

19th International Symposium on Power Electronics Ee 2017, Novi Sad, Serbia

First Announcement & Call for Papers

Novi Sad, Serbia October 19th - 21th, 2017



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CALL

Symposium will be held in **Novi Sad, Serbia on 19th - 21th Oct. 2017**

We are inviting you to participate in the symposium and with your paper contribute to development of power electronics. The purpose of the symposium is to provide a forum for presentation and discussion of the state-of-art of Power electronics and related areas. Submitted papers should not have been previously published and should present theoretical or experimental research results as well as results of application of developed methods in engineering practice, presentation of engineering solutions and devices, practical experience in power electronic devices exploitation etc.

All papers will be reviewed and accepted papers will be published in symposium proceedings - Book of Abstracts and USB Memory. Official language of the symposium is English.

HARD & SOFT Student teams competition for the most successful electronics hardware design and performance will be organized.

Prof. Vladimir Katić, Conference Chair

University of Novi Sad, Novi Sad, Serbia,

Prof. Emil Levi, Technical Chair

Liverpool John Moores University, Liverpool, U.K.

Prof. Aleksandar Prodić, Publication Chair

University of Toronto, Toronto, ON, Canada

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40. Prof. dr Jožef Varga, Advanced Engineering School, Subotica, Serbia
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43. Academician Prof. dr Slobodan Vukosavić, University of Belgrade and Serbian Academy of Sciences and Arts, Belgrade, Serbia
44. Prof. dr Miloš Živanov, University of Novi Sad, Novi Sad, Serbia

TOPICS

1. Power converters and devices

- New technologies and components
- Integrated devices and modules
- Drivers
- Development, realization and application of rectifiers, inverters, choppers and other converters
- Converters for DC and AC power supplies (DC/DC, UPS...), maintenance of accu-batteries etc
- Converters for compensation of reactive power, machine excitation etc.
- Analysis, modeling and simulation of converters
- Converters in development

2. Automotive and Industrial Electrical drives

- Development and realization of electrical drives
- Drives for electrical vehicles and traction
- Multi-motor drives
- Analysis, modeling and simulation of drives
- Drives in development
- Industrial drives applications

3. Electrical machines

- Construction
- Analysis, modeling and simulation
- Protection, supervision and diagnostics
- Testing, exploitation and repair
- Special electrical machines

4. Control and measurement

- Control of converters and systems
- Digital control in power electronics

- Electronic measurement systems
- Measurement methods and transducers
- Control of industrial processes
- Computer application (CAD, CAM...)
- Communication systems, supervision and diagnostics
- Modeling and simulation of industrial processes, estimation and identification
- Techniques of control in development

5. Power electronics in telecommunications

- Communications power supplies
- Electromagnetic compatibility, EMI, ecology
- Systems for energy accumulation (batteries, flywheel etc.)
- Reserve power supplies

6. Power quality

- Power electronic converters and power quality
- Harmonic compensation and power factor improvement
- EMC
- Analysis, modeling and simulation

7. Renewable & distributed energy sources

- Power electronics application in RES
- Power electronics devices in wind and solar plants
- Power electronics in hybrid RES
- Energy storage
- Application of PE in small hydros and other RES
- Role of PE in Micro grids and distributed energy sources

Venue

The 19th International Symposium on Power Electronics is organized by Power Electronics Society of Serbia, Faculty of Technical Sciences-University of Novi Sad and Institute "Nikola Tesla" Belgrade. It will be held on the

19th – 21th Oct. 2017 at the University of Novi Sad, NOVI SAD, SERBIA



Submission of papers

Prospective authors are invited to submit a full paper (up to six pages of A4 including figures, tables, references etc.). Each paper should be prepared according to the Ee Paper Guidelines (template). All papers will be blind reviewed by three independent reviewers. Accepted papers will be available through IEEE Xplore, provided that they are presented at the conference.

All summaries should be submitted using ON-LINE conference system.

Deadlines

Submission of full paper: May 14, 2017
Notification of acceptance: July 2, 2017
Receipt of full paper: September 17, 2017

Information

Ee 2017 - Secretariat

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