



# 19th International Symposium on Power Electronics Ee 2017, Novi Sad, Serbia Second Announcement & Call for Papers

Novi Sad, Serbia  
October 19<sup>th</sup> - 21<sup>th</sup>, 2017

CALL

[www.dee.uns.ac.rs](http://www.dee.uns.ac.rs)

Symposium will be held in

**Novi Sad, Serbia on 19<sup>th</sup> - 21<sup>th</sup> 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.

## Keynotes



**Prof. Dushan Boroyevich**  
VPEC, USA



**Prof. Drazen Dujic**  
EPEL, CH



**Prof. Dragan Maksimovic**  
CoPEC (USA)



**Dr. Victor Levi**  
UM (U.K.)



**Dr. Jovan Knezevic**  
BMW (GER)

## Invited Plenary Paper Sessions



**Prof. Ion Boldea**  
UPT (RO)



**Prof. Frede Blaabjerg**  
AAU (DK)



**Prof. Pavol Bauer**  
TU Delft (NL)

## Panel Session



Organized by  
**Dr.-Ing. Jan Meyer**  
TUD, GER



Participants  
**Dr Sasa Djokic**  
UE, U.K.



Participants  
**Prof. Jovica Milanovic**  
UM, U.K.



Participants  
**Prof. Igor Papic**  
ULJ, SLO

## TOPICS

### 1. Power Converters and devices

(Drazen Dujic, drazen.dujic@epfl.ch, École polytechnique fédérale de Lausanne, Switzerland)

- 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

(Vanja Ambrozic, vanjaa@fe.uni-lj.si, University of Ljubljana, Slovenia)

- 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

(Mario Pacas, pacas@uni-siegen.de, Universitaet Siegen, Germany)

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

### 4. Control and measurement

(Radu Bojoi, radu.bojoi@polito.it, Politecnico di Torino, Italy)

- 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

(Predrag Pejovic, peja@etf.rs, University of Belgrade, Serbia)

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

### 6. Power quality

(Pavol Bauer, p.bauer@ewi.tudelft.nl, Delft University of Technology, The Netherlands)

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

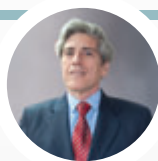
### 7. Renewable & distributed energy sources

(Mario Duran, mjduran@uma.es, University of Malaga, Spain)

- 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

## Chairs

**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



## 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

**19<sup>th</sup> – 21<sup>th</sup> 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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IEEE – Serbia and Montenegro Section, BELGRADE  
IEEE –Joint Chapter IAS/IES/PELS, NOVI SAD



IEEE Power Electronics Society, USA



EPE Association



ECPE European Center for Power Electronics



IEEE Industrial Electronics Society.



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