

The 22nd European Conference on Power Electronics and Applications
EPE'20 ECCE Europe
FULL VIRTUAL | 7 – 11 September 2020

[Register here](#)

NEWSLETTER CONTENTS :

- Virtual EPE'20 ECCE Europe: **Technical programme on-line**
- **Tutorials** on Monday 7 September 2020
- **Our Keynotes**
- **Industrial Forum** on Friday 11 September 2020

What's important:

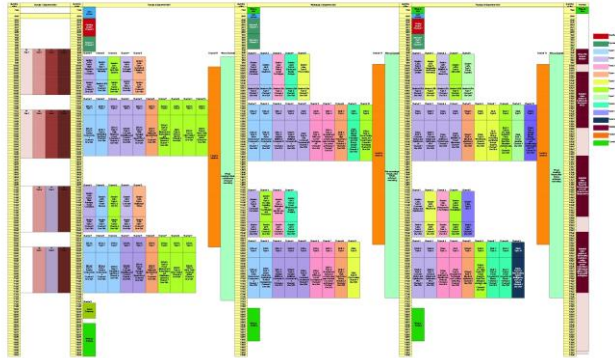
- ✓ The Virtual EPE'20 ECCE Europe Conference will take place during three full days, preceded by a Tutorial-day and followed by an Industrial Forum-day: Book your days between 7 and 11 September 2020 as if you were on business trip: **there is a lot to discover & exchange!**
 - ✓ NEW!! Dialogue sessions with enhanced live discussion opportunities
 - ✓ NEW!! Convenience sessions: These sessions will allow overseas participants to catch up with the conference programme and discussions in case of an important time difference that would prevent attending the sessions at the scheduled time: **Programme at a glance**
 - ✓ NEW!! Academic / Industrial Forum: Panel discussions about technical issues and challenges of three hot topics on Friday 11 September
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1 EPE'20 ECCE Europe: The Provisional Programme is on-line

Our International Scientific Committee gathered at the beginning of February in Brussels and the Technical Programme Schedule has been defined.

You will find the timetable via this link:

<https://epe-ecce-conferences.com/epe2020/technical-programme>



2 Tutorials

Several tutorials will be organised on Monday 7 September 2020:

TUTORIAL N° 1 – Characterization and impact of SiC and GaN on Power Drive Systems (Morning)

- Bernardo Cougo, IRT Saint-Exupery (in Toulouse, France)

TUTORIAL N° 3 – Control of Modular Multilevel Converters for Variable-Voltage Variable-Frequency Applications (Full day)

- Prof. Dr.-Ing. Axel Mertens, Institute for Drive Systems and Power Electronics, Leibniz University Hannover, Hannover, Germany
- Dr.-Ing. Jakub Kucka, Institute for Drive Systems and Power Electronics, Leibniz University Hannover, Hannover, Germany
- Dr.-Ing. Dennis Karwatzki, Siemens AG, Large Drive Applications, Nuremberg, Germany

TUTORIAL N° 4 – Electronic Design Automation and optimization algorithms for the next generation of optimal power converters (Morning)

- Dr. Ing. Timothe Delaforge, Senior researcher Bern University of Applied Sciences, Switzerland

TUTORIAL N° 5 – Model Predictive Control of Power Electronic Systems (Full day)

- Tobias Geyer, ABB Corporate Research, ABB Switzerland Ltd., 5405 Baden-Dättwil, Switzerland
- Petros Karamanakos, Faculty of Information Technology and Communication Sciences, Tampere University, 33101 Tampere, Finland

TUTORIAL N° 7 – Reliability-Oriented Thermal Modelling of Power Electronics Systems (Afternoon)

- Dr. Amir Sajjad Bahman, Center of Reliable Power Electronics (CORPE), Aalborg University, Denmark
- Prof. Francesco Iannuzzo, Center of Reliable Power Electronics (CORPE), Aalborg University, Denmark

3 Our Keynotes

Tuesday 8 September 2020



Keynote 1

“ Roadmap for DC ”

By **Prof.Dr. eng. Pavol Bauer**, Delft University of Technology

Wednesday 9 September 2020



Keynote 2

“ Thomas Edison vindicated – the resurgence of DC in MV and HV power grids ”

By **Colin Davidson**, Consulting Engineer – HVDC, at GE Grid Solutions HVDC Activity



Keynote 3

“ Integration of Electric Mobility in the French public electricity distribution network ”

By **Anne-Sophie Cochelin**, ENEDIS

Thursday 10 September 2020



Keynote 4 – Part 1

“ A critical role for R&I for clean energy for the EU green and digital recovery ”

By **Hélène Chraye**, European Commission, Head of Unit – Clean Energy Transition



Keynote 4 – Part 2

“ The role of collaborative research to support innovation for clean energy transition ”

By **Hubert de La Grandière**, SuperGrid Institute

4 Industrial Forum

Novel power electronics technologies in power systems and transportation

Chairman: Piotr Dworakowski, SuperGrid Institute, France

Schedule: 11th September 2020 – 2 hours session: 1 hour presentations and 1 hour panel discussion

Speakers:

- Astrig Benefice & Eric Lamard, Compagnie Nationale du Rhône, France
 - Frans Dijkhuizen, ABB Power Grids Research, Sweden
 - Michel Mermet-Guyennet, Alstom, France
 - Sebastian Nielebock, Siemens AG, Corporate Technology, Power Electronic Systems, Germany
 - Daniel Radu, Schneider Electric Power Systems Center, France
 - Erwann Mauxion, General Electric Power Conversion, UK
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EMT-studies roadmap to tackle upcoming power transmission challenges at utilities - RTE, TransnetBW and Equinor

Chairman: Hani SAAD, RTE, France

Schedule: 11th September 2020 - 2 hours session: 1 hour presentations and 1 hour panel discussion

Speakers:

- Hani SAAD, National Center of Grid Expertise, RTE, France
 - Kamran SHARIFABADI EQUINOR Chief Engineer
 - Sebastien DENNETIERE, National Center of Grid Expertise, RTE, France
 - Pierre RAULT, National Center of Grid Expertise, RTE, France
 - Simon WENIG, Strategic Network Planning, TransnetBW, Germany
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Hardware-in-the-loop demonstration of non-selective protection systems for meshed HVDC grids

Chairman: Laurent Chédot, SuperGrid Institute, France

Speakers:

Non-selective protection strategies

- Alberto Bertinato: “ Generalities on protection strategies ”
- Pascal Torwelle: “ Converter-Breaker protection Strategy ”
- Philipp Ruffing: “ Full-Bridge MMC-based protection Strategy ”

Hardware-In-the-Loop demonstration

- Antoine Ghyselincx / William Leon-Garcia
“ Scope of the Hardware-In-the-Loop real-time demonstration ”
- Antoine Ghyselincx / William Leon-Garcia
“ Results of the Hardware-In-the-Loop real-time demonstration, including sequences of the live demonstration ”

Virtual EPE'20 ECCE Europe-Conference

Let's meet on-line to work on the future!

[Register here](#)



Abdelkrim Benchaib

Conference General Chairman

Conference Programme:

Monday 7 September:	Tutorials	(09:30 – 17:30 CET)
Tuesday 8 September:	Conference Day 1 <i>(Keynotes, Lectures, Dialogue Sessions...)</i>	(08:30 – 17:30 CET)
Wednesday 9 September:	Conference Day 2 <i>(Keynotes, Lectures, Dialogue Sessions...)</i>	(08:30 – 17:40 CET)
Thursday 10 September:	Conference Day 3 <i>(Keynotes, Lectures, Dialogue Sessions...)</i>	(08:30 – 17:40 CET)
Friday 11 September:	Industrial Forum-Day	(09:30 – 17:30 CET)

For More Information, visit our website:



EPE 2020 ECCE Europe Conference Chairman:

- **Abdelkrim BENCHAIB**, SuperGrid Institute / Le Cnam

EPE 2020 ECCE Europe Conference Co-Chairs

- Seddik BACHA – G2ELab – Grenoble
- Michel MERMET-GUYENNET – SuperGrid Institute, Villeurbanne
- Françoise LAMNABHI-LAGARRIGUE – L2S CNRS, Paris Saclay
- Bruno ALLARD, AMPERE-lab, Lyon

Local Scientific Committee Chairman

- Jean-Luc THOMAS, Le Cnam, Paris

Programme Chairman

- Sjoerd BOSGA, ABB Corporate Research, Sweden

Local Organising Committee

- Amiel KAPLAN (Chairman)
- Jing DAI
- Kosei SHINODA

Sponsored and Organized by:

