



IEEE Industry Applications Society Renewable and Sustainable Energy Conversion Systems Committee 2024 Annual Meeting Minutes

Call to Order:

RSECS Committee Chair, Prof. Ke Ma, called the meeting to order at 2:00 p.m. in Phoenix, AZ, on October 22, 2024.

Approval of the 2023 Meeting Minutes:

The minutes of the 2023 meeting were distributed electronically ahead of the session, and the Committee Chair moved a motion to accept these minutes, seconded by Prof. Dan Ionel. The motion passed unanimously.

RSECS Committee Officers in 2024:

Each committee member will serve for two consecutive years. The Committee officers for 2024-2025 are as follows:

Chair:	Prof. Ke Ma, China (kema@sjtu.edu.cn)
Vice Chair and TCPRC:	Prof. Eduard Muljadi, USA (mze0018@auburn.edu)
Vice Chair of Conferences:	Prof. Behrooz Mirafzal, USA (mirafzal@ksu.edu)
Secretary:	Dr. Dinesh Kumar, Denmark (dineshr30@ieee.org)
Past Chair:	Prof. Akshay Kumar Rathore, Singapore (akshay.k.rathore@ieee.org)

There were issues with the committee name and the number of suggestions received. A motion was initiated during the Annual Meeting, and it was approved by a majority to rename the committee from *Renewable and Sustainable Energy Conversion Systems Committee* to *Renewable Energy Systems Committee*, with the acronym RESC.

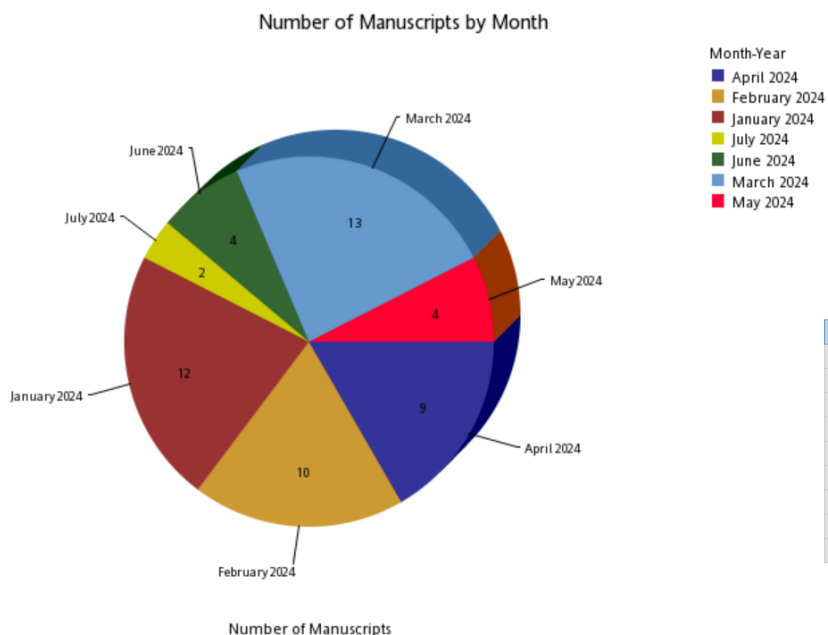
IAS Transactions/Magazine Committee Report:

The Vice Chair of Transactions for the Committee presented a report on the paper review outcomes for the period of October 2023 to October 2024. The summary is as follows:

- A total of 78 papers were processed, which included 54 original submissions and 24 revisions.
- Decisions were made on 29 submissions.
- The average time from submission to the first decision was 77 days, marking a slight improvement from the previous year's average of 76 days.

During this period, the paper submission statistics revealed that most submissions originated from India, accounting for 40.5%, followed by the Malaysia at 16.2% and China at 10.8%. The remaining 32.5% of submissions were from various other countries. The objective is to reduce the decision time to below 60 days to expedite the peer-review process and ensure the timely dissemination of valuable research in renewable and sustainable energy conversion systems.

Grouped by: Month Of Submission



Country/Region	Total	Percentage
Canada	1	2.7%
China	4	10.8%
India	15	40.5%
Iran (the Islamic Republic of)	1	2.7%
Korea (the Republic of)	1	2.7%
Malaysia	6	16.2%
Pakistan	1	2.7%
Singapore	1	2.7%
South Africa	1	2.7%
Spain	1	2.7%
Taiwan	1	2.7%
UK and Northern Ireland	1	2.7%
United States	3	8.1%
Total	37	100.0%

Month-Year	Number of Manuscripts	Percentage of Total
April 2024	14	17.3%
August 2024	5	6.2%
February 2024	10	12.3%
January 2024	12	14.8%
July 2024	10	12.3%
June 2024	8	9.9%
March 2024	14	17.3%
May 2024	8	9.9%
Summary	81	100%

Manuscript Decision	Number of Manuscripts	Percentage of Total
Accept for publication in Magazine	1	1.60%
Administrative Rejection	1	1.60%
Annual Meeting Paper Returned to Allow Author Revisions	5	8.10%
Reject	22	35.50%
Return to author for mandatory revisions (to address reviewer comments)	33	53.20%
Total:	62	100.00%

The following is the roster of associate editors in 2023 affiliated with the RSECS committee within IAS, including their respective affiliations and years of service:

1. Dinesh Kumar (Denmark) , since 2017
2. Yongheng Yang (China), since 2020
3. Dao Zhou (Denmark), since 2022
4. Liyan Qu (USA), since 2023
5. John Lam (Canada), since 2023
6. Donghai Zhu (China), since 2022
7. Hengzhao Yang (China), since 2024
8. Necmi Altin (Turkey) , since 2024
9. Saban Ozdemir (Turkey), since 2024
10. Satarupa Bal (USA), since 2022
11. Rajeev Kumar Singh (India), since 2024



12. Sumit Paudyal (USA), since 2024
13. Kalpana R (India), since 2024
14. Gab-su Seo (USA), since 2024

New Associate Editors will be appointed to address vacancies and bolster expertise in high-demand areas in 2025, including Microgrids, Renewable Energy Systems, Storage and Machines with selection criteria tailored to their expertise and the Committee's requirements.

Prof. Eduard Muljadi along with Prof. Adel Nasiri will be organizing a special issue for JESPTTE on “**Medium Voltage Power Converter for Grid Electrification**”. This special issue explores the latest advancements, challenges, and future directions in medium-voltage power converter technologies for grid electrification. A call for papers will be circulated soon.

A membership campaign is currently underway to invite new members to join the committee. The committee's website is currently being updated and recent committee news can be found at the website: <https://site.ieee.org/ias-crsecs/news/>

ECCE 2024 Conference Committee Report:

Prof. Behrooz Mirafzal from the IAS RSECS Committee were nominated as vice-chairs for tracks A and B at ECCE 2024. Track A focuses on Sustainable Energy and Energy Storage Technologies, while Track B is dedicated to Grid Modernization and Smart Grid. Typically, one or two experts from IAS, and one or two from PELS, serve as Vice Chairs for each track. In ECCE 2024, both of our nominees served for Track A. Prof. Behrooz Mirafzal, the Vice Chair of conferences, reported on the outcomes of the paper review process.

Track Name	Track	Vice Chair	Vice Chair	Vice Chair
Sustainable Energy, and Energy Storage Technologies	A	Behrooz Mirafzal	Gab-Su Seo	Liliana De Lillo
Grid Modernization and Smart Grid	B	Joseph Benzaquen	Giovanni De Carne	Sanjib Kumar Panda

In Track A, 173 papers were submitted, out of which 122 papers were accepted, resulting in an acceptance rate of 70.5%. In Track B, 259 papers were submitted, out of which 165 papers were accepted, , resulting in an acceptance rate of 63.71%.

Committee Awards – Transactions and ECCE Conference:

In 2024, the award committee was established by the committee officers, and their decisions are detailed below:

- **RSECS Committee Journal Paper Awards – Transactions:**

First Paper Award:



Title: *Automated Identification of Failures in Doubly-Fed Induction Generators for Wind Turbine Applications*

Authors: Byambasuren Battulga, Muhammad Faizan Shaikh, Sang Bin Lee, and Mohamed Osama

Second Paper Award:

Title: *Hidden Modes of Instability in Weak Grids*

Authors: Tareq Hossen, Behrooz Mirafzal

Third Paper Award:

Title: *Multiscale Electrothermal Design of a Modular Multilevel Converter for Medium-Voltage Grid-Tied Applications*

Authors: Xuhui Feng, Ramchandra Kotecha, Sreeekant Narumanchi, Akanksha Singh, Barry Mather, Ke Wang, Boxue Hu, and Jin Wang

- **RSECS Committee Conference Paper Awards – ECCE 2023:**

First Prize: *An Integrated Bidirectional Tri-port Microconverter for Hybrid Solar Plants*

S. Belkhode, J. Benzaquen and D. Divan

Second Prize: *A Transformer Design with PCB Litz Wire Concept for Solid State Transformer*

Z. Li, F. Jin, X. Lou, Y. -H. Hsieh, Q. Li and F. C. Lee

Third Prize: *Development of a High Power, Medium Frequency Transformer for Medium Voltage Applications*

El Shafei, S. Ozdemir, N. Altin and A. Nasiri

Reports on the Next ECCE Conference:

The Seventeenth Annual IEEE Energy Conversion Congress and Exposition (ECCE 2025) was introduced. The next ECCE is set to take place in Philadelphia, Pennsylvania, USA, from October 19 to October 23, 2025. Key dates include the digest submission deadline on March 2, 2025, and the expected date for author notifications on May 25, 2025.

Other Announcements:

There are two guests showed up in the meeting to present the following 2 conferences:

- General chair Avoki Omekanda: 2025 IEEE Industry Applications Society (IAS) Annual Meeting Incorporating The Industrial & Commercial Power Systems (I&CPS)-Asia Conference
- General Co-chair Giovanna Oriti: 2025 ECCE.

Prepared by:

Dr. Dinesh Kumar

Secretary 2024 - 2025

IEEE IAS Renewable and Sustainable Energy Conversion Systems Committee