



# IEEE Industry Applications Society Renewable and Sustainable Energy Conversion Systems Committee 2018 Annual Meeting Minutes

Oregon Convention Center, Portland, Oregon, USA  
Tuesday, Sept 25  
2:00 PM – 3:00 PM  
Room: B113

## 1. Call to Order

Committee Chair Yilmaz Sozer called the meeting to order at 2:05 pm.  
Secretary Ke Ma passed around the roster to be signed and updated by the members present.  
44 members attended the meeting.

## 2. Introduction to Agenda

Yilmaz Sozer introduced the Executive Committee and presented the agenda. The new Vice chair Akshay Kumar Rathore and the new Secretary Ke Ma were introduced.

The Executive Committee are:

- Chair - Yilmaz Sozer, University of Akron, USA
- Vice Chair & TPC - Adel Nasiri, University of Wisconsin-Milwaukee, USA
- Vice Chair – Akshay Kumar Rathore, Concordia University, Canada
- Secretary – Ke Ma, Shanghai Jiao Tong University, China

## 3. Approval of 2017 Meeting Minutes

Minutes were distributed electronically prior to the meeting. Motion to approve the minutes was moved by Surya Doolla and seconded by Akshay Kumar Rathore and unanimously approved by the voice during the meeting.

## 4. Chair and TCPRC Report – Yilmaz Sozer

Adel Nasiri with the help of 9 associate editors handled the transaction review work. The presented Associate Editors for IEEE Transaction on Industry Application within Renewable and Sustainable Energy Conversion Systems Committee are:

- Paul Barendse (South Africa)
- Behrooz Mirafzal (USA)
- Woojin Choi (USA)
- Mohamed Badawy (USA)
- Norma Anglani (Italy)
- Ke Ma (China)
- Nathan Weise (USA)



- Dinesh Kumar (Denmark)
- Afshin Izadian (USA)

A report on statistics of the paper publications in Transactions and Magazine was presented:

- **338** manuscripts received between Jan 2017-Sep 2018, account for **9.5 %** of all IAS submissions
- **92** days average time in making the first decision – **13** days more than last year
- Transactions acceptance rate **26 %**, magazine acceptance rate **1 %**

Yilmaz Sozer summarized the procedure for submitting papers for IAS Transactions through RSECS Committee:

- The IAS RSECS Committee welcomes for review and possible publication in IEEE Transactions on IAS papers that have been presented within the last year at an IAS technically sponsored conference, such as ECCE, IAS Annual Meeting, APEC, ICEM.
- In order to submit a paper, please email the following information to the Technical Paper Review Chair (TPC) with the following information: (1) corresponding author's first and last name; (2) corresponding author's e-mail address; (3) manuscript title; (4) conference name; (5) year of presentation; together with a PDF of your Conference paper, as it was published in the Conference proceedings. Further information for authors is available at <http://ias.ieee.org/publications.html>
- Instructions are available on the website at <http://sites.ieee.org/ias-crsecs/>

Some important changes on the publication policy were notified:

- Conference papers recommended for publication **MUST BE REVISED** before publication in IEEE Transactions on Industry Applications or IEEE Industry Applications Magazine
- RSECS is not requiring a specific amount of change in the revision, authors must be compliant with the long-standing rule that they are not seeking multiple publication of a paper
- The revised version **MUST** include a reference citation pointing to the earlier conference version
- The authors may consider changing the title, adding references, adding or simplifying illustrations, and adding or simplifying text in the body of the paper
- The authors are asked to provide a **BRIEF** description ( $\pm$  200 words) of the revisions in the cover letter
- Conference papers that are approved for publication without revision will be returned to the responsible technical committees for revision
- Exceptions to the 'presentation first' policy are only made for so-called 'special issues' of IAS Transactions as authorized by the IAS Executive Board



## 5. Conferences contributions 2018- Akshay Rathore

### ➤ ECCE 2018

IAS RSECS Committee has jointly organized the Track-A (Renewable and Sustainable Energy Technologies) and Track B (Smart Grid & Utility Applications) of the ECCE 2018 with the PELS Committee. Topic chairs were thanked for their contributions and supports.

Regarding to the detail contributions to track A:

IAS RSECS Committee provided 1 Vice Chair (Yilmaz Sozer) to work with another vice Chair Sudip Mazumder and 12 Topic Chairs for track A.

- 103 papers received, 58 accepted for oral and poster presentation
- Oral Sessions: Solar PV (4), Wind (2), Energy storage (3), Grid Integration in Renewable Energy Systems (1)
- Poster Sessions: 1 Wind Energy Systems (1), Energy Storage Systems (1), Solar PV Systems (1), Renewable Energy Systems (1)

Sub-track	Topic	Papers Submitted	Topic chair
A01	Wind	23	Behrooz Mirafzal Paul Barendse
A02	Solar	39	Tirthajyoti Sarkar Raghav Khanna Marcelo Heldwein Kausik Basu
A03	Ocean and Geothermal	1	Ke Ma
A04	Energy Storage	26	Ahmed Elasser Mohamed Badawy
A05	Fuel Cells	6	Ke Ma
A99	Other Renewable and Sustainable Energy Tech	11	Madhav Manjrekar Lina He



Regarding to the detail contributions to track B:

IAS RSECS Committee provided 1 Vice Chair (Akshay Rathore (IAS- RSECS), to work with Mahesh Krishnamurthy and Amirnaser Yazdani as well as 24 Topic Chairs to manage 10 sub-tracks in track B.

- 239 papers were received, with 64 % acceptance rate (155 papers were accepted).

Sub-track	Topic	Papers submitted	Topic chair
<b>B01</b>	Renewable energy grid integration	54	Martin Ordonez, Morgan Kiani, Dinesh Kumar, Khajehoddin Ali, Amirabadi Mahshid and Sheldon Williamson
<b>B02</b>	Distributed resources and micro-grids	48	Mohamad Khodayar, Mark Scott, Norma Aghlani, Fei Gao
<b>B03</b>	HVDC and FACTS	28	Jiangchao Qin, Suman Debnath, Marcelo Perez
<b>B04</b>	DC distribution and DC microgrids	27	Pourya Shamsi, John Lam
<b>B05</b>	AC distribution and AC microgrids	20	Dhaval Patel, Sudharshan Karthik
<b>B06</b>	Electronic transformer and other grid devices	10	Karthik Kandasamy
<b>B07</b>	V2G and G2V	16	Ha Pham and Santosh Kumar Singh
<b>B08</b>	Stability and Power Quality	12	Mehdi Narimani, Arindam Ghosh
<b>B09</b>	Smart buildings and appliances	4	Shadmand Mohammad
<b>B99</b>	Other topics	21	Fei Shang, Mahshid Amirabadi

#### ➤ APEC 2019

Track 10 Renewable Energy Systems is organized by the IEEE IAS- RSECS Committee and the IEEE PELS. 109 papers were submitted, and were managed by 4 track chairs (Akshay Rathore (IAS- RSECS), Fei Gao, Khurram Afridim and Haoyu Wang).



## 6. RESC Prize Paper Awards

Award committee members were:

- Yilmaz Sozer
- Dan Ionel
- Mohamed Badawy
- Ke Ma

11 papers shortlisted from ECCE 2017 Tracks A and B based on scores from digest reviewing. And the award committee voted for the Top 3 papers to be the winners. The winners were invited to attend ECCE 2018 and the RSECS annual meeting. The awards were presented to the winners by the executive committee as:

1. **Diego Pe´rez-Este´vez, Jesu´s Doval-Gandoy, Alejandro G. Yepes, O´scar Lo´pez, and Fernando Baneira**, “Multi-Frequency Current Controller for Grid-Tied Converters,”
2. **Jennifer Vining, Tim Mundon, Balky Nair**, “Electromechanical Design and Experimental Evaluation of a Double-Sided, Dual Airgap Linear Vernier Generator for Wave Energy Conversion,”
3. **Massood K. Siahpoosh, Li Li, David G. Dorrell**, “Wind Farm Grounding System Analysis,”

## 7. IEEE Standards Coordinating Committee (SCC) 21 Overview

Yilmaz Sozer presented the overview and background of the SCC 21. SCC 21 oversees the development of standards in the areas of fuel cells, photovoltaics, dispersed generation, and energy storage. SCC 21 roadmap, standard changes under development, and some scopes and details of IEEE P1547.1, 1547.2, 1547.9 were presented.

## 8. IAS-RES Committee Co-Sponsored Conferences

Yilmaz Sozer provided detailed information and call for papers on the following coming conferences:

1. IEEE Energy Conversion Congress & Expo (ECCE) 2019, Sept. 20-Oct. 3, 2019, Baltimore, MD, USA.
2. IEEE International Electric Machines & Drives Conference (IEMDC), 2019, May 12-15, 2019, San Diego, CA, USA.

RSECS Committee will be contributing to the ECCE-2019 Baltimore, MD, USA by providing TPC and Vice Chairs in the Technical Program Committee.



## **9. Joining the Activities of the RES Committee-**

Chair Yilmaz Sozer discussed the history, scope, and framework of the technical committee and explained the procedure to follow up for joining the activities of the RSECS Committee.

- New members and those interested should email the Committee Chair and/or the Committee Secretary (Committee membership requires IAS membership)
- RSECS Committee needs volunteers as a reviewer for IEEE Transactions on Industry Applications and/or IEEE Transactions on Sustainable Energy and/or IEEE Transactions on Smart Grid and/or ECCE.
- Email the Committee Vice Chair and TCPRC including a short professional bio and a list of keywords for your expertise for volunteering as a reviewer (IEEE membership is not an absolute requirement for becoming a paper reviewer).
- Ke Ma collected contact information of the volunteers to serve in RSECS and to serve as session and topic chairs in ECCE-2019.

## **10. Elections for the Executive Committee for 2018 and 2019**

Rotation and continuity – Proposed committee:

- Chair – Yilmaz Sozer, USA
- Vice Chair and TCPRC – Adel Nasiri, USA.
- Vice Chair – Akshay Rathore, Canada
- Secretary – Ke Ma, China

Yilmaz Sozer read his nomination for the Executive Committee for 2018-2019. It was moved and seconded to approve the executive committee members. The committee members were approved by voice.

## **11. Motion to Adjourn**

A motion was moved by Po-tai Cheng and seconded by Jose Antonio to adjourn the meeting and the members unanimously agreed to adjourn the meeting to re convene at the ECCE 2019 in Baltimore, MD.

Submitted by

Ke Ma

Secretary, IEEE IAS Renewable and Sustainable Energy Conversion Systems Committee