

Warsaw University of Technology, Poland, 22.05.2019

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

**Update!** Thank you for your excellent contribution and congratulation! It is a great honor to announce the Awardees of the IES-SYPA competition for the IEEE **ISIE 2019**.

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

In this year for the **IEEE ISIE 2019** we have received **35** applications for the IEEE IES STUDENT & YOUNG PROFESSIONALS PAPER ASSISTANCE (IES-SYPA). The average weighted score is **7.05**. We would like to announce **12 IES-SYPA** (recognition diploma plus up-to **USD 2000** travel costs reimbursement) and **1 IES-SYPA (diploma)** recipients (see the table below).

transaction	applicant	manuscript title	all authors	weighted total average
VF-011118	Deepak Ronanki, University of Ontario Institute of Technology, Canada, dronanki@ieee.org	Hybrid State of Charge Estimation Approach for Lithium-ion Batteries using k-Nearest Neighbour and Gaussian Filter-based Error Cancellation	Manjot Singh Sidhu, Deepak Ronanki, Sheldon Williamson	8.66
VF-010731	Sadeeshvara Silva Thotabaddadurage, University of Waikato, New Zealand (Aotearoa), sus1@students.waikato.ac.nz	Investigating the impact of ferrite magnetic cores on the performance of supercapacitor assisted surge absorber (SCASA) technique	Sadeeshvara Silva Thotabaddadurage, Nihal Kularatna, Alistair Steyn-Ross	8.37
VF-016381	Serhat Tekin, Istanbul Technical University, Turkey, tekinserh@itu.edu.tr	Remotely Accessible Open Test Platform for CPS Transportation and CAV Research	Eren Cakmak, Serhat Tekin, Aykut Ozdemir, Orion Lawlor, Seta Bogosyan	8.36
VF-012327	Kenan Yong, Nanjing University of Aeronautics and Astronautics, China, yongkenan@outlook.com	Wind Estimation-based Robust Flight Control for UAV with Active Maneuverability Limit	Kenan Yong, Qingxian Wu, Mou Chen	8.30
VF-010162	Sushil Silwal, Mississippi State University, Starkville, MS 39759, USA, ss2821@msstate.edu	Impact of Feed-forward and Decoupling Terms on Stability of Grid-Connected Inverters	Sushil Silwal, Masoud Karimi-Ghartemani, Houshang Karimi, Roshan Sharma	6.93
VF-015113	Zhenhuan Ding, Binghamton University, United States, zdzing1@binghamton.edu	A Behind-the-Meter Battery Control Algorithm with the Consideration of Li-ion Battery Degradation	Zhenhuan Ding, Ziang Zhang	7.93
VF-009717	Saran Satsangi, IIT Roorkee, India, anujat2006@gmail.com	Energy Savings Estimation Considering Volt/VAr Optimization and Distributed Generation	Saran Satsangi, Ganesh Kumbhar	7.68
VF-010707 (diploma)	Paul Frutos, Universidad San Francisco de Quito, Ecuador, pfrutosg@usfq.edu.ec	Quad-Active-Bridge as the basic cell of a MMC Based SST for DER and DESS Integration	Paul Frutos, Fernando Briz, Alberto Sanchez, Juan Manuel Guerrero	7.66
VF-011215	Luccas Matiuzzi Kunzler, Concordia University, Canada, luccasmk@gmail.com	Hybrid Single Phase Wide Range Amplitude and Frequency Detection with Fast Reference Tracking	Luccas Matiuzzi Kunzler, Luiz A. C. Lopes	7.36
VF-007501	Juanting Xu, Shanghai Jiaotong University, China, xujt17@sjtu.edu.cn	Game-theoretic Energy Management with Velocity Prediction in Hybrid Electric Vehicle	Juanting Xu, Amro Alsabbagh, Dongxiang Yan, Chengbin Ma	7.34
VF-010863	Xiang Peng, University of British Columbia, Canada, xiangpeng2017@alumni.ubc.ca	Parameterizing Magnetic Flux Leakage Data for Pipeline Corrosion Defect Retrieval	Xiang Peng, Chengkai Zhang, Uchenna Anyaoha, Kevin Siggers, Zheng Liu	6.28
VF-010227	Fulong Li, Aston University, United Kingdom, lif12@aston.ac.uk	Virtual Negative Cable Resistance for Power Sharing Accuracy Enhancement in DC Microgrids	Fulong Li, Zhengyu Lin, Jiande Wu, Wuhua Li	7.22
VF-011312	Arthur A. Z. Soares, MidiaCom Labs, Brazil, arthurz@midia.com.br	An Efficient Authentication Mechanism based on Software-Defined Networks for Electric Vehicles	Arthur A. Z. Soares, Diogo M. F. Mattos, Yona Lopes, Dianne S. V. Medeiros, Natalia C. Fernandes, Débora C. Muchaluat-Saade	7.22

**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](mailto: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 ISIE 2019 at [ieee.isie2019@gmail.com](mailto:ieee.isie2019@gmail.com), Yang Shi <[yshi@uvic.ca](mailto:yshi@uvic.ca)>, Gen. Chair of ISIE 2019 and to Hani Vahedi <[hani.vahedi@ieee.org](mailto:hani.vahedi@ieee.org)>.
- III. **Students and Young Professionals** must present their project in a 3-minutes speech (3Ms) accompanied by a 3-minute video clip and with hardware demonstration (if applicable).
- IV. You will receive the SYPA result by email from Marek Jasinski, and then, you will receive the full instruction on how to prepare that video and speech for 3Ms IES-SYPA Speech Video Session and the submission deadline from Hani Vahedi ([hani.vahedi@ieee.org](mailto:hani.vahedi@ieee.org)).
- V. 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, and you will receive the information about how to join the IES-SYPA group.
  - b. 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.
- VI. Please be sure that during the conference you should have your video available offline and the hardware demonstration (if applicable).  
***(Time and place for 3Ms presentation will be announced by the General Chair of the Conference)***
- VII. 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)***
- VIII. **Take photos during the conference and submit them on your and IES Facebook profile.**
- IX. Submit your expenses report via Concur:  
In Concur, please select the following expense report purpose (ERP).  
Expense Report Purpose Lvl 1 - Technical Activities Societies  
Expense Report Purpose Lvl 2 - Industrial Electronics Society  
Expense Report Purpose Lvl 3 - VP-Membership Student Activities  
Expense Report Purpose Lvl 4 - YPROS (this is the only option available to select)  
If you have further questions, please check:  
<http://www.ieee-ies.org/members/treasurer-information>  
<http://www.ieee-ies.org/members/treasurer-information/31-members/treasurer/238-faqs-treasurer-info>  
IES operating unit team contact is Matt LaFleur.
- X. PLEASE NOTE THAT IEEE IES STUDENT & YOUNG PROFESSIONALS PAPER ASSISTANCE is consist of:  
- Recognition Diploma  
- up to USD **2000** travel cost reimbursements.
- XI. You can find all the necessary information on Industry Electronics Society websites:  
<https://www.facebook.com/IndustrialElectronicsSociety/>  
<http://www.ieee-ies.org/SYP>

On behalf of the IEEE IES-SYPA Competition Jury:

*IEEE IES President Xinghuo Yu, IES Treasurer Milos Manic, 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: Yang Shi, 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*