

IEEE PELS TC5 Meeting at ECCE 2019
9:00-10:30 am, October 1, 2019
Meeting Minutes

1. Approved minutes of the last TC5 meeting held at APEC 2019
2. Meeting agenda: reviewed and approved
3. Highlights of TC5's activities
 - The TC meets semi-annually at APEC and ECCE
 - The TC's flagship annual conference PEDG
 - TC5 now has an annual Technical Achievement Award in sustainable energy systems (presented at PEDG)
 - TC5 has Annual Best Paper Awards in sustainable energy systems (presented at PEDG)
 - New initiatives
4. TC5 Elected Officers
 - Chair, Sudip K. Mazumder, University of Illinois at Chicago
 - Vice Chair, Juan Balda, University of Arkansas
 - Secretary, Wei Qiao, University of Nebraska-Lincoln
 - Need another Vice Chair as per the feedback of VP Operations
5. Thrust Areas and Leaders
 - Six thrust areas
 - A chair and a co-chair for each thrust area
 - Overall roles of thrust-area leaders
6. Other New/Updated Positions/Subcommittees
 - Best Paper Awards
 - ✓ Expected to be led by Dr. Vladimir (United Technologies Research Center)
 - Travelling Lecturer: up to \$750/lecturer
 - ✓ Expected to be led by Prof. Juan Balda (University of Arkansas)
 - ✓ About 3 to 4 supporting members
 - Webinar
 - ✓ Expected to be led by Prof. Wei Qiao (University of Nebraska-Lincoln)
 - ✓ About 3 to 4 supporting members
 - Standard Liaison
 - ✓ Prof. Ali Khajehoddin (University of Alberta)
 - JESTPE Special Issue Coordinator
 - ✓ Need a volunteer
 - Outreach Coordinator
 - ✓ Need a volunteer
 - Web
 - ✓ Need a volunteer

7. Report on PEDG 2019 (by Prof. Jinjun Liu)
 - Steering and organizing committees
 - Paper submission statistics
 - Peer review and accepted papers
 - Presentations
 - Technical program
 - Special events
 - PEDG 2019 financial statement
 - Finance
 - Follow-up

8. Update on PEDG 2020 (by Prof. Dushan Boroyevich), June 1-4, 2020, Croatia, Dubrovnik
 - Hosting organization
 - Budget
 - Location
 - Call for papers
 - IEEE is a Technical Cosponsor (To be approved by the PELS Conference Committee)

9. Future PEDGs
 - Proposal for hosting PEDG 2021, June 14-17, 2021 (Tentative), Chicago, USA (by Prof. Sudip K. Mazumder)
 - ✓ Hosting organization
 - ✓ Program
 - ✓ Venue
 - ✓ Summary
 - PEDG 2022, Columbia, (Approved) (by Andres Escobar Mejia)
 - Proposal for hosting PEDG 2023 (from Estonia and Shanghai)
 - ✓ Still accept proposals

10. Report on IEEE Conference on Power Electronics and Renewable Energy (CPERE'19) (by Prof. Mohamed Orabi)
 - Deadlines
 - Technical sessions
 - Banquet (October 24, 2019)
 - Venue

11. Other TC5 Supported Conferences/Workshops
 - CPERE'19
 - ✓ Financially sponsored by PELS
 - ✓ Managed by TC5
 - DEAS'19
 - ✓ Financially sponsored by PELS
 - Ee2019
 - ✓ Financially sponsored by PELS

- ✓ Managed by TC5

12. Technical Achievement Award

- 2019 recipient: Xiongfei Wang
- Next award at PEDG 2020
- Nomination: Call – Nov. 1, 2019; received by March 31, 2020

13. Best Paper Awards

- Three awards presented at PEDG 2019
- Next awards will be presented at PEDG 2020

14. Student Travel Grant

- Awarded at PEDG'19
- Travel grants for 10 students from outside of China Mainland

15. Webinars

- Prof. Wei Qiao, University of Nebraska-Lincoln
 - ✓ Title of Lecture: Online Prognostic Condition Monitoring for Wind Turbines Using Current Signals
- Jay Johnson, Principal Member, Sandia National Lab
 - ✓ Title of Lecture: Cybersecurity for Distributed Energy Resources, Electric Vehicles, and Wind Power Systems

16. IEEE International Technology Roadmap of Power Electronics for Distributed Energy Resources (ITRD) (by Prof. Lichen Chang)

- An initiative of PELS
- Call for interests and participations
- Call for white papers: to be published by new PELS open journal

17. TC5 status report (by Prof. Sudip Mazumder)

- TC5 sponsored JESTPE special issue
- Travelling Lectures (for knowledge dissemination)
 - 2019
 - ✓ Presenter: Prof. Wei Qiao
 - ✓ Presentation Title: Electrical-Signature-Based Online Fault Diagnosis and Prognosis for Wind Turbine Systems
 - ✓ Location: University of Arkansas at Fayetteville
 - 2018
 - ✓ Presenter: Prof. Juan Balda
 - ✓ Presentation Title: Application of Power Electronics in Electric Power Distribution Systems
 - ✓ Location: University of North Carolina at Charlotte
- Special Session on Sustainable Energy Systems and Energy Sustainability at ECCE 2018
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- TC5 participation in recent and emerging initiatives

- FEPPCON (Future of Electronic Power Processing & Conversion): PELS strategic initiative, Norway, 2019
- IEEE Enabling Billion Smiles (EBL) Initiative
- IEEE PELS TC chairs lunch
 - More people involved in TC leadership
 - More activities for each TC
 - Student travel grant management
 - FEPPCON communication/output
 - Data sharing
 - New TCs and TC structure
 - New technologies for future of PELS
- Discussions
 - How to involve more people from industry (Prof. Dushan Boroyevich)
 - Nomination committee forms a task to identify potential industry people
 - Involve people from industry in TC leadership
- TC5 budget