

IEEE PELS TC5 Meeting at APEC 2017
6:30-8:00 pm, March 28, 2017
Meeting Minutes
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1. Minutes of last TC5 meeting on September 20, 2016 at ECCE 2016: approved
2. Meeting agenda: reviewed and approved
3. TC5 status report (Sudip Mazumder)
 - Highlights of TC5 activities
 - TC5 meets semi-annually
 - Update on TC5's flagship annual conference: PEDG
 - Update on TC5 awards
 - ✓ Best paper awards
 - ✓ Sustainable Energy Systems (SES) Technical Achievement Award (solicit nominations)
 - New and modified technical thrust areas:
 - ✓ Need leaders (senior research, industrial expert, and junior researcher) for some thrust
 - ✓ Thrust area roles
 - Update on conferences co-sponsored by TC5
4. Update on PEDGs
 - PEDG 2016
 - 206 digests submitted from 21 countries and 116 were accepted
 - Final budget for PEDG 2016
 - PEDG 2017
 - Committees
 - 208 digests submitted; 152 digested were accepted; 103 final papers confirmed
 - Technical program review
 - Registration rates
 - Sponsors
 - Budget: target on 200 attendees
 - Proposal for hosting PEDG 2018
 - More information will be provided at ECCE 2017 meeting
 - Requested load from PELS
 - Tentative venue of PEDG 2018: Charlotte, NC
 - PEDG 2019, Xi'an, China: dates, budget
 - PEDG 2020, Croatia, Dubrovnik
5. Status update on other recent conferences supported by TC5
 - ACEPT'16 (Asian Conference on Energy, Power and Transportation Electrification), Singapore, Oct. 25-27, 2017
 - ICSET'16, Hanoi, Vietnam, Nov. 14-16, 2016

- ACEPT'17, Singapore, Oct. 24-26, 2017
 - Discussed PELS & TC5 sponsorship
 - ✓ Technical sponsorship
 - ✓ Technical co-sponsorship
 - Suggested to involve Singapore local PELS chapter for future ACEPTs
 - Technical co-sponsorship by TC5: approved
 - Mechanism or rules for technical cosponsor non-IEEE conferences (Jinjun Liu)
 - Lichen Chang
 - PELS has no budget to pay IEEE technical cosponsor fees for non-IEEE conferences
 - TC5 or conference pays the fees
6. Annual best paper awards in sustainable energy systems: three best paper awards for PEDG 2016
 7. Student travel grants for PEDG 2017
 - \$500 USD for students presenting papers at PEDG 2017
 - Depends on availability of funding
 - Need help from TC5 members
 8. Special Issue of JESTPE (2018) on Power Electronics for Sustainable Energy Systems and Energy Sustainability
 9. TC5 initiated webinars (5)
 - Alan Mantooth
 - Frede Blaabjerg
 - Hendrik F. Hamann
 10. TC5 thrust related special sessions at ECCE 2017
 - TC5 plans to pay for one hotel night for invited speakers
 11. Lecturers for knowledge dissemination
 - Objective: increase interactions between TC5 members
 - Program overview
 - Budget: up to \$5,000/year and \$700/lecturer
 - Selection process
 - Selection committee nominated by TC5 chair
 - Requirements
 12. TC5 participation in recent and emerging initiatives
 - IEEE Billion Smiles Initiative (Empowering off- and poor-grid communities)
 - International Technology Roadmap for Wide Band Gap Power Semiconductors (ITRW)
 - IEEE Future of Electronic Power Processing & Conversion (FEPPCON-17), June 12-16, 2017 (PELS strategic initiative)
 13. Discussions

- PEDG 2021
- PEMWA integration with PEDG
- Other thrust areas
- Webinars from thrust areas
- TC5 five-year strategic plan
- PELS JESTPE special issues
- Website update: Becky Borsen of PELS
- Standards representation: need volunteers

14. PELS Operations Committee: VP for Technical Operations (Yan-Fei Liu)

- Reduce overhead burden of members (strengthening technical operations)
- Promote help to make all TCs stronger and help all members to grow

15. VP for Conference (Liuchen Chang)

- Better, stronger, and easier
- Resource center for all conferences