizer



NEFES 2027 is organized by
Hannan University

Hannan University is a private university in Matsubara City, Osaka Prefecture, Japan. Founded in 1951 and chartered as a university in 1965, it has around 5,000 undergraduates across two campuses: the Main Campus in Matsubara and the Abeno Harukas Campus in Osaka's Tennoji District. Rooted in its founding mission to "cultivate internationally-minded human resources for the modern economy," it blends Osaka's long-standing commercial heritage with a global outlook.

Explore Osaka

Osaka, the capital of Osaka Prefecture in Japan's Kansai region, lies on the Yodo River delta facing Osaka Bay to the west. Its favorable location has long established it as a hub for commerce, trade and cultural exchange. Boasting diverse attractions ranging from historic castles and ancient temples to modern skyscrapers and world-class theme parks, Osaka features must-see spots grouped by category below for your travel planning.



Osaka Castle



Shitennoji Temple



Tsutenkaku Tower



Osaka Museum of History



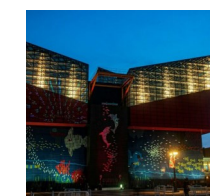
Nakanoshima Museum of Art



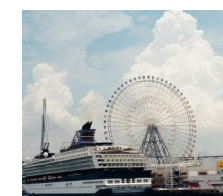
Umeda Sky Building



Universal Studios Japan



Osaka Aquarium Kaiyukan



Tempozan Ferris Wheel