



**IEEE POWER  
ELECTRONICS SOCIETY**  
Powering a Sustainable Future

## December 2022 e-Newsletter

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## Upcoming Webinars



**Presenter:**  
Matthias Preindl  
Columbia University  
United States

**Software-Defined Power  
Electronics**

**Wednesday, 18 January 2023  
12:00 PM ET**

*This webinar is sponsored by the IEEE  
Power Electronics Society Technical  
Committee on Electrified Transportation  
Systems.*

[Register Here](#)



**Presenter:**  
Santanu Kapat  
IIT Kharagpur  
India

**Fixed and Variable Frequency  
Digital Control Architectures in  
Switched Mode Power Converters  
and FPGA based Prototyping**

**Tuesday, 24 January 2023  
10:00 AM ET**

*This webinar is sponsored by the IEEE  
Power Electronics Society*

[Register Here](#)

Visit the PELS Website  
for additional webinars

Visit the TEC Website for additional  
webinars



The IEEE Power Electronics Society Awards Committee is seeking nominations for 2023. Do you know a member that should be recognized for outstanding work in the Power Electronics Field? **NEW in 2023!!!**

- IEEE PELS Graduate Studies Scholarships
- IEEE PELS Jan Abraham "Braham" Ferreira Scholarship
- IEEE PELS Graduate Studies Fellowships
- IEEE PELS John G. Kassakian Fellowship
- IEEE PELS Outstanding Achievement Award on Aerospace Power
- IEEE PELS Young Professional Exceptional Service Award
- IEEE PELS Electrical Machines, Drives and Related Automation Technical Achievement Award

### **Established PELS Awards**

- IEEE PELS R. David Middlebrook Achievement Award
- Richard M. Bass Outstanding Young Power Electronics Engineer Award
- IEEE McMurray Award for Industry Achievements in Power Electronics
- IEEE PELS Harry A. Owen, Jr. Distinguished Service Award
- IEEE Power Electronics Society Best Chapter
- IEEE Power Electronics Society Best Student Branch Chapter
- IEEE PELS Ph.D. Thesis Talk Award (P3 Talk)
- IEEE PELS Energy Storage Innovation Award
- IEEE Modeling and Control Technical Achievement Award
- IEEE PELS Sustainable Energy Systems Technical Achievement Award
- IEEE PELS Award for Achievement in Power Electronics Standards
- IEEE Power Electronics Emerging Technology Award
- IEEE PELS Vehicle and Transportation Systems Achievement Award
- IEEE PELS Technical Achievement Award for Integration and Miniaturization of Switching Power Converters
- IEEE PELS Award for Achievements in Power Electronics Education

## **Join in the fun and test your knowledge with a PELS monthly Crossword Puzzle**



The IEEE PELS Digital Media & Education Committee launched a new series in October which is comprised of monthly quizzes, brain-teasers and crossword puzzles that are related to the fields of interest of the society.

To access the monthly puzzle one needs to register via the IEEE PELS Website and submit their solutions within 12 hours of their first access to the puzzle page.

All submissions containing the correct answers to the puzzle will be entered into a drawing to win prizes which will be mailed worldwide. All winners will be recognized on the PELS webpage.

[Click here to join the fun!](#)

# Welcome!

## PELS Chapters & Student Branch Chapters

- Harbin Institute of Technology-Main Campus, Power Electronics Society Student Branch Chapter
- Sri Sivasubramaniya Nadar College of Engineering Power Electronics Society and Systems Council Student Branch Chapter
- Rajeev Gandhi Memorial College of Eng & Tech, Power Electronics Society Student Branch Chapter



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