



Society E-newsletter

May 2024

In this Issue

- Summer School Registration is Open
- P3 Talk Deadline Extended
- Call to Promote EBL
- PELS Day Webinar
- Upcoming Webinars
- New PELS Chapters and Student Branch Chapters

Summer School Registration is Open

Registration is still open for the 2nd edition of the **Summer School on "Electrical Machines and Drives for Green Transportation Systems"** which will take place from 24 to 28 June 2024 at the "Enzo Ferrari" Department of Engineering in Modena, Italy. This school will include lectures, seminars, and live demonstrations dedicated to the changing and thriving world of transportation electrification as well as social events and cultural excursions, such as the Ducati factory tour (a sole supplier of the electric class of MotoGP).

This event is open to **young researchers and PhD students** to exchange experiences and technical information about their projects, attend lectures, and meet representatives from top industries in the transportation field. PhD students who participate will be awarded **5 ECTS credits** from their doctoral school after passing an evaluation. **Engineers from industry** are also welcomed since it is an opportunity to stay updated with the latest research in electric transportation.

This school is organized by the University of Modena and Reggio Emilia - UniMoRe in cooperation with MUNER - The Motorvehicle University of Emilia-Romagna, IEEE IES, IEEE PELS, and the DORNA Project.



[Learn More](#)

P3 Talk Deadline Extended

Deadline Extended!



Submission Deadline Extended:
10 June 2024

More Information

<https://www.ieee-pels.org/awards/pels-student-awards/pels-p3-talk>

Call to Promote EBL

Announcement - Empower a Billion Lives 2025

We are honored to announce the launch of a new round of Empower a Billion Lives



EMPOWER A BILLION LIVES

Building on the success of EBL 2019 and EBL 2023 we will begin accepting concept papers in June of 2024

Subscribe to our newsletter for schedule updates
www.empowerabillionlives.org

EBL 2019 and 2023 distributed a total of over USD 1 Million

Over 500 Teams have registered for EBL

- 285 Proposals
- 120 Full Teams
- 30 Regional Winners
- 50 Field-Tests and Finalists
- 20 Global Final Prizes

Empower a Billion Lives Steering Committee

Chair: **Jelena Popovic** - University of Twente

Vice-chair: **Issa Batarseh** - University of Central Florida

Treasurer: **Sanjib Kumar Panda** - National University of Singapore

Communications: **Ali Husain**

Chair Emeritus: **Deepak Divan** - Georgia Tech

Please promote the Empower a Billion Lives (EBL) Global Challenge through your networks and consider lending your expertise to this PEELS Humanitarian Program. If your company has a Corporate Social Responsibility program, please consider EBL.

Team registration is now open at www.empowerabillionlives.org. If you would like more information on how to get involved, please send an email to billionlives@ieee.org.

PELS Day



PELS Day is less than a month away!

This year, we will have a special webinar featuring eminent scholar Prof. Thomas Jahns (Univ. of Wisconsin-Madison) and young professional Dr. Joseph Kozak (Johns Hopkins Univ.). Be on the lookout for more information about this exciting event!

Is your Chapter or SBC hosting an event? By sending your information, we will add it to the PELS event calendar.

[Send Your Information](#)



CHECK WIDE OFFER OF ELECTRONIC COMPONENTS >



Upcoming Webinars

Advanced Topics of Model Predictive Control in Power Electronics

Date: Thursday, 30 May

Time: 11:00 AM ET

Sponsor: TC 1

Presenters: Jose Rodriguez and Cristian Garcia

Univ. San Sebastian, Chile and Univ. of Talca, Chile



[Register](#)

Model Predictive Control for Power Electronics Applications

Date: Thursday, 6 June

Time: 9:00 AM ET

Sponsor: TC 1

Presenter: Marco Rivera

Univ. of Nottingham, UK

This webinar will be in Portuguese.



[Register](#)

MPC in Power Electronics and Drives: 40 Years of Research, Recent Industrial Successes and a Path Forward

Date: Thursday, 13 June

Time: 10:00 AM ET

Sponsor: TC 1

Presenters: Tobias Geyer

ABB, Switzerland



[Register](#)



11 - 13.06.2024
Nuremberg (Germany)
Hall 9 - Stand 9-526



Aluminium
Electrolytic
Capacitors Screw
terminal Type



KendeilTM
POWER
ELECTRONIC
CAPACITORS

Mitigating Against Cascade and Common-Mode Failures in Electric Drive Trains

Date: Thursday, 20 June

Time: 10:00 AM ET

Sponsor: TC 11

Presenter: Patrick Norman

Univ. of Strathclyde, UK

Environmental Compatibility - A New Key Performance Indicator of Multi-Objective Power Electronics Design

Date: Thursday, 27 June

Time: 10:00 AM ET

Sponsor: TC 10

Presenter: Jonas Huber and Johann W. Kolar

ETH Zurich, Switzerland

Medium Voltage Power Electronics Research: Challenges and Opportunities

Date: Wednesday, 3 July

Time: 11:00 AM ET

Presenters: Drazen Dujic

EPFL, Switzerland



Register



Jonas Huber



Johann W. Kolar

Register



Register

New PELS Chapters and SBCs



- Southwest Jiaotong University, PEL35
- Sathyabama Institute of Science & Technology, PEL35

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Email: PELSMagazineAdSales@ieee.org

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