



September 2-6, 2019 | Genova, Italy

## Newsletter contents :

- **EPE'19 ECCE Europe, Genova, Italy, 2-6 September 2019:** [Click here](#)  
Make sure to renew your [EPE membership](#) and/or [IEEE/PELS membership](#) on time to enjoy discounts!  
**Technical programme available!**
- Check our Keynotes, tutorials, Industrial forums and technical visits and **register for these special events!**
- Hotel discount rates: **DEADLINE 22 July!!**
- Co-located events:
  - Second Design Automation for Power Electronics (DAPE) workshop on Friday, September 6, 2019, Genova
  - SLED 2019
- ECPE: Calendar of Activities
- Future EPE ECCE Europe and Technically Sponsored Conferences
- Your advertisement in this Newsletter? Contact [Brigitte Sneyers](#) for a quote

## Two available PhD positions in Silicon Carbide power electronics at the Norwegian University of Science and Technology (NTNU)

**Applications deadline: 15.08.2019**

### About the positions

The Department of Electric Power Engineering at NTNU has two available positions (100%) as PhD candidates within the field of Silicon Carbide power electronics design. The PhD candidates will work in a 10 MNOK (~1.1 MEur) research project entitled "Adaptive Silicon Carbide Electrical Energy Conversion Technologies for Medium Voltage Direct Current Grids (ASiCC)", which is funded under FRIPRO-program (Young Research Talents) by the Research Council of Norway.

The topics of the two available PhD positions are:

### PhD position 1: "Impact of source and load variations on the switching performance of high-voltage SiC switches"

Details on this position and application portal can be found in:

<https://www.jobbnorge.no/en/available-jobs/job/173025/phd-position-in-power-electronics-impact-of-source-and-load-variations-on-the-switching-performance-of-high-voltage-sic-switches>

And

### PhD position 2: "Design of high-performance digitally-adaptive gate drivers for high-voltage SiC power semiconductor switches"

Details on this position and application portal can be found in: <https://www.jobbnorge.no/en/available-jobs/job/173018/phd-position-in-power-electronics-design-of-high-performance-digitally-adaptive-gate-drivers-for-high-voltage-sic-power-semiconductor-switches>

The prospective candidate will work in the research group Power Electronic Systems and Components (PESC), <https://www.ntnu.edu/iel/groups/pesc#/view/about>.

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

<http://www.epe2019.com>

- *EPE'19 ECCE Europe, Genova, Italy, 2-6 September 2019: [Click here](#)*

Make sure to renew your [EPE membership](#) and/or [IEEE/PELS membership](#) on time to enjoy additional discounts!

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

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

- TUTORIAL N° 1: [GaN Transistors as an Enabler of High-Performance Power Electronics](#) (*Morning*)
- TUTORIAL N° 2: [Design of High efficiency Electric Motors and Power Electronic Drives with Wide Bandgap Devices \(SiC and GaN\)](#) (*Afternoon*)
- TUTORIAL N° 3: [Prospects for Condition Monitoring Implementation in SiC Power MOSFETs](#) (*Full Day*)
- TUTORIAL N° 4: [MMC-based Converters for MVDC Applications](#) (*Full Day*)
- TUTORIAL N° 5: [Smart Battery Pack Solutions with Lithium-ion Batteries](#) (*Full Day*)
- TUTORIAL N° 6: [Insulation and Coordination Design Steps for Medium Voltage Power Electronics Applications](#) (*Afternoon*)
- TUTORIAL N° 7: [Modular high frequency high voltage power supply: architectures, circuit modeling methodologies and output voltage sharing technologies](#) (*Morning*)
- TUTORIAL N° 8: [Model Predictive Control of Power Converters: Principle, Design and Applications](#) (*Full Day*)

**Tuesday 3 – Thursday 5 September - Main Conference Days:**

- *Technical Programme NEWLY AVAILABLE: [Click here](#)*
- *Keynotes: [Click here](#)*
- *Industrial forums: [Click here](#)*

**Friday 6 September - Technical Visits: [Click here](#)**

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

**STILL a few positions available**

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

- OCEM Power Electronics
- OMICRON Lab
- OPAL - RT Europe
- PCIM Europe
- PEM (Power Electronics Measurements) Ltd
- Power Design
- Powersys
- RGM SpA
- SERIGROUP srl
- 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: DEADLINE 22 July!!**

<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. ECPE: Calendar of Events 2019

Date	Location	Event	Topic
19 – 20 September 2019	Birmingham, United Kingdom	ECPE Tutorial	<a href="#">'Passives in Power Electronics: Magnetic Component Design and Simulation'</a>
1 – 2 October 2019	Hanau, Germany	ECPE Tutorial	<a href="#">'Power Electronics Packaging'</a>
9 – 10 October 2019	Hamburg, Germany	ECPE Workshop	<a href="#">'Advanced Power Packaging - Power Modules 2.0'</a>
15 – 16 October 2019	Nuremberg, Germany	ECPE Tutorial	<a href="#">'Thermal Engineering of Power Electronic Systems - Part II: Thermal Management and Reliability'</a> Chairman: Prof. U. Scheuermann (Semikron)
6 - 7 November 2019	Barcelona, Spain	ECPE Tutorial	<a href="#">'Power Circuits for Clean Switching and Low Losses'</a> Chairmen: Dr. R. Bayerer (Physics of Power Electronics)
20 - 21 November 2019	Frankfurt am Main, Germany	ECPE Tutorial	<a href="#">'Power Semiconductor Devices &amp; Technologies'</a> Chairmen: Dr. A. Mauder (Infineon Technologies)
3 – 4 December 2019	Freiburg i.B., Germany	ECPE Workshop	<a href="#">'Power Semiconductors in Medium Voltage Applications - SiC vs. Silicon'</a>

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

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

##### **2019:**

- *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*  
<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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