



**IEEE INDUSTRY APPLICATIONS SOCIETY**  
**Industrial Power Conversion Systems Department**



# **IPCSD Department Meeting**

Fernando Briz - IPCSD Chair  
Luca Solero - IPCSD Vice Chair

Friday, April 8, 2022



**IEEE INDUSTRY APPLICATIONS SOCIETY**  
**Industrial Power Conversion Systems Department**



# Agenda

- Transactions paper review - red flag reports
- Operating guides
- TC & Department Awards
- Proposal of Special Issues for JESTP
- Websites
- Standards
- Feedback from APEC'22

# Red flag reports

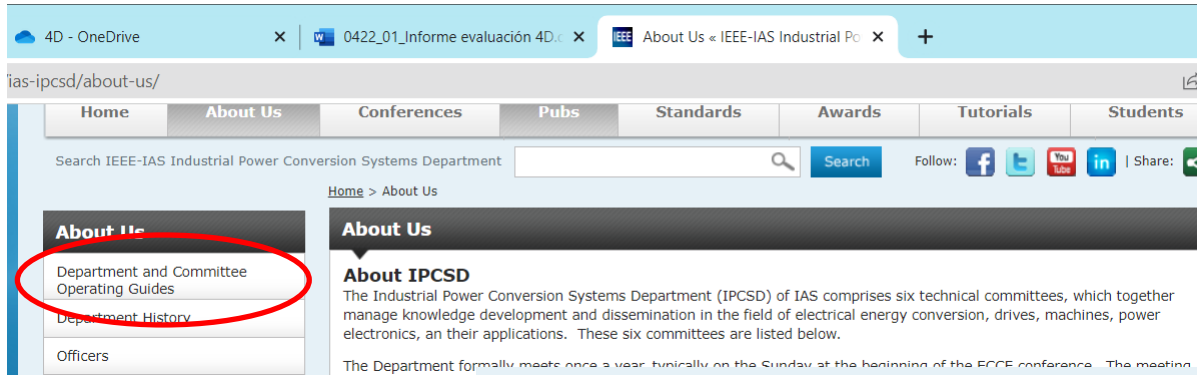
- Distribution list updated recently (TDPRCs)

Committee Name	TCPRC name	TCPRC email address
<u>Electric Machines</u>	Greg Heins	<a href="mailto:gregheins@ieee.org">gregheins@ieee.org</a>
<u>Industrial Drives</u>	Jul-Ki Seok	<a href="mailto:doljk@ynu.ac.kr">doljk@ynu.ac.kr</a>
Industrial Power Converter	Stefano Bifaretti	<a href="mailto:stefano.bifaretti@uniroma2.it">stefano.bifaretti@uniroma2.it</a>
<u>Power Electronic Devices and Components</u>	Zhiqiang (Jack) Wang	<a href="mailto:zhiqiang.wang@ieee.org">zhiqiang.wang@ieee.org</a>
<u>Renewable and Sustainable Energy Conversion Systems</u>	Ke Ma	<a href="mailto:kema@sjtu.edu.cn">kema@sjtu.edu.cn</a>
<u>Transportation Systems Committee</u>	John Kisacikoglu	<a href="mailto:John.Kisacikoglu@nrel.gov">John.Kisacikoglu@nrel.gov</a>

- Need to take resolute actions when there are papers in red

Submission Date	Days in Review	Manuscript Status	Copyright problem?
noviembre 8, 2020	509 days	Awaiting Reviewer Scores	No
diciembre 29, 2021	93 days	Make Decision	No
abril 30, 2021	336 days	Make Decision	No
diciembre 1, 2021	121 days	Make Decision	No
octubre 12, 2021	171 days	Make Decision	No
diciembre 4, 2021	118 days	Awaiting Reviewer Scores	No
diciembre 14, 2021	107 days	Awaiting Reviewer Scores	No
noviembre 30, 2021	122 days	Make Recommendation	No
diciembre 15, 2021	107 days	Make Decision	No
diciembre 17, 2021	105 days	Make Decision	No
diciembre 28, 2021	94 days	Awaiting Reviewer Scores	No

# Missing operating guides



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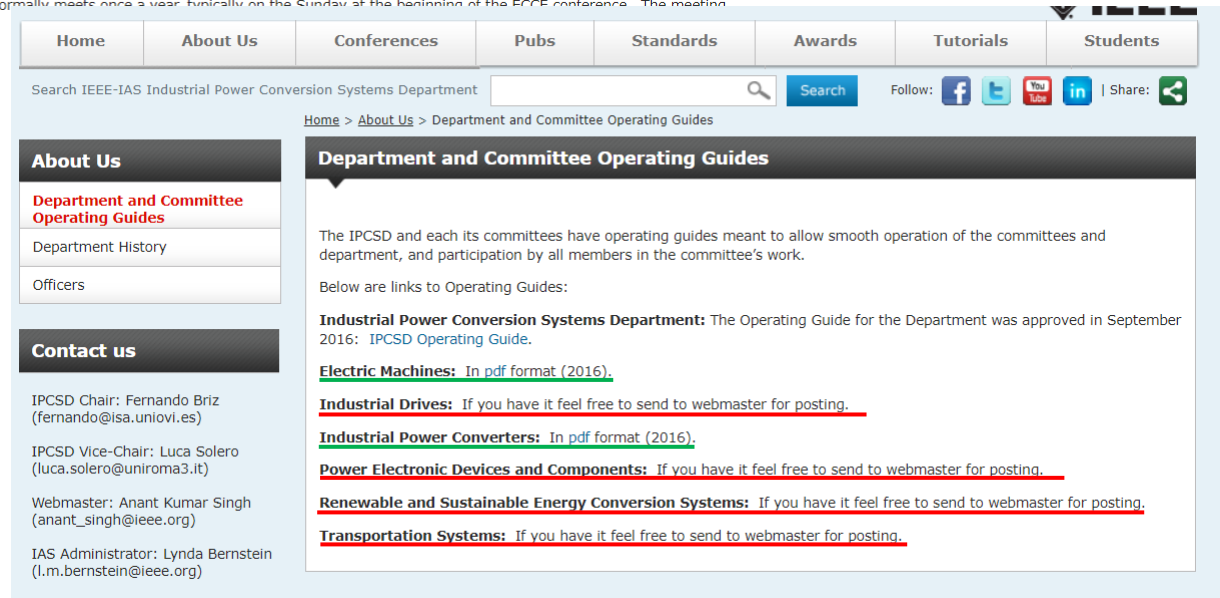
- Department and Committee Operating Guides
- Department History
- Officers

**About Us**

**About IPCSD**

The Industrial Power Conversion Systems Department (IPCSD) of IAS comprises six technical committees, which together manage knowledge development and dissemination in the field of electrical energy conversion, drives, machines, power electronics, and their applications. These six committees are listed below.

The Department formally meets once a year, typically on the Sunday at the beginning of the ECCE conference. The meeting



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**About Us**

- Department and Committee Operating Guides**
- Department History
- Officers

**Contact us**

IPCSD Chair: Fernando Briz (fernando@isa.uniovi.es)

IPCSD Vice-Chair: Luca Solero (luca.solero@uniroma3.it)

Webmaster: Anant Kumar Singh (anant\_singh@ieee.org)

IAS Administrator: Lynda Bernstein (l.m.bernstein@ieee.org)

**Department and Committee Operating Guides**

The IPCSD and each its committees have operating guides meant to allow smooth operation of the committees and department, and participation by all members in the committee's work.

Below are links to Operating Guides:

**Industrial Power Conversion Systems Department:** The Operating Guide for the Department was approved in September 2016: [IPCSD Operating Guide](#).

**Electric Machines:** [In pdf format \(2016\)](#).

**Industrial Drives:** [If you have it feel free to send to webmaster for posting.](#)

**Industrial Power Converters:** [In pdf format \(2016\)](#).

**Power Electronic Devices and Components:** [If you have it feel free to send to webmaster for posting.](#)

**Renewable and Sustainable Energy Conversion Systems:** [If you have it feel free to send to webmaster for posting.](#)

**Transportation Systems:** [If you have it feel free to send to webmaster for posting.](#)

# TC & Department Awards

- Transactions awards by TCs. Eligible papers would be those published in IAS Tr the previous year
  - Only ECCE papers?
  - Same number of awards for all the TCs?
  - I propose an in-person discussion during IPCSD meeting at ECCE'22
- Gerald Kliman Award (reminder)
  - Send reminder to TC members
  - Awards Chairs could help to identify strong candidates within the TCs

# Proposals for Special Issues for JESTPE

- JESTPE is IAS-PELS joint publication
- IAS is supposed to contribute with Special Issue proposals
- At least two TCs (IPCC, PEDCC) deal with topics which well fit into the journal scope
- However, also the other IAS TCs deal with applications and systems in which power electronics can play a fundamental role, for this reason they too can propose very good topics for JESTPE Special Issues
- Luca Zarri, IAS representative at JESTPE Steering Committee, and Luca Solero, IAS IPCSD vicechair, can help in preparing the proposals, as well we can give feedback on proposals before they are submitted to the editorial board

# Suggestions for JESTPE Special Issue proposals

- Select a topic and a title capable of attracting submission of about 50 papers. It must be different from the other Special Issues (<https://www.ieee-pels.org/publications/jestpe>, <https://ias.ieee.org/publications/joint-publications/jestpe.html>)
- 2-3 Guest Editors well recognized as experts, and having a corresponding history of working in the field. Citations, h-factor, are also things to consider.
- 8-10 Associate Editors with history that shows they have expertise in the area. AEs should also have a good review or editorial history. AEs should be very motivated people.
- Look at recent CfP of JESTPE Special Issues in order to prepare the proposal.

# **TCs officers' role in JESTPE Special Issue proposals**

- TCs officers are asked not just to solicit proposals from the committee members.
- TCs officers are asked to lead the process of preparing the proposals; to be active in selection of suitable GEs and AEs among the committee members, in order to have strong proposals with good chance to be approved by the editorial board.



# Websites

## IPCSD Website

- All the links present on the website as well many of the sections have been updated
- TCs Chairs: send TC operating guide as pdf file and its date of approval to [luca.solero@uniroma3.it](mailto:luca.solero@uniroma3.it)

## TCs Websites

- 5 TCs websites are in a good shape, RESC website needs to be updated (it would be nice to have same format for the RESC website as the one of the other TCs)
- PEDCC: needed to be fixed the @ issue in the email addresses for committee officers (both in “committee officers” page and in “publications” page)
- Take a look to the other TCs websites in order to get inspired and to improve (if you think improvement is needed) your TC website. For example, very useful seem to me the following pages
  - EMC page “EMC attendance/ECCE volunteering”
  - IDC page “News”
- Keep updated the websites, otherwise they are a not a useful tool for the community


# Standards

- Important to attract industry
- Some TCs should try to boost activities

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Address bar: site.ieee.org/ias-ipcspd/

Page Content:



Standard Number	Topic	IAS committee	Status	Contact
IEEE P11	Electric machines for rail and road	EMC	Update under way	buresssta@ornl.gov
IEEE Std. 112	Testing for polyphase induction machines	PE Society	Published 2018	
IEEE Std. 114	Single-phase induction machines	EMC	Published 2010	
IEEE Std. 1662	Power electronics in electrical power systems	IPCC, PCIC	Published 2017	ykhersonsky@ieee.org
IEEE Std. 1709	Medium-voltage DC power systems on ships	IPCC, PCIC	Published 2010	ykhersonsky@ieee.org
IEEE Std. 1812	PM machine testing	EMC	Under revision	eagamloh@ieee.org
IEEE P252	Induction machines with liquid in gap	EMC	PAR approved Dec. 2018	eagamloh@ieee.org
IEEE P620	Thermal limit curves for induction machines	EMC	PAR approved Dec. 2018	eagamloh@ieee.org
IEEE P2004	Hardware-in-the-loop testing of electric power apparatus and controls	ESC	PAR approved March 2017	steuerer@caps.fsu.edu
IEEE SCC21	Fuel cells, photovoltaics, dispersed generation, and energy storage	Various		nasiri@uwm.edu
IEEE P2943	Energy efficiency test methods for three-phase variable frequency drive systems	IPCSD/IDCWG	New activity	Kevin_Lee@ieee.org
IEEE P2964	Standard for datasheet parameters and tests for integrated gate drivers	IPCSD/DPTIGD	New activity	tgachovska@yahoo.com
IEEE P114	IEEE Standard test procedure for single-phase induction motors	IPCSD/DPTIGD	New activity	<b>Maher Al-Badri</b>
IEEE P3114	IEEE Standard for Datasheet Parameters and Testing Protocols for Ultraviolet (UV) Light-emitting Diodes (LEDs)	IPCSD/DPTIGD	New activity	tgachovska@yahoo.com

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# **APEC'22 update**