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Ee 2019



International Symposium on
POWER ELECTRONICS Ee 2019
Novi Sad, Serbia

Novi Sad, Serbia, October 23th - 26th, 2019

Venue: University of Novi Sad - Central Building, Novi Sad, Serbia

PROGRAM (Preliminary):

IEEE PELS/IES/IAS Jt. Chapter Meeting:

23. Oct. 2019. (Wednesday):

10:00h - 10:45h: Prof. KRISHNA SHENAI, Distinguished lecturer of the IEEE PELS
University of Chicago, Chicago, Illinois, USA

"Reliability of Compact Power Systems"

10:45h – 11:00h: *Refreshment*

11:00h – 11:45h: Prof. PETAR GRBOVIC, Distinguished lecturer of the IEEE PELS
University of Innsbruck, Innsbruck, Austria

"Multi-Cell & Multi-Level Power Converters -A Way to Go Beyond the Limits of Si"

Ee 2019 TUTORIALS:

23. Oct. 2019. (Wednesday):

12:00h – 15:00h: *Tutorials Registration* // *Hard&Soft - Student Competition (Preliminaries)*

13:00-13:30h *OPENING - Tutorials // Hard&Soft Student Competition*

13:30-18:00h Tutorial 1 - Mr. Darko Vračar,

HUAWEI Technologies Dusseldorf GmbH, Munich, Germany
**"Development of power electronics` systems - From blank sheet to mass
production and beyond"**

(Refreshment in hall)

13:30-18:00h Tutorial 2 - Prof. Drazen Dujic and Stefan Milovanovic

Power Electronics Laboratory – PEL, Swiss Federal Institute of Technology
– EPFL, Lausanne, Switzerland

"Modular Multilevel Converters – Operating Principles and Applications"

(Refreshment in hall)

18:30-20:30h *BEER PARTY (NS Craft Beers)*

Ee 2019 CONFERENCE:

24. Oct. 2019. (Thursday):

09:00-18:30h Registration desk

// Hard&Soft Student Competition

09:30-10:00h OPENING

10:00-10:40h Key Note 1 - Prof. Dr. Seddik Bacha
Grenobles Alpes University / G2Elab and Supergrid Institute,
Grenoble/Lion, France

“The renewables integration via HVDC grids”

10:40-11:20h Key Note 2 - Dr. Michail Vasiladiotis
ABB Switzerland, Turgi, Switzerland

“Highly efficient and robust direct modular multilevel converters for grid-connected applications”

11:20-11:30h Refreshment

11:30-12:00h Invited 1 - Dr. Ki-Bum Park

ABB Corporate Research, Baden-Daettwil, Switzerland

“Spread spectrum modulation for LCL grid-tied converter”

12:00-12:30h Invited 2 - Dr. Sasa Djokic

School of Engineering, University of Edinburg, Edinburg, Scotland, U.K.

“Non-Fourier fundamental components for the mitigation of waveform distortions”

12:30-13:30h LUNCH

13:30-15:00h INDUSTRY SESSION/Presentations

15:00-16:30h T1.1 // T4.1 (2x6 papers)

16:30-16:45h Refreshment

16:45-18:30h T1.2 // T7.1 (2x7 papers)

18:30-20:30h WELCOME RECEPTION

25. Oct. 2019. (Friday):

09:00-18:30h Registration desk

// Hard&Soft Student Competition

09:30-10:30h T1.3 // T2.1 (2x4 papers)

10:30-11:10h Key Note 3 – Prof. Dr. Marc Hiller
University of Karlsruhe, Karlsruhe, Germany

“Requirements for highly dynamic PHIL converter systems”

11:10-11:20h Refreshment

11:20-12:00h Key Note 4 – Asst.Prof. Dr. Miroslav Vasic,

Universidad Politecnica de Madrid, Madrid, Spain

“Demystifying power GaN devices: theory and application”

12:00-12:30h INVITED 3 - Dr. Eckhard Thal

Mitsubishi Electric Europe, Ratingen, Germany

“Evolution of high-power SiC modules”

12:30-13:30h LUNCH

13:30-15:00h PANEL SESSION - TBA

15:00-16:30h T1.4 // T6.1 (2x6 papers)

16:30-16:45h Refreshment

16:45-18:00h T1.5 // T3.1 (2x5 papers)

19:30-22:30h GALA DINER

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26. Oct. 2019. (Saturday):

08:00-13:00h Registration desk

// Hard&Soft Student Competition

10:00-11:00h T1.6 // T3.2 (2x4 papers)

11:00-11:30h INVITED 4 - Prof. Jozef Varga

Wolong – Sever, Kecskemet, Hungary

“New indirect measurement procedure for determining regulation characteristics of the synchronous machine”

11:30-11:40h Refreshment

11:40-12:20h Key Note 5 - Prof. Dr. Johann W. Kolar

PES Lab., Swiss Federal Institute of Technology, ETH, Zurich, Switzerland

“A new generation of three-phase PWM rectifier concepts”

12:20-13:00h Key Note 6 - Dr. Ing. Dusan Graovac

Infineon Technologies, Neubiberg, Germany

“Mega trends of automotive electronics and their Influence on semiconductors, power electronics and drives”

13:00-13:30h CLOSING Session

13:30-15:00h Hard&Soft Student Competition – FINAL

Organized by:



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