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1. [EPE'19 ECCE Europe, Genova, Italy, 2-6 September 2019](http://www.epe2019.com/)

- Call for papers : **New deadline Wednesday 5 December**

Make sure to upload your best synopsis on www.epe2019.com or directly on <https://it.cborg.info/EPE2019/index.html>

- Exhibition : Plan your participation

Already confirmed:

Contributor:

- Plexim GmbH

Exhibitors :

- ECPE European Center for Power Electronics e.V.
- EGSTON Power Electronics GmbH
- HIOKI Europe GmbH
- imperix ltd
- Mathworks – Speedgoat GmbH
- OMICRON Lab
- OPAL - RT Europe

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- Hotels : make sure to book your room on time to enjoy the best possible rate :

<https://www.cbgenova.it/en/events-57/epe-2019-ecce-europe.html>

2. SEMIKRON Innovation Award and the Young Engineer Award

The **SEMIKRON Innovation Award** and the **Young Engineer Award** which have been initiated and are donated by the SEMIKRON Foundation are given for outstanding innovations in projects, prototypes, services or novel concepts in the field of power electronics in Europe, combined with notable societal benefits in form of supporting environmental protection and sustainability by improving energy efficiency and conservation of resources.

SEMIKRON Foundation is awarding the prizes in cooperation with the European ECPE Network. With the awards the SEMIKRON Foundation wants to motivate people of all ages and organisations of any legal status to deal with innovations in power electronics, a key technology of the 21st century, in order to improve environmental protection and sustainability by energy efficiency and conservation of resources.

The SEMIKRON Innovation and Young Engineer Prizes will be awarded in the frame of the ECPE Annual Event in March 2019 in Erding/Munich. A single person or a team of researchers can be awarded.

Ø SEMIKRON Innovation Award includes prize money of EUR 10.000,00.

Ø SEMIKRON Young Engineer Award* includes prize money of EUR 3.000,00.

* for researchers who have not yet completed their 30th year of age.

The selection procedure for the prize winners is organised in cooperation with ECPE European Center for Power Electronics e.V.. The submitted proposals will be passed to an independent and neutral evaluation committee of experts for discussion and assessment. To apply for the SEMIKRON Awards own applications as well as proposals from third parties are welcomed.

Please send your proposal resp. your application with the reference 'SEMIKRON Innovation Award' by email to Thomas Harder, General Manager of ECPE e.V., thomas.harder@ecpe.org.

The deadline for submission ends on 15.01.2019. The receipt of your proposal will be confirmed by email.

For details please click [here](#) or see the award announcement and call for proposals enclosed.

3. ECPE: Calendar of Events 2018-2019

Date	Location	Event	Topic
20 - 21 November 2018	Nuremberg, Germany	ECPE Workshop	The Future of Modelling and Simulation in Power Electronics Packaging for Thermal and Stress Management Chairmen: Prof. U. Scheuermann (Semikron), Prof. B. Wunderle (TU Chemnitz)
13 - 14 February 2019	Reutlingen, Germany	ECPE Tutorial	ECPE Tutorial 'Testing and Electrical Characterization of Power Semiconductor Devices' Course Instructor: Prof. I. Kalfass (Univ. of Stuttgart)
14 - 15 February 2019	Lausanne, Switzerland	ECPE Workshop	New Technologies for Medium-Frequency Solid-State Transformers Chairmen: Prof. D. Dujic (EPFL), Prof. J.W. Kolar (ETH Zurich)
19 - 20 February 2019	Lyon, France	ECPE Tutorial	Drivers and Control Circuitry for IGBTs and MOSFETs Chairman: Prof. M. Pfof (TU Dortmund)
26 - 27 February 2019	Graz, Austria	ECPE Tutorial	Wide Bandgap User Training Chairmen: Prof. E. Hoene (Fraunhofer IZM), Prof. N. Kaminski (Univ. of Bremen)
26 - 27 March 2019	Erding / Munich, Germany	ECPE User Forum	ECPE SiC & GaN User Forum Chairmen: Prof. A. Lindemann (Univ. of Magdeburg), Prof. L. Lorenz (ECPE), Dr. P. Friedrichs (Infineon) in conjunction with the ECPE Annual Event

For the information about ECPE Workshops and Tutorials, please visit the ECPE website www.ecpe.org

4. XI INTERNATIONAL CONFERENCE ON ENERGY INNOVATION "INTEGRATION OF BATTERIES AND ELECTRICAL VEHICLES: TOWARDS A MORE FLEXIBLE POWER SYSTEM"

Barcelona, Friday 16th November 2018

ETSEIB. Escola Tècnica Superior d'Enginyeria Industrial de Barcelona, Universitat Politècnica de Catalunya.
UPC BarcelonaTech, Avda. Diagonal 647, 08028 Barcelona

On behalf of CITCEA-UPC, Endesa Red Chair and InnoEnergy MSc. SENSE and MSc. Smart Cities, we are pleased to invite you to the XI International Conference on Energy Innovation "Integration of batteries and electric vehicles: towards a more flexible power system". The installation and appropriate operation of stationary and mobile batteries are promoting flexibility at prosumer side. The conference will explain the technological developments that are enabling the exploitation of flexibility through the connection of batteries and electric vehicles. Real projects will be shown and the topics will be addressed through the vision of the industry and academic experts.

PROGRAMME

8.00 Registration

9.00 Welcome, *Neus Cónsul (Director of ETSEIB, UPC)*

Opening (*CITCEA-UPC*)

9:30 Fast charging to facilitate transition to EV in Catalonia. Will it be enough? *Assumpta Farran (ICAEN)*

9:55 Vehicle to Energy Ring - The experience of steering an islanded energy ring in Expoelectric fair, integrating renewable energy and electric vehicles, *Daniel Heredero (CITCEA-UPC)*

10:20 Employee solar charging stations: a comprehensive energy transition project, *Gil Lladó (AMB)*

10:45 Exploiting flexibility services with Vehicle Grid Integration, *Narcís Vidal (Enel X)*

11:10 Coffee break

11:40 Intelligent Distribution Power Router, *Francesc Girbau (CITCEA-UPC, TeknoCEA, Estabanell Energia)*

12:00 Hybrid energy storage systems for renewable integration in rural grids, *Francisco Díaz (CITCEA-UPC)*

12:20 Large scale battery systems in distribution grids, *Matthias Resch (SINTEF)*

12:40 How to provide flexibility to prosumers, BRPs and DSOs from storage and EV? *Pol Olivella (CITCEA-UPC)*

13:00 Open discussion, *Xavier Farriols (CEEC)*

13:30 Closure, *Xavier Farriols (CEEC)*

14:15 Closure

Register [HERE](#)

5. CIGRE Aalborg 2019 - International Symposium 4th - 7th June

GOING OFFSHORE - CHALLENGES OF THE FUTURE POWER GRID

This symposium is an initiative of Department of Energy Technology of Aalborg University and Cigré Danish National Committee. The transmission grid is both looking at and undergoing major challenges in the future due to integration of renewables and especially offshore wind power plants (OWPP) are a key player in reaching the goals of reducing carbon emission.

The transmission grid faces challenges both with regards to the connection of OWPP as well as in the need for restructuring the grid to operate differently compared to its original layout.

These challenges inherently reside in the fact that no real transmission grid exists offshore. Today's OWPP are point-to-point onshore/offshore lines. Moreover, the choice of technology depends on the technological development and HVDC is foreseen to be able to play a key role in some offshore grid scenarios together with HVAC.

The challenges of the latter are already ongoing. Transmission corridors are updated; new lines are built to accommodate the change in both geographical and timely generation/load patterns as well as the need to operate the system in a fundamentally different way than with large centralized plants close to load centers providing the majority of the power.

On top of that the technical impacts of the ever-ongoing adoption of larger and larger shares of distributed/dispersed generation and the need for changing the distribution system operation leads to new challenges for the structure and operation of the whole energy system which necessitates an overall planning and system operation coordination between distribution and transmission systems. As an example of this more than 50 % of the annual energy produced in Denmark comes from dispersed generation sources which are fed into the distribution system.

Finally; the impact on the environment is a huge factor. Both government decision bodies as well as the public opinion strongly monitor the power industry. To get permission to design and construct renewable plants and the necessary grid infrastructure thorough analysis of environmental impact is crucial.

This symposium intends to share the latest research and real life system experience obtained in the context of the future transmission and distribution grid.

Information: <https://cigreaalborg2019.dk/>

6. Future EPE ECCE Europe and Technically Sponsored Conferences

2019:

- *ICPE 2019 – ECCE Asia, 27-31 May 2019 Busan, Korea (South)*

<http://www.icpe2019.org/>

- *LDIA 2019, 1-3 July 2019 at MICROCITY EPFL Neuchatel, Switzerland*

<https://ldia2019.epfl.ch/>

- *EPE 2019 ECCE EUROPE, 2 - 6 September 2019, Genova, Italy*

<http://www.epe2019.com/>

• 2020:

- *EPE 2020 ECCE EUROPE, 7-11 September 2020, Lyon, France*

• 2021:

- *EPE 2021 ECCE EUROPE, 6-10 September 2021, Ghent, Belgium*

• 2022:

- *EPE 2022 ECCE EUROPE, 5-9 September 2022, Hanover, Germany*

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