



September 2-6, 2019 | Genova, Italy

## Newsletter contents :

- **EPE'19 ECCE Europe, Genova, Italy, 2-6 September 2019:** [click here](#) (Early bird tariffs till 2 July 2019). Register before 2 July to enjoy early the bird registration fee. Make sure to renew your [EPE membership](#) and/or [IEEE/PELS membership](#) on time to enjoy additional discounts!
- Check our Keynotes, tutorials, Industrial forums and technical visits programme and register for these special events!
- Hotel discount rates: DEADLINE 15 June!!
- Co-located events:
  - Second Design Automation for Power Electronics (DAPE) workshop on Friday, September 6, 2019, Genova
  - SLED 2019
- News from our members: New Book: *Electrical Energy Storage for Buildings in Smart Grids*: Benoît Robyns, Arnaud Davigny, Hervé Barry, Sabine Kazmierczak, Christophe Saudemont, Dhaker Abbes, Bruno François
- ECPE: Calendar of Activities
- Future EPE ECCE Europe and Technically Sponsored Conferences
- Your advertisement in this Newsletter? Contact [Brigitte Sneyers](#) for a quote

## 1. [EPE'19 ECCE Europe, Genova, Italy, 2-6 September 2019](#)

<http://www.epe2019.com>

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Do not forget to register for the tutorial of your choice!

**Monday 2 September: Tutorials:** [click here](#)

**Technical programme at-a-glance:** [click here](#)

**Keynotes:** [click here](#)

### **New trends in electric mobility – and a better use of renewables**

Marco Venturini, CEO of Phase Motion Control S.p.A.

### **VSC Conversion Technology for HVDC & FACTS, State of the Art and Future Trend**

Paolo Bordignon, Executive Vice President, R&D Coordination and Technology, Rongxin HUIKO Electric Technology Co.,Ltd

### **Integrated optimal design trends from non propulsive systems to hybrid power train of more electric aircraft**

Xavier ROBOAM, Université de Toulouse, LAPLACE (CNRS/INPT/UPS), Toulouse

**Industrial forum:** [click here](#)

Tuesday 3 September 2019 –16.30 to 18.00

1. GaN Industrial Forum
2. Future challenges for electric vessels and ports: industry prospective

Wednesday 4 September 2019 –16.30 to 18.00

1. SiC Industrial Forum: “From the high end niche to the main stream – cranking up the volume”
2. Recommended Practice for Hardware-in-the-Loop (HIL) Simulation Based Testing of Electric Power Apparatus and Controls

**Friday 6 September : Technical visits: [click here](#)**

Phase and Motion Control S.p.A. – Genova, morning

IIT (Italian Institute of Technology) – Genova, morning

ASG Superconductors SpA – La Spezia Plant, full day

**- Exhibition : Plan your participation: Check for updated information at <http://www.epe2019.com>**

*Already confirmed:*

Contributors:

- *ABB SpA Marine & Ports*
- *MONT-ELE*
- *NIDEC INDUSTRIAL SOLUTIONS*
- *Phase Motion Control S.p.A.*
- *Plexim GmbH*
- *Poseico SpA*
- *Rohde & Schwarz*

Exhibitors:

- *COMER s.r.l.*
- *dSpace*
- *DEWESOFT SRL*
- *ECPE European Center for Power Electronics e.V.*
- *EGSTON Power Electronics GmbH*
- *EUROCONTROL SpA*
- *HIOKI Europe GmbH*
- *imperix ltd*
- *Keysight Technologies*
- *Manitoba Hydro International – PS CAD*
- *Mathworks – Speedgoat GmbH*
- *Mersen*
- *Mitsubishi Electric Europe B.V.*
- *MUECAP GmbH – ICEL s.r.l*
- *National Instruments*
- *OMICRON Lab*
- *OPAL - RT Europe*
- *PCIM Europe*
- *PEM (Power Electronics Measurements) Ltd*
- *Power Design*
- *Powersys*
- *RGM SpA*
- *Typhoon HIL*
- *Yokogawa*
- *ZES Zimmer Electronic Systems GmbH*
- *Zurich Instruments AG*

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**- Hotels : make sure to book your room on time to enjoy the best possible rate DEALINE 15 June!!**

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

## **2. Co-located events**

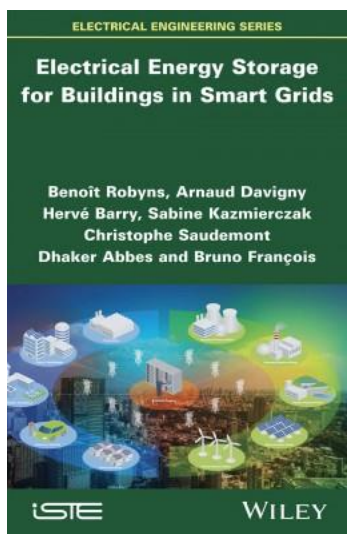
**Second Design Automation for Power Electronics (DAPE) workshop on Friday, September 6, 2019, Genova**

More information on-line: <https://e3da.csce.uark.edu/dape/>

### **SLED 2019**

More information on-line: <https://attend.ieee.org/sled-2019/>

### 3. News from our members



#### New Book: Electrical Energy Storage for Buildings in Smart Grids

**Benoît Robyns, Arnaud Davigny, Hervé Barry, Sabine Kazmierczak, Christophe Saudemont, Dhaker Abbes, Bruno François**

ISBN: 9781848216129

July 2019, 396 pages

#### Summary

Current developments in the renewable energy field, and the trend toward self-production and self-consumption of energy, has led to increased interest in the means of storing electrical energy; a key element of sustainable development. This book provides an in-depth view of the environmentally responsible energy solutions currently available for use in the building sector. It highlights the importance of storing electrical energy, demonstrates the many services that the storage of electrical energy can bring, and discusses the important socio-

economic factors related to the emergence of smart buildings and smart grids. Finally, it presents the methodological tools needed to build a system of storage-based energy management, illustrated by concrete, pedagogic examples.

#### Content

1. Storing Electrical Energy in Habitat: Toward “Smart Buildings” and “Smart Cities”.
2. Energy Storage in a Commercial Building.
3. Energy Storage in a Tertiary Building, Combining Photovoltaic Panels and LED Lighting.
4. Hybrid Storage Associated with Photovoltaic Technology for Buildings in Non-interconnected Zones.
5. Economic and Sociological Implications of SmartGrids.
6. Energy Mutualization for Tertiary Buildings, Residential Buildings and Producers.
7. Centralized Management of a Local Energy Community to Maximize Self-consumption of PV Production.
8. Reversible Charging from Electric Vehicles to Grids and Buildings.

#### Authors

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**Sabine Kazmierczak** is a lecturer at Lille Catholic University, Faculty of Management, Economics and Sciences.

**Christophe Saudemont** is a Professor at HEI-Yncréa Lille and researcher at L2EP.

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[www.wiley.com](http://www.wiley.com)

<http://iste.co.uk>

### 4. ECPE: Calendar of Events 2019

Date	Location	Event	Topic
3 – 4 July 2019	Leinfelden-Echterdingen (near Stuttgart Airport), Germany	ECPE Workshop	<a href="#">Availability of Power Electronics by Fault-Tolerant Designs for Automotive and Aircraft</a> Chairmen: Prof. E. Wolfgang (ECPE), Prof. V. Pickert (Newcastle University), Dr. W. Wondrak (Daimler)
9 – 10 July 2019	Nuremberg, Germany	ECPE Tutorial	<a href="#">Thermal Engineering of Power Electronic Systems - Part I: Thermal Design and Verification</a> Chairman: Prof. U. Scheuermann (Semikron)

15 – 16 Octobre 2019	Nuremberg, Germany	ECPE Tutorial	<b><u>'Thermal Engineering of Power Electronic Systems - Part II: Thermal Management and Reliability'</u></b> Chairman: Prof. U. Scheuermann (Semikron)
6 - 7 November 2019	Barcelona, Spain	ECPE Tutorial	<b><u>'Power Circuits for Clean Switching and Low Losses'</u></b> Chairmen: Dr. R. Bayerer (Physics of Power Electronics)
20 - 21 November 2019	Frankfurt am Main, Germany	ECPE Tutorial	<b><u>'Power Semiconductor Devices &amp; Technologies'</u></b> Chairmen: Dr. A. Mauder (Infineon Technologies)

For the information about ECPE Workshops and Tutorials, please visit the ECPE website [www.ecpe.org](http://www.ecpe.org)

## **5. Future EPE ECCE Europe and Technically Sponsored Conferences**

### **2019:**

- *EMR'19 Summer School, 17 - 19 June 2019, Lille, France*  
<http://www.emrwebsite.org/>
- *LDIA 2019, 1 - 3 July 2019 at MICROCITY EPFL Neuchatel, Switzerland*  
<https://ldia2019.epfl.ch/>
- *PhD Summer School Mont-Soleil, Switzerland, 12 - 16/17 August 2019*  
<https://societe-mont-soleil.ch/en/news-2019/phd-summer-school-mont-soleil-2019>
- *SLED 2019, Torino, Italy, 9 - 10 September 2019*  
<https://attend.ieee.org/sled-2019/>
- ***EPE 2019 ECCE EUROPE, 2 - 6 September 2019, Genova, Italy***  
<http://www.epe2019.com/>
- *Power electronics Ee2019, Novi Sad, Serbia, October 23 - 26, 2019*  
[www.dee.uns.ac.rs](http://www.dee.uns.ac.rs)

### **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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