

# 4<sup>th</sup>

SINGAPORE  
NOVEMBER  
25-28

# IEEE INTERNATIONAL FUTURE ENERGY ELECTRONICS CONFERENCE IFEEC 2019



Organizers

## Call for Papers

The 4th IEEE International Future Energy Electronics Conference (IFEEC 2019), 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. Multilevel converters                | 5. Transportation electrification         |
| 1.1 Solid-state transformers            | 5.1 Electric and hybrid electric vehicles |
| 1.2 Medium voltage converters           | 5.2 Aircraft power systems                |
| 1.3 Neutral point clamped inverters     | 5.3 Shipboard power systems               |
| 1.4 Multilevel modulation techniques    | 5.4 V2G and V2H                           |
| 2. Renewable energy technologies        | 6. Charging technologies                  |
| 2.1 PV power conversions                | 6.1 Wireless charger                      |
| 2.2 Wind power generations              | 6.2 DC fast charger                       |
| 2.3 Geothermal power generations        | 6.3 On-boarding charger                   |
| 2.4 Hydro and ocean power generations   | 6.4 Bidirectional chargers                |
| 3. Smart and micro grids                | 7. Devices and components                 |
| 3.1 Interconnect standards compliance   | 7.1 WBG devices                           |
| 3.2 Smart and micro grid control issues | 7.2 Gate drives                           |
| 3.3 DC distribution systems             | 7.3 High frequency magnetics              |
| 3.4 Grid modernization issues           | 7.4 New passive components                |
| 4. Electric machines and drives         | 8. Power electronics applications         |
| 4.1 High speed motor drives             | 8.1 Home appliances                       |
| 4.2 Specialty motor drives              | 8.2 Induction cooking and heating         |
| 4.3 Motion control techniques           | 8.3 Lighting technologies                 |
| 4.4 Magnetic bearing                    | 8.4 Energy storage technologies           |

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

Deadline for submission of full paper is 15 May, 2019  
Authors will be notified of acceptance no later than 15 July, 2019  
Final paper manuscripts are due no later than 15 September, 2019



# Organizing Committee

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# Instructions

All Authors presenting the papers shall receive a Certificate of Participation.

Preparation of Full Paper: Prospective authors of technical papers are asked to submit a full paper of their planned presentation. Authors are requested to register for an account at the [Submission Portal](#) to upload the full paper (in PDF format). Please include details of the primary contact and presenter.

Full Paper template links: [Word format - A4](#) . [US Letter](#)

All authors should obtain company and governmental clearance prior to submission of the Full Paper. Full Papers will be sent to multiple reviewers; therefore, "Confidential" and "Proprietary" information should be omitted. Please note that papers presented at IFEEC 2019 must be original material and not have been presented at previous conferences or previously published. Manuscripts not received by the deadline above may not be published in the Proceedings and will not be presented at the conference. Finished manuscripts should not exceed eight (8) pages.

A peer review process will be used to evaluate all papers submitted for consideration. Anyone interested in becoming a reviewer is encouraged to email: [ifeec2019@ntu.edu.sg](mailto:ifeec2019@ntu.edu.sg) The principal criterion in reviewing papers for acceptance will be the usefulness of the presentation to the practicing power engineering professional. The reviewers value evidence of completed experimental work.