

Final!!

Dear IEEE IES Students and Young Professionals (S&YP),

Congratulations! It is a great honor to announce the Awardees of the IES-SYPA competition for the IEEE IECON 2018.

Important note for the S&YP that applied for the IES-SYPA:

 In this year for the **IEEE IECON'18** we have received **47** applications for the IEEE IES STUDENT & YOUNG PROFESSIONALS PAPER ASSISTANCE (IES-SYPA). The average weighted score is **7.08**. We would like to announce **15 IES-SYPA** (recognition diploma plus up-to **USD 2000** travel costs reimbursement) recipients (see the table below).

transaction	applicant	manuscript title	all authors
WF-016322	Mr. Tianyu Liu, Harbin Institute of Technology, China, Tianyu.Liu0606@gmail.com	A Data-Driven Method for SKR Identification and Application to Stability Margin Estimation	Tianyu Liu, Hao Luo, Kuan Li, Baoran An, Shen Yin
WF-023582	Ms. Mingyi Huo, Harbin Institute of Technology, China, mingyihuo111@163.com	A Data-Driven Fault Detection Approach for Periodic Rectangular Wave Disturbance	Mingyi Huo, Hao Luo, Shen Yin, Okyay Kaynak
WF-023485	Mr. Pramod Kumar Prasobhu, Christian Albrechts Universität, Kiel, Germany, pkp@tf.uni-kiel.de	Optimal trade-off between hard and soft-switching to achieve energy saving in industrial electric vehicles	Pramod Kumar Prasobhu, Felix Hoffmann, Marco Liserre
WF-013773	Mr. Jiliang Wang, Auburn University, United States, jzw0127@auburn.edu	Adaptive Backstepping Control For An Underwater Vehicle Manipulator System Using Fuzzy Logic	Jiliang Wang, John Y. Hung
WF-033677	Mr. Carmine Russomando, DIEM - Università degli studi di Salerno, Italy, c.russomando4@studenti.unisa.it	Sensitivity analysis for the parameter identification of a PEM fuel cell	Walter Zamboni, Carmine Russomando, Giovanni Petrone
WF-013587	Mr. Vivek Raveendran, Kiel University, Germany, vir@tf.uni-kiel.de	Graph Theory-Based Power Routing in Modular Power Converters Considering Efficiency and Reliability	Vivek Raveendran, Markus Andresen, Marco Liserre
WF-012831	Mr. Chinmaya K A, Indian Institute of Technology Roorkee, India, chinmay.vasista@gmail.com	A Plug-in Electric Vehicle (PEV) with Compact Bidirectional CuK converter and Sturdier Induction motor drive	Chinmaya K A, Girish Kumar Singh
WF-021822	Dr. Mohammad Amin, Illinois Institute of Technology, USA, mohammad.amin@ieee.org	Small-Signal Modeling and Analysis of VSM for Distributed Generation in a Weak Grid	Mohammad Amin, Qing-Chang Zhong, Liuxi Zhang, Zuyi Li, Mohammad Shahidehpour
WF-003298	Mr. Shang Gao, Nanjing University of Aeronautics and Astronautics, China, gaoshang@nuaa.edu.cn	Performance Evaluation of A Non-Isolated Three-Port Converter for PV-Battery Hybrid Energy System	Shang Gao, Jiahao Shi, Xiaofeng Dong, Yihang Jia, Hongfei Wu, Haibing Hu
WF-010839	Mr. Sreevatsan Srikanthan, Department of Electrical Engineering, Indian Institute of Technology Madras, India, ee16s062@smail.iitm.ac.in	An Eddy Current-Capacitive Crack Detection Probe with High Insensitivity to Lift-Off	Sreevatsan Srikanthan, Bobby George, Tan Zhichao
WF-002623	Mr. Marko Slunjski, Ljmu, United Kingdom, m.slunjski@2017.ljmu.ac.uk	Analysis of a Symmetrical Nine-phase Machine with Highly Non-Sinusoidal Back-Electromotive Force	Marko Slunjski, Martin Jones, Emil Levi
WF-020532	Mr. Zhao Liu, The State University of New York at Binghamton, United States, zliu86@binghamton.edu	Impact of Inverter-Interfaced Renewable Generation on Transient Stability at Varying Levels of Penetration	Zhao Liu, Yashen Lin, Ziang Zhang
WF-016659	Mr. Harish Sudhakaran Nair, Indian Institute of Technology Madras, India, nair.harish92@gmail.com	Implementation Aspects of a Single Phase Boost PFC Converter	Harish Sudhakaran Nair, Lakshminarasamma N
WF-025127	Mr. Peter Krause, Anu, Australia, peter.krause@alumni.anu.edu.au	Diurnal Thermal Dormant Landmine Detection using Unmanned Aerial Vehicles	Peter Krause, Ehab Salahat, Evan Franklin
WF-030813	Mr. Zahoor Ahmad, Center for Water Informatics & Technology, Pakistan, zahoor.ahmad@lums.edu.pk	Spatially Distributed Water Quality Monitoring using Floating Sensors	Zahoor Ahmad, Rubab Khalid, Abubakr Muhammad

Mandatory requirements and important notes:

- I. Please take into account that IEEE IES must follow general rules of IEEE related with OFAC Sanctions Programs to learn more please see <https://www.ieee.org/about/compliance/ofac/sanctions.html>. For more details, you may ask The Legal and Compliance Department available to assist with reviewing any

questions that you may have with respect to OFAC or other compliance matters and can be reached at compliance@ieee.org.

- II. You will have to be active during the conference as a volunteer. For tasks and more details, please contact Secretary of IECON at: iecon2018admn@gmail.com, with CC. to prof. Milos Manic, Gen. Chair, IECON2018 at: generalchair@iecon2018.org and to marek.jasinski@ieee.org.
- III. **Students and Young Professionals** have to present their project in a 3-minutes speech (3Ms) with hardware demonstration (if applicable) or video clip.
- IV. **Please send the declaration and confirmation that you will prepare a 3 minutes movie and speech to **Hani Vahedi** (hani.vahedi@ieee.org) and **Marek Jasinski** (gold.ies.ieee.chair@gmail.com) as fast as possible, but not later than **25.09.2018**!**
- V. **Then, you will receive the full instruction on how to prepare that movie and speech for 3Ms IES-SYPA Speech Video Session.**
- VI. Your video will be uploaded on IES YouTube Channel, Facebook Page, and IEEE Collabratec to be available during the conference. Important:
 - a. Please open an **IEEE Collabratec** account with your IEEE login information.
 - b. For the confirmation, please send to hani.vahedi@ieee.org your IEEE Collabratec username email.
 - c. You will be added to the IES-SYPA Group.
 - d. Once your video is approved and uploaded to the IES YouTube, then you should post it to the **IEEE Collabratec** Group and to the Facebook event page.
- VII. Please be sure that during the conference **you will have your video available also off-line** and the hardware demonstration (if applicable).
(Time and place for 3Ms presentation will be announced by the General Chair of the Conference)
- VIII. The diplomas for the IES-Student Paper Travel Assistance (IES-SYPA) will be presented during the conference.
(Time and place will be announced by the General Chair of the Conference - usually Gala Dinner)
- IX. **Take photos during the conference and submit them on your and IES Facebook profile.**
- X. Submit your expenses report and chose the IES-SYPA payment method (wire transfer or cheque). All documents have to be sent to:
IES Treasurer **C.J. (Allen) Chen**: c.j.chen@ieee.org
with CC to the Chair of the SYP Activity Committee Marek Jasinski: gold.ies.ieee.chair@gmail.com.
- XI. PLEASE NOTE THAT IEEE IES STUDENT & YOUNG PROFESSIONALS PAPER ASSISTANCE is consist of:
- Recognition Diploma and
- up to USD **2000** travel cost reimbursements.
- XII. You can find all the necessary information on Industry Electronics Society websites:
<https://www.facebook.com/IndustrialElectronicsSociety/>
<http://www.ieee-ies.org/SYP>

XIII. Instruction for travel reimbursements can be found at:
<http://www.ieee-ies.org/members/treasurer-information>

Please fill in the following documents:

- Single or Multi-Currency Expense Report Form.
- Wire Transfer Request Form.
- Remember to send in pdf your invoices and receipts from, e.g. hotel, airplane, conference fee, taxi, bus, train, meals.

On behalf of the IEEE IES-SYPA Competition Jury:

*IEEE IES President Xinghuo Yu, IES Treasurer C.J. (Allen) Chen, and IES President Elect Terry Martin,
Vice President for Conference Activities Juan José Rodríguez Andina,
Vice President for Membership Activities Yousef Ibrahim,
Conference General Chairs: Milos Manic, Kamal Al-Haddad, Mo-Yuen Chow
Web & Information Committee: Andres A. Nogueiras Melendez, Aleksander Malinowski,
Ad-Hoc committee related to IEEE OFAC Sanctions Programs:
Gus Wagner Director, Technical Activities Operations and Society Support Services IEEE Technical Activities.
Matt LaFleur Technical Community Program Coordinator IEEE Technical Activities.
and Young Professional & Student Activity Committee: Marek Turzynski, Hani Vahedi, Marek Jasinski.*

*Congratulations and Good Luck,
Chair of the IEEE IES Young Professional & Student Activity Committee,
Marek Jasinski*