IEEE Industry Applications Society
Industrial Power Converters Committee (IPCC)
2022 Annual Meeting Minutes

Tuesday, October 11th, 2022, 7:00pm-8:00pm EST

Huntington Place, Room 140C

Detroit, Michigan, U.S.A.

Members in Attendance

Total attended: 35

LAST NAME	FIRST NAME	INSTITUTION	COUNTRY
Bifaretti	Stefano	University of Rome Tor Vergata	Italy
Blanco	Cristian	University of Oviedo	Spain
Bojoi	Radu	Politecnico di Torino	Italy
Boroyevich	Dushan	Virginia Tech	USA
Cao	Dong	University of Dayton	USA
Di Benedetto	Marco	Roma Tre University	Italy
Di Nezio	Giulia	Roma Tre University	Italy
Ding	Lizhi	Purdue University	USA
Di Salvo	Salvatore	University of Pavia	Italy
Guenther	Robert	EPEM LLC	USA
Garcia	Pablo	University of Oviedo	Spain
Granata	Samuele	University of Pavia	Italy
Garrigos	Ausias	Miguel Hernandez University	Spain
Hong	Tianqi	Argonne National Lab	USA
Huang	Wenkang	Infineon Technologies	USA
Itoh	Junichi	Nagaoka University of Technology	Japan
Junghwa	Jung	MKS	Korea
Karamanakos	Petros	Tampere University	Finland
Leuzzi	Riccardo	University of Pavia	Italy
Lu	Xiaonan	Purdue University	USA
Mannen	Tomoyuki	University of Tsukuba	Japan

LAST NAME	FIRST NAME	INSTITUTION	COUNTRY
Min	Juhwa	MKS	Korea
Odhano	Shafiq	Newcastle University	UK
Oriti	Giovanna	Naval Postgraduate School	USA
Parsa	Leila	University of California Santa Cruz	USA
Preindl	Matthias	Columbia University	USA
Scelba	Giacomo	University of Catania	Italy
Solero	Luca	Roma Tre University	Italy
Suh	Yongsug	Jeonbuk National University	Korea
Tresca	Giulia	University of Pavia	Italy
Van der Broeck	Christoph	Robert Bosch GmbH	Germany
Vazquez	Aitor	University of Oviedo	Spain
Zarri	Luca	University of Bologna	Italy
Zhang	Junhui	Purdue University	USA
Zhou	Liwei	Columbia University	USA

1. Approval of 2021 COMMITTEE MEETING MINUTES and 2022 IPCC Meeting Agenda

Approval of the 2021 committee meeting minutes was moved by Luca Solero and seconded by Pericle Zanchetta.

Approval of the 2022 committee meeting agenda was moved by Luca Solero and seconded by Pericle Zanchetta.

2. IPCC Officers Report

IPCC Chair, Xiaonan Lu, gave a presentation on the following topics. Please refer to the presentation for more details.

A. Membership roster: 442, including 7 new members

B. Becoming an active member: reviewer, track chair and officer; active with IEEE/IAS/IPCC activities; publishing in IAS-sponsored conferences

C. Introduction of IPCC Officers and Subcommittees for 2022

D. Participations in ECCE 2022 (Organizing committees, paper review process, remote sessions, IPCC participation in technical activities including track E and paper review)

E. Participations in APEC 2023: 9 Track chairs from IPCC

3. Reports from Fellow and awards nomination Subcommittees

IPCC Fellow and Award Nominating Chair, Robert Guenther, gave a presentation on the following topics. Please refer to the presentation for more details.

A. Support IPCC members seeking elevation to Fellow grade

B. Fellow nomination must be completed by March 1, 2023 for Fellow class of 2024

Action Item: Get a list of IPCC Senior members shortly after this meeting

C. Encourage "Member" Level members of the IPCC committee to move up to "Senior member" level.

4. Reports from Other Subcommittees

• Special activities: Elisabetta Tedeschi, Special Activity Chair, and Tianqi Hong, Co-Chair

A. Launching two working groups: Grid Interactive Power Converters, and Membership Growth in Under-represented Groups

B. IPCC support in ECCE 2023 and APEC 2023

• Standards: Lee Empringham: Standards Chair

A. Concentrated on industrial engagement, information gathering and dissemination

• B. Encourage industry to get involved

5. IAS Transactions Report

IAS IPCC Paper Review Chair, Stefano Bifaretti, gave a presentation on the following topics. Please refer to the presentation for more details.

A. IPCC Associate Editors: 25, including 6 new AEs appointed in 2022

B. Submitting paper to IPCC after presenting at an IAS-sponsored conference

C. Statistics: submissions by committee, decision time, acceptance rate, and submission by country

6. IEEE Open Journal of Industry Applications

IEEE Open Journal on Industry Applications Editor-in-Chief, Pericle Zanchetta, gave a presentation on the following topics

A. Information: anyone can submit, without conference requirements

B. Open Access Fee in 2023: $1950 USD, with 20% discount for IAS members

C. Statistics: submission by country, acceptance rate, Impact Factor projection

7. IPCC 2022 prize paper awards

IPCC Transaction Review Chair, Stefano Bifaretti, gave a presentation on the following topics

A. IPCC ECCE 2021 Prize Paper Award Committee & Evaluation process

B. First, Second, and Third IPCC prize paper award winners

First Prize: Juhwa Min and Yongsug Suh, "Electrical Variable Capacitor of Reduced Switch Count and Voltage Stress for 13.56MHz RF Plasma System"

Second Prize: Yu-chen Su, Hsuan-ming Li, Po-lin Chen, and Po-tai Cheng, "Operational flexibility of the modular multilevel converter under unbalanced grid conditions"

Third Prize: Marco di Benedetto, Alessandro Faro, Luca Bigarelli, Alessandro Lidozzi and Luca Solero, "Variable Frequency Repetitive-Resonant Combined Control for Grid-Tied and Intentional Islanding Operations"

C. **New Rules** for next year's IPCC ECCE award paper selection

1) Any paper included in Tracks E and F and presented in previous ECCE is eligible

2) Papers are preselected based on the digests' scores, and top 10 papers each from Track E and Track F will be evaluated by Awards Subcommittee.

8. Promotion for IAS sponsored 2023 conferences

A. Conferences in Asia: **ICPE 2003/ECCE Asia 2023 (Flagship), Jeju, Korea**;

ICPEE, BhubaneswarIndia, India; ETFG, Wollongong, Australia

B. Conference in Europe: SEST, Mugla, Turkey

C. Conferences in USA: **APEC (Flagship), Orlando, Florida, USA**; TPEC, College Station Texas, USA; PECI, Champaign, Illinois, USA; ITEC, Detroit, Michigan, USA

9. Planning of ECCE 2023

• To be held in Nashville, Tennessee, October 29 to November 2, 2023

• Volunteers needed for Topic Chairs and Session Chairs

• Submit papers, special sessions, and tutorial.

• Later deadline for ECCE 2023: February 19, 2023

Action Items: Nominations + short resume of people to serve as Vice Chair for Tracks E and F

10. Closing remarks & Motion to adjourn

Moved by Dong Cao and seconded by Luca Zarri.

Xiaonan Lu, Chair

Yongsug Suh, Vice-Chair

Wenkang Huang, Secretary

Luca Solero, Past-Chair