



# CALL FOR PAPERS

## 12<sup>th</sup> Power Electronics, Drive Systems, and Technologies Conference (PEDSTC 2021)

2-4 February 2021 – University of Tabriz, Tabriz, Iran

It is our great pleasure to welcome you to the 12<sup>th</sup> Annual **Power Electronics, Drive Systems, and Technologies Conference (PEDSTC)**. The 12<sup>th</sup> PEDSTC will be held on 2–4 February 2021 in beautiful and historic city of Tabriz, Iran. The PEDSTC 2021, as the continuation of Annual Power Electronics, Drive Systems, and Technologies Conference series will be held at the Faculty of Electrical and Computer Engineering, University of Tabriz, as the top-ranked and second-oldest university of Iran.

The main purpose of 12<sup>th</sup> International Power Electronics, Drive Systems and Technologies Conference (PEDSTC 2021) is to create an opportunity for bringing together world-class academic scientists, leading engineers, industry researchers and scholar students to exchange and share their experiences and research results about all aspects of power electronics and electrical drives.

The PEDSTC 2021 is technically co-sponsored by **IEEE Iran Section** and **Power Electronics Society of IRAN (PELSI)** ([www.pelsi.org](http://www.pelsi.org)). All accepted papers are expected to be included in **IEEE Xplore** and indexed by EI.

The PEDSTC 2021 (<https://pedstc2021.tabrizu.ac.ir/>) is Iran's largest gathering of Power Electronics Engineering professionals and the most important forum for the latest research advances and practices in the field. The PEDSTC 2021 offers something for everyone, including the followings:

- ❖ Competitions for best Research Paper, Advanced Practices Paper, Student Paper
- ❖ Technical workshops
- ❖ Exhibitor workshops and application seminars featuring presentations by the preeminent technologists from our exhibitors, explaining the technology behind their products

**Paper Submission:** Authors are invited to submit technical papers describing original work in the areas of Power Electronics and Drive Systems. Topics of interest

include, but are not limited to:

- New Converter Topologies
- Design and Optimization of Power Electronics Converters
- Technical Requirements and Challenges
- Power Supplies
- Power Quality, EMC, Filtering and PFC
- Power Electronics in Electrical Energy, Generation, Transmission, and Distribution
- Power Electronics for Renewable Energy Systems
- New Industrial Applications of Power Electronics Converters
- Control of Power Converters
- Reliability of Power Electronics Converters
- Fault Tolerant Design of Power Electronics Converters
- Applications of Power Electronics Converters in Smart Grids
- Power Semiconductor Devices
- Battery Chargers
- Wireless Power Transmissions
- Machine Design and Drives
- Motors and Drives for Electrified Transportation
- High Power AC Drives

The deadline for submission has been extended until 10 November 2020, 11:59PM. Papers will be evaluated on the basis of originality, content, clarity, and relevance to PEDSTC.

**Special Sessions:** Special sessions provide the opportunity to focus in detail on particular emerging topics, which are not covered in the conference's main technical tracks, and/or to represent a specific progressive area where researchers would like to meet and discuss advances.

If you are interested to organize a special session, please send the proposal in the provided template and email to the Special Session Co-chairs at [pedstc2021@tabrizu.ac.ir](mailto:pedstc2021@tabrizu.ac.ir) not later than 22 August 2020, 11:59PM. The proposal needs to include the following information:

- Title of the Special Session
- Brief description of the area of concern (approx. 100 words) with special focus on why we should believe this is an interesting and significant topic.
- The name and contact information of TWO or more special session organizers who are willing to promote and organize a sufficient amount of quality submissions to the special session.

### Secretarial Office:

Faculty of Electrical and Computer Engineering, University of Tabriz, Tabriz, Iran, Zip: 51666-15813

Tel & Fax: (+98) 41 33300846

Email: [pedstc2021@tabrizu.ac.ir](mailto:pedstc2021@tabrizu.ac.ir)



## PAPER SUBMISSION INSTRUCTIONS:

1. Submissions should be in English language.
2. Authors must adhere to the format provided in the template, which can be downloaded from <http://pedstc2021.tabrizu.ac.ir>.
3. Authors must submit the paper at <http://pedstc2021.tabrizu.ac.ir> by 11:59PM on 10 November 2020. Late submissions will not be considered.

The submission may be 5 pages, must be in **PDF** and **Word** formats. Hardcopy and email submissions are not accepted. A maximum of 2 additional pages are allowed with applying a charge for each additional page.

**Notification:** Authors will be notified of the decision by 21 December 2020 via the email address(es) provided with the paper submission. For accepted papers, an electronic version of the final manuscript (5 pages, to be published in the Conference Proceedings) must be submitted by 1 January 2021. All accepted papers are expected to be included in IEEE Xplore and indexed by EI.

**Workshops:** Topics being considered for these areas include Conference Topics. Proposals must be received by 21 December 2020.

## International Advisory Board:

- Dr. Kamal Al-Haddad, École de Technologie Supérieure, Montréal, Québec, Canada
- Dr. Sertac Bayhan, Qatar Environment and Energy Research Institute, Doha, Qatar
- Dr. Frede Blaabjerg, Aalborg University, Denmark
- Dr. Carlo Cecati, University of L'Aquila, Italy
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- Dr. Atif Iqbal, Qatar University, Qatar
- Dr. Hadi Y. Kanaan, Saint-Joseph University of Beirut, Lebanon
- Dr. Hasan Komurcugil, Eastern Mediterranean University, Cyprus
- Dr. Emil Levi, Liverpool John Moores University, United Kingdom
- Dr. Marco Liserre, Christian-Albrechts-Universität zu Kiel, Germany
- Dr. Kai Sun, Tsinghua University, China
- Dr. Jens Bo Holm-Nielsen, Aalborg University, Esbjerg, Denmark
- Dr. Sanjeevikumar Padmanaban, Aalborg University, Esbjerg, Denmark
- Dr. Jose Rodriguez, Universidad Andres Bello, Chile

## Conference Organizing Committee:

- Conference Chair: Dr. MirReza Majidi
- Conference-General Chair: Dr. Ziaddin Daie Kuzekanani
- Technical Program Committee Chairs: Dr. Ebrahim Babaei, Dr. Kouzou Abdellah
- Executive Committee Chair: Dr. Amir Aminzadeh Ghavifekr
- Sites Preparation Chair: Dr. Alireza Sokhandan
- Publication Chair: Dr. Kazem Varesi
- Workshops Chair: Dr. Mehrdad Tarafdar Hagh, Dr. Davood Arab Khaburi
- Technical Meetings Chair: Dr. Mohammad Bagher Banna Sharifian

- International Relations Chair: Dr. Mohamadreza Zolghadri
- Special Session Chair: Dr. Saeid Ghassemzadeh
- Industry Relations & Fairs Chair: Dr. Naghi Rostami

## Important Dates:

- Extended until 10 November 2020

### PAPER SUBMISSION DEADLINE

All submissions must be made electronically.

- 22 August 2020 (Saturday)

### SPECIAL SESSION PROPOSAL DEADLINE

All submissions must be made electronically.

- 21 December 2020 (Monday)

### WORKSHOP PROPOSALS DEADLINE

- 21 December 2020 (Monday)

### PAPER DISPOSITION

Authors will be notified by email.

- 1 January 2021 (Friday)

### FINAL MANUSCRIPT SUBMISSION DEADLINE

Manuscript of accepted papers.

- 21 January 2021 (Thursday)

### WORKSHOP NOTES SUBMISSION DEADLINE

Electronically upload workshop notes to Workshop Organizers.

- 2-4 February 2021 (Tuesday-Thursday)

### CONFERENCE DAYS

- 1 January 2021 (Friday)

### REGISTRATION DEADLINE

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