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13th INTERNATIONAL SEMINAR ON POWER SEMICONDUCTORS

ISPS 2016

Prague, 31 August - 2 September 2016

Organised by IET Czech Network in co-operation with the IEEE Czechoslovakia Section
Co-sponsored by Faculty of Electrical Engineering, Department of Electrotechnology, Czech Technical University in Prague
Conference website <http://technology.feld.cvut.cz/ISPS2016>

BACKGROUND

The 13th International Seminar on Power Semiconductors (ISPS'16) 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, modeling, 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.

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 2016 event in [IET Power Electronics journal](#).

WORKING LANGUAGE

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

ORGANISING COMMITTEE

Chairman: Prof. Vitezslav Benda, FIET

Members: Petr Cesak, MSc., Dr. Karel Künzel, Dr. Martin Molhanec, Ludmila Miksovska

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'16 [EasyChair conference system](#)** before **11 May 2016**.

ISPS'16 Organising Committee

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INTERNATIONAL PROGRAMME COMMITTEE

Chairman:

- Prof. Sankara N. E kkanath Madathil, University of Sheffield, UK

Co-chairmen:

- Prof. Josef Lutz, Chemnitz University of Technology, GER
- Prof. Pavel Hazdra, Czech Technical University in Prague, CZE

Members:

- Prof Vít#zslav Benda, Czech Technical University in Prague, CZE
- Prof Merlyne De Souza, University of Sheffield, UK
- Dr David Flores, CNM-CSIC Barcelona, ESP
- Dr Masayasu Ishiko, Toyota Central R&D Labs, JPN
- Prof Nando Kaminski, University of Bremen, GER
- Prof Zbygniew Lisik, University of Lodz, POL
- Dr. Ing. habil. Reinhard Herzer, GER
- Prof Wai Tung Ng, University of Toronto, CAN
- Dr Vaclav Papez, Czech Technical University in Prague, CZE
- Dr Sameer Pendharkar, Texas Instruments, USA
- Dr Hans-Joachim Schulze, Infineon, GER
- Prof Siegfried Selberherr, TU Wien, AUT
- Prof Ninoslav Stojadinovic, University of Nis, SRB
- Prof Jan Vobecky, ABB, SUI
- Prof Gerhard Wachutka, Munich University of Technology, GER
- Prof John Shen, Illinois Institute of Technology, USA
- Dr Ritu Sodhi, Empower Semiconductor, INDIA
- Dr David Green, SILVACO, UK
- Prof Bo Zhang, UESTC, China
- Prof Heinrich Schlangenotto, GER
- Dr Munaf Rahimo, ABB, Switzerland
- Dr W. Saito, Toshiba, Japan
- Prof Andrea Irace, University of Napoli, Italy

SCHEDULE

Deadline for submission of summaries: **11 May 2016**

Notification of acceptance: **3 June 2016**

Receipt of final paper in camera-ready form: **17 July 2016**

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, reorganised 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 1500 Ph.D. degrees to students from many countries.