

IFEEC 2021

IEEE International Future Energy Electronics Conference

Hybrid Meetings

Taipei, Taiwan | November 16-19, 2021



The IEEE International Future Energy Electronics Conference, IFEEC 2021, as a biannual event, continues its traditions to bring together academicians, students, researchers and practicing engineers from all over the world to present emerging topics on electronic technologies for future energy applications.

Papers of practical importance are solicited in the following areas:

1. Power Conversion Technologies

- 1.1 AC-DC Converters
- 1.2 DC-DC Converters
- 1.3 Wireless Power Transfer
- 1.4 Multi-level Converters
- 1.5 Power Electronics for Utility Interface
- 1.6 Energy Harvesting
- 1.7 Advanced Control for Power Converters

2. Renewable Energy and Applications

- 2.1 PV Systems
- 2.2 Wind Power Systems
- 2.3 Hydro and Ocean Power Generations
- 2.4 Distributed Energy Systems
- 2.5 Fuel Cell Technologies

3. Transportation Electrification

- 3.1 Electric and Hybrid Electric Vehicles
- 3.2 Power Electronics for Aircrafts
- 3.3 Electrified Ships
- 3.4 On-Board Chargers
- 3.5 V2G Applications
- 3.6 Peripherals/Supports

4. Motor Drives

- 4.1 Electric Machines
- 4.2 AC and DC Motor Drives
- 4.3 Sensor and Sensor-less Control
- 4.4 Modeling and Control
- 4.5 Drive-Integrated Motors

5. Devices and Components

- 5.1 Power Module and Package
- 5.2 GaN Devices and Applications
- 5.3 SiC Devices and Applications
- 5.4 Magnetic Materials and Components
- 5.5 Passive Components
- 5.6 Power ICs

6. Smart-Grid Technologies

- 6.1 Green Energy and Smart Grid for Buildings
- 6.2 DC and Micro-grids
- 6.3 Solid-State Transformers
- 6.4 Power Generation, Transmission and Distribution
- 6.5 Energy Storage Systems and Applications
- 6.6 Advanced Metering

7. Emerging Technologies

- 7.1 Portable Power
- 7.2 Power Electronics for Biomedical Applications
- 7.3 Advanced Lighting and Display Technologies
- 7.4 Others

Call for Papers

IMPORTANT DATES

July 15

~~June 30~~, 2021

Digest submission deadline

August 1, 2021

Acceptance notification

September 1, 2021

Final paper submission

Accepted and presented manuscripts at the conference will be indexed in IEEE Xplore Digital Library. Best Papers Awards will be granted at the Conference.

Digests Submission: Prospective authors are requested to submit a digest no longer than four (4) pages, single column, single-spaced, summarizing the proposed paper. The digest should include key equations, figures, tables and references as appropriate, but no author names or affiliations. **Digests not conforming to these requirements will be rejected without review.** The digests must clearly state the objectives of the work, its significance in advancing the state of the art, and the methods and specific results in sufficient detail. All digests will go through a double-blind peer review process to ensure confidentiality and fair review. Please refer to the conference website for a detailed list of technical topics and the digest submission method.