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1. EPE 2016 ECCE Europe



The 18th European Conference on Power Electronics and Applications (and Exhibition) will take place in Karlsruhe, Germany, from 5 to 9 September 2016.

EPE'16 ECCE EUROPE in Karlsruhe will take place at the heart of current technological developments of power electronics and drives. Germany's industry covers the full range from components to systems and applications, from semiconductors and packaging to manufacturers of converters, motors and complete drive systems. We are looking forward to exchange best practices and new ideas with invited experts from industry in keynotes and industrial sessions on the conference's focal topics (semiconductor components, energy transition and electro-mobility).

We are very pleased to welcome you to Karlsruhe, to exchange new ideas and shape the future!

More information about EPE'16 ECCE Europe: <http://www.epe2016.com>

Conference dates:

Monday, September 5

Tuesday 6, Wednesday 7 and Thursday 8 September

Friday, September 9

Tutorials

Conference Sessions

Technical Visits

Tutorials:

The EPE'16 ECCE tutorials are organized on Monday 5 September at the KIT University:

T1	State-of-the-Art Permanent Magnet Synchronous Motor Control Methods in Automotive Traction, Applications Considering Thermal Influences	Dr.-Ing. Wilhelm Peters, M.Sc. Oliver Wallscheid, Prof. Dr.-Ing. Joachim Böcker Paderborn University Department of Power Electronics and Electrical Drives	Morning
T2	Industry Best Practices in Reliability Prediction and Assurance for Power Electronics	Craig Hillman, PhD, DfR Solutions; Prof. Dr. E. Wolfgang, ECPE	full day
T3	Marine Microgrids, Control, Optimization, Power Quality and the Role of Power Electronics	Prof. Tomasz Tarasiuk, Gdynia Maritime University, Poland Prof. Josep M. Guerrero, Aalborg University, Denmark Dr. Shantha Gamini, Australian Maritime College, Univ. of Tasmania, Australia	Morning
T4	Advanced Position/Speed Sensorless Control Strategies for AC Motor Drives	Dianguo Xu, Gaolin Wang, School of Electrical Engineering and Automation, Harbin Institute of Technology, Nangang District, Harbin, Heilongjiang, China	Afternoon
T5	BOOSTING THE ENERGY EFFICIENCY IN RF POWER AMPLIFIERS	Miroslav Vasić, Óscar García, José A. Cobos, Universidad Politécnica de Madrid, Centro de Electrónica Industrial (CEI)	Afternoon

T6	Simulating Power Electronics Converters Using MATLAB/SimPowerSystems The Right Balance between Performance and Fidelity	Pierre Giroux, Research Scientist, Hydro-Québec Research Institute (IREQ) Gilbert Sybille, Research Scientist, IREQ Patrice Brunelle, Research Scientist, IREQ Christian Dufour, Research Scientist, OPAL-RT	Afternoon
T7	Power Circuits for Clean Switching and Low Losses	Dr. Reinhold Bayerer, Infineon Technologies AG, Germany	full day or Morning?
T8	Advanced Modelling and Simulation of Power Electronic Systems	Niklaus Felderer, Min Luo, Felix Prauße, Orhan Toker; Application and software engineers, Plexim GmbH	full day

Technical visits:

The EPE'16 ECCE technical visits are organized on Friday 9 September:

Tour 1 - Manufacturers of Motion:

Baden-Württemberg, the southwestern state of Germany, is well known for automation and transportation industry. On this tour, we will first visit SEW-Eurodrive in Bruchsal, a famous manufacturer of electrical machines and drive solutions. In the afternoon, we will explore the Daimler plant in Rastatt, where Mercedes cars are built.

Tour 2 - Facets of the KIT:

The Karlsruhe Institute of Technology (KIT) is the fusion of the former University of Karlsruhe and the Karlsruhe Research Center. This unique institution offers a wide range of state-of-the-art research in many disciplines. On this tour, we will visit the three sites of the KIT and join interesting and fascinating presentations and experiments.

Tour 3 - Black Forest - Nature and Technology:

This tour will guide us first to the Schwarzenbach dam, where a guide will show and explain the dam and the power plant. A short hike to a nearby lake leads to an authentic black forest restaurant. The tour will be concluded with a visit of Bosch in Bühl, where small electric machines are built. Suitable shoes and a good state of health are required for this tour.

EPE'16 ECCE Europe exhibition:

A major goal of EPE 2016 ECCE is to enable the presentation and discussion of developments in the field of Power Electronics, with attendees coming from all over the world. A characteristic trend from previous EPE ECCE Europe conferences has been an increasingly large industrial participation, which allows enhanced exchanges between academics and people from industry.

We expect for this edition +/- 800 delegates and a lot of sponsors & exhibitors.

Therefore, do not miss the opportunity to present your activities, services and/or products at the EPE'16 ECCE Exhibition.

Daimler is the EPE'16 Gold Sponsor:



Mersen & SEW Eurodrive are Silver Sponsors:



Plexim, MathWorks and ROHM semiconductor are Contributor Sponsors:



They are joined by the following exhibitors:

ADMESSE Elektronik, AMS Technologies, CALTEST Instruments & Cinergia, CEDRAT, CST-Computer Simulation Technology, DEWESoft, dSPACE, ECPE, FuG Elektronik, GaN Systems, GvA Power Electronics & Fuji Electric Europe, HF Instruments & IWATSU & PMK, imperix, J-Lasslop & ZES Zimmer, Leclanché Capacitors & FT Cap & SRT Microcéramique, Magna-Power, Mesago-PCIM, Opal-RT, Powersys (PSIM), SP Control Technologies, teknoCEA / CITCEA – UPC, Teledyne LeCroy, Thales Microelectronics, Triphase, Typhoon HIL, Yokogawa.

Contact for the exhibition at EPE'16 ECCE: mireille.vankeerberghen@epe-association.org

2. PEMD 2016, 19 – 21 April 2016, Glasgow, UK



The 8th IET international conference on Power Electronics, Machines and Drives (PEMD™ 2016) will take place from 19 to 21 April 2016, in Glasgow, United Kingdom.

PEMD carries a prestigious past and present reputation, bringing together 400+ international power electronics, machines and drives specialists to focus on the latest developments in the technologies and applications of electrical drives, machines and power electronic systems.

The last conference, held in 2014, attracted over 400 engineers from 40 countries, making PEMD the ideal opportunity to share your latest research and results with the international industry.

More information about PEMD: <http://conferences.theiet.org/pemd/>

Save £100! As a supporter of the conference, EPE Association members can register at the IET Member rate.

3. ECPE: Calendar of Events 2016

Date	Location	Event	Topic
6 – 7 April 2016	Delft, Netherlands	ECPE Tutorial	'Power Semiconductor Devices & Technologies' Chairman: Prof. D.Silber (University of Bremen)
25 – 26 April 2016	Berlin, Germany	ECPE Lab Course	'EMC Optimised Design (Parasitics in Power Electronics)' Course Instructor: Prof. E. Hoene (Fraunhofer IZM)
6 – 7 June 2016	Nuremberg, Germany	ECPE Tutorial	'EMC in Power Electronics' Chairmen: Prof. E. Hoene (Fraunhofer IZM), Prof. J-L Schanen (G2ELab)

For the [ECPE Calendar of Events 2016](http://www.ecpe.org) with all ECPE Workshops and Tutorials please visit the ECPE website www.ecpe.org

4. Future EPE ECCE Europe and Technically Sponsored conferences

2016:

- APEC 2016, 20-24 March 2016, Long Beach, California, US: <http://www.apec-conf.org/>
- IPENC 2016 - ECCE Asia in Hefei, China from 22-25 May 2016: <http://www.ipenc2016.org/>
- EPE 2016 ECCE EUROPE, 5-9 September 2016, Karlsruhe, Germany: <http://www.epe2016.com/>
- ECCE North America, 18-22 September 2016, Milwaukee, US: <https://ieee-collabratec.ieee.org/app/event/35489>

2017:

- EPE 2017 ECCE EUROPE, 11-14 September 2017, Warsaw, Poland: <http://www.epe2017.com/>

