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**RELATED SCIENTIFIC EVENTS:**

The ISPS'18 Technical Programme will be round by two Tutorials  
Additional fee (for ISPS'18 participants) of 20 EUR include refreshment and the Tutorial materials.

**Social Programme**

ISPS'18 Welcome Party on 29 August, 2018  
ISPS'18 Social Dinner on 30 August, 2018  
Prague Exursion on 30 August, 2018

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*14th INTERNATIONAL SEMINAR ON POWER SEMICONDUCTORS*

## **ISPS 2018**

*Prague, 29 August - 31 August 2018*

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<b>Organised by</b>	<b>IET Czech Network in co-operation with the IEEE Czechoslovakia Section</b>
Co-sponsored by	Faculty of Electrical Engineering, Department of Electro technology, Czech Technical University in Prague
Technical sponsor	ECPE European Center for Power Electronics e.V.
Conference website	<a href="http://technology.feld.cvut.cz/ISPS2018">http://technology.feld.cvut.cz/ISPS2018</a>

### **BACKGROUND**

The 14th International Seminar on Power Semiconductors (ISPS 2018) provides a forum for technical discussion in the area of the power semiconductor devices and their applications. It is a small conference with the special flair of an atmosphere of searching deeper insight and intensive discussion.

### **AREAS OF INTEREST**

- Power semiconductor devices (materials, physics, modelling, technology, diagnostics)
- Packaging, advanced device applications, reliability

Papers oriented in the field of power semiconductors are supposed to be presented in sessions:

- Device Physics and Technology
- Power Bipolar Devices
- Voltage Controlled Power Devices
- Wide Bandgap Power Devices
- Power Integration
- Advanced Applications
- Packaging, Reliability & modelling.

A round table discussion oriented on topical problems of research and education in the field of power semiconductors will be organised in the framework of the Seminar.

### **WORKING LANGUAGE**

The working language on the seminar is English. It will be used in the printed material, presentations and discussion.

### **PUBLICATION**

Presented papers will be published in the seminar proceedings, which will be distributed at the Seminar registration. We are delighted to announce that the best papers presented at the conference will be invited for consideration in a Special Issue focused on the ISPS 2018 event in IET Power Electronics journal.

**ORGANISING COMMITTEE**

**Chairman: Prof Vít#zslav Benda, FIET**

Members:

- Dr Vít#zslav Je#ábek, MIET,
- Dr Martin Molhanec,
- Dr Ladislava #erná,
- Dr Pavel Hrzina

**PAPER SUBMISSION**

A summary of 300-500 words (maximum two pages including figures and tables) is required for review. It should be uploaded in an electronic form (.doc or .pdf files) to the ISPS 2018 EasyChair conference system: <https://easychair.org/conferences/?conf=isps20180> before 30 April 2018.

**ISPS 2018 Organising Committee**

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**INTERNATIONAL PROGRAMME COMMITTEE**

**Chairman:**

- Prof Nando Kaminski, University of Bremen, GER

**Co-chairmen:**

- Prof Sankara N. Ekanath Madathil, University of Sheffield, GBR
- Prof Pavel Hazdra, Czech Technical University in Prague, CZE
- Prof Josef Lutz, Chemnitz University of Technology, GER

**Members:**

- Prof Vít#zslav Benda, Czech Technical University in Prague, CZE
- Prof Merlyne De Souza, University of Sheffield, GBR
- Dr David Flores, CNM-CSIC Barcelona, ESP
- Dr David Green, Silvaco, GBR
- Dr Reinhard Herzer, Semikron, GER
- Prof Andrea Irace, University of Naples, ITA
- Dr Masayasu Ishiko, Toyota Central R&D Labs, JPN
- Prof Wai Tung Ng, University of Toronto, CAN
- Dr Václav Papež, Czech Technical University in Prague, CZE
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- Dr Wataru Saito, Toshiba, JPN
- Dr Hans-Joachim Schulze, Infineon, GER
- Prof John Shen, Illinois Institute of Technology, USA
- Dr Ritu Sodhi, Empower Semiconductor, IND
- Prof Ninoslav Stojadinovi, University of Niš, SRB
- Prof Jan Vobecký, ABB, SUI
- Prof Gerhard Wachutka, Munich University of Technology, GER
- Prof Bo Zhang, UESTC, CHN

**PRELIMINARY SCHEDULE**

**Deadline for submission of summaries...30 April 2018**

Notification of acceptance.....31 May 2018

Receipt of final paper in camera-ready form.31 July 2018

**REGISTRATION FEE**

The registration fee of approximately 300 EUR will cover the cost of the seminar, documentation, proceedings, refreshments and social program.

**VENUE**

Prague, the capital of the Czech Republic, lies on the 50th northern parallel in the very heart of Europe. It has more than 1,200,000 inhabitants. For a thousand years, Prague has been the seat of Czech kings, emperors and presidents. Prague's history goes back to the 9th century. The River Vltava flows through Prague, with 10 islands and 18 bridges within the city. Known as "Mother of Cities" and "Golden Prague", it has more hills than Rome and over 500 spires.



A count of Prague's culturally significant buildings comes to more than 2,000 and the city has 27 permanent theatres, 16 museums and 130 galleries. As a university town since 1348, Prague has 8 institutes of higher education, where almost 55,000 students now study at 37 faculties.

The origin of the Czech Technical University dates back to 1707, when the Austrian Emperor Joseph I established the Czech Institute of Engineering Education, reorganized in 1806 as the Prague Polytechnic. Electrical Engineering as an independent course has been taught at the Czech Technical University since the 1884/85 academic year. A separate Department of Electrical Engineering was established in 1891/92. The separate Faculty of Electrical Engineering has existed since 1950. It has conferred more than 26,000 Electrical Engineer degrees and 1,500 PhD degrees to students from many countries.