AIGS 2027

Artificial Intelligence, Green Energy and Sustainability



CALL FOR PAPER

2027 International Conference on Artificial Intelligence, Green Energy and Sustainability

8–9 April 2027
Okinawa, Japan

50th Anniversary Memorial Hall
University of the Ryukyus (Faculty of Engineering)

AIGS 2027 invites researchers, engineers, academics, industry professionals, and graduate students to submit original research contributions in artificial intelligence, energy systems, intelligent engineering, digital technologies, and sustainability. The conference provides an international forum for presenting recent research results, exchanging technical knowledge, and discussing practical solutions for intelligent, resilient, efficient, and sustainable systems.

CONFERENCE TRACKS & TOPICS

Artificial Intelligence and Machine Learning
Machine learning, deep learning, generative AI, computer vision, predictive analytics, optimization, and AI applications in engineering and

Green and Renewable Energy
Solar PV, wind energy, hydrogen, fuel cells, bioenergy, hybrid systems, renewable forecasting, energy efficiency, energy management and energy optimization.

Smart Grids, Energy Storage and Power Systems
Smart grids, microgrids, storage systems, DER, renewable integration, EVs, demand response, and power-system operation and control.

Intelligent Engineering, Automation and Robotics
Robotics, autonomous systems, automation, digital twins, predictive maintenance, smart manufacturing, and cyber-physical systems.

Sustainability, Climate and Green Technologies
Sustainable engineering, climate mitigation and adaptation, decarbonization, circular economy, environmental, and sustainable cities.

Internet of Things, Digitalization and Smart Systems
IoT, smart sensors, edge and cloud computing, digital transformation, cybersecurity, data analytics, and connected intelligent systems.

KEYNOTE SPEAKERS



Prof. Tomonobu Senjyu
University of the Ryukyus
Okinawa, Japan



Prof. Marc A. Rosen
Ontario Tech University
Ontario, Canada



Prof. Katja A. Rösler
Ruhr West University of Applied Sciences,
Germany



Dr. Mir Sayed Shah Danish
Research and Education Promotion Association
California, USA

IMPORTANT DATES

- Submission Deadline
  31 January 2027
- Acceptance Notification
  Rolling basis by 28 February 2027
- Early Bird Registration Deadline
  10 March 2027
- Late Registration Deadline
  5 April 2027
- **8 – 9 April 2027** (Conference Day)

SUBMISSION INFORMATION

Submission Categories
Abstract, Full Research Paper, Short Paper, Work-in-Progress, Extended Abstract, and Poster

Originality
Submitted work is required to be original, unpublished, and not under consideration for publication elsewhere at the time of submission.

Submission Portal
www.aigs-jp.org/submission.html

PUBLICATION & INDEXING

Accepted manuscripts will be considered for publication subject to peer-review results, editorial requirements, presentation, and final publication arrangements.

TECHNICAL SESSIONS

IEEE SEIES Technical Session
A focused technical session is planned as part of the conference program.

IEEE SEIES

IEEE

ORGANIZED BY
Research and Education Promotion Association (REPA), California, USA

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IN COOPERATION WITH
Faculty of Engineering, University of the Ryukyus (Conference Venue)

琉球大学
University of the Ryukyus

MORE INFORMATION
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Artificial Intelligence • Green Energy • Smart Grids • Intelligent Engineering • Sustainability • Smart Systems