Editorial
IEEE Journal of Emerging and Selected Topics in Power Electronics

AS WE enter the new year of 2019, at the time of this writing, we are glad to report that our journal, IEEE JOURNAL OF EMERGING AND SELECTED TOPICS IN POWER ELECTRONICS (IEEE JESTPE) now stands among the top 3% of all journals in electrical and electronic engineering. The metrics that IEEE reported for the year of 2017 are: Impact factor of 5.117, Eigen Factor of 0.00996, and Article Influence Score of 1.892. For JESTPE to achieve such great influence in its short five-year history, from its inception in 2013 to 2017, is quite an accomplishment. As the founding Editor-in-Chief, I am extremely thankful for the good fortune that I have had to work with the large number of talented volunteers on our regular editorial board and guest editorial board.

IEEE JESTPE, as the name suggests, publishes both regular papers and special issue papers. For the past six years (2013-2018), we have published a total of 718 papers. Our regular editorial board, including editors, associate editors and reviewers, has published a total of 269 regular papers that cover a wide range of topics in power electronics and systems. Our guest editorial board, including guest editors, guest associate editors and regular reviewers, have published a total of 22 special issues with a total of 449 special issue papers.

The special issues titles are as follows: The Future of Power Electronics (Mar., Jun., and Sep., 2013), Wind Applications (Dec. 2013 and Mar., 2014), Advanced Control of Electric Motor Drives (Jun., 2014), Miniaturized Power Electronics Systems (Sep., 2014), Transportation Electrification (Sep., 2014), Modeling and Control of Power Electronics for Renewable Energy and Power Systems (Dec., 2014), Wireless Power Transfer (Mar., 2015), LED Drives (Sep., 2015), Sustainable Energy Systems Integration (Dec., 2015), Harmonics, Stability, and Mitigation in Power Electronics (Mar., 2016), Power Electronics and Biomedical Applications (Mar., 2016), Green Power Supplies (Jun., 2016), Wide-Bandgap Power Devices and Applications (Sep., 2016), Resilient Microgrids (Dec. 2016), Emerging Electric Ship MVDC Power Technology (Mar., 2017), Distributed Generation (Jun., 2017), Structured DC Microgrids (Sep, 2017), Power Electronics and Systems: Modeling, Analysis, Control and Stability (Dec., 2017), Power Supply on Chip (Jun., 2018), Asynchronous Interconnect and Generation (Sep., 2018), Emerging Topics in Lighting (Sep., 2018), and Predictive Control in Power Electronics, Electrical Drives and Industrial Applications (Dec., 2018).

I am extremely pleased to see the papers that we have selected for the prize paper awards on an annual basis. So far, we have awarded a total of 15 prize papers, starting in 2015. The prize papers are nominated by our regular editorial board and the guest editorial board. Each person can nominate up to two papers to be considered by the editorial board. The process usually starts in May of each year for papers published in the previous year.

Besides the technical prestige that JESTPE has built, the journal also met its economic goals for self-sustainability. JESTPE reached the targeted page count of 1200 published pages in the second year from its inception, received indexing in *JCR* 17 months from its inception, and turned a profit in the fourth year from its inception. In 2018, JESTPE published 2,350 pages and the trend will continue in the years to come, since we have seen submission approaching 1,000 original manuscripts in 2018.

As we move forward into 2019, we are glad to welcome our new Editor-in-Chief, Prof. O. Ojo from Tennessee Technical University. Dr. Ojo has served as the Deputy EiC for IEEE JESTPE in the past six years. He has actively participated in our editorial board and directly contributed to JESTPE's success from the beginning. We are sure he will continue our tradition of excellence in the emerging technology areas, and strive to build the technical prestige of IEEE JESTPE.

Last but not least, I'd like to thank all our support staff from the IEEE Publications Department and the IEEE Power Electronics Society, the administrative home of JESTPE. They are: Kristin Falco and Andrew McIntosh, for their comprehensive work as the publishing editors; Sonal Parikh, for her tireless assistance and timely resolution of S1M related issues; Marelene James, Mike Markowycz, Feng Bo, Joanna Zbozien, and Becky Boresen for their administrative support and dedication; and Mike Kelly, PELS Executive Director, for his leadership in providing timely administrative support to our journal.

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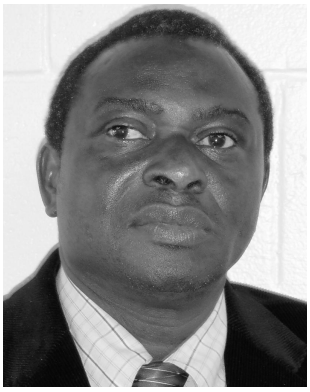
He is currently a Distinguished Engineer and a Senior Staff Manager with Northrop Grumman Aerospace Systems (NGAS), Redondo Beach, CA, USA. His double forward technology was licensed to a major telecommunications company. His adiabatic point-of-load technology has demonstrated a record efficiency of 99% at 10 W. His APOL Program has attracted tens of millions in customer investment. He is widely recognized as an authority in power management technology not only within NGC, but also with the National Aeronautics and Space Administration (NASA), Air Force, and the Government customer communities, contributing directly to our nation's top space programs.

Dr. Tan was a recipient of the NGAS Fellow Award in 2011, the Chinese Institute of Engineers Award, USA, the Asian American Engineer of the Year Award in 2010, the NGAS Asian American Achievement Award in 2009, the American Institute of Aerospace and Aeronautics Space Systems Award in 2008, the Joint Army Navy NASA Air Force Outstanding Achievement in Spacecraft Propulsion in 2007, the Northrop Grumman Space Technology President Award for Innovation, and the NGST Distinguished Patent Award both in 2002. He served numerous times as the Topic Chair and the Session Chair. He is the President of the IEEE Power Electronics Society (PELS). He is the inaugural Editor-in-Chief of the IEEE JOURNAL OF EMERGING AND SELECTED TOPICS IN POWER ELECTRONICS. He served as the Guest Editor-in-Chief for the IEEE TRANSACTIONS ON POWER ELECTRONICS and the IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS. He serves on steering committees of numerous core power electronics conferences, including the IEEE Energy Conversion Congress and Exposition (ECCE), ECCE Global Series, Applied Power Electronics Conference (APEC), and the International Telecommunication Energy Conference. He served as the PELS Vice President for operations from 2009 to 2012 and the Vice President for meetings from 2001 to 2004, entire APEC leadership positions from 1997 to 2000, the Chair of the Department of Defense/IEEE Joint Working Group on Open Systems from 1997 to 2004, developing American National Standards Institute/IEEE Standards 1515-2000 and 1573-2003, which are both used by the Environmental Protection Agency's Energy Star Program, and the Chair of the PELS Los Angeles Council Chapter from 1995 to 2001. He served numerous times as a reviewer for numerous IEEE TRANSACTIONS and conferences. He served as the TPEL Associate Editor with Prof. Hoft from 1996 to 2001.



Olorunfemi Ojo (M'87–SM'95–F'10) was born in Kabba, Nigeria. He received the Bachelor's and Master's degrees in electrical engineering from Ahmadu Bello University, Zaria, Nigeria and the Ph.D. degree in electrical and computer engineering from the University of Wisconsin–Madison, Madison, WI, USA. He is currently a Professor of Electrical and Computer Engineering with Tennessee Tech University, Cookeville, TN, USA. His research interests include electric machine analysis and drive control, switching converter technology, and modern control applications in converter-enhanced power and distributed energy generation systems. Dr. Ojo was the Chair of the Industrial Power Converter Systems Department of the IEEE Industry Application Society. He is also an Associate Editor of the IEEE TRANSACTIONS ONPOWER ELECTRONICS. He is the current Editor-in-Chief of the IEEE JOURNAL OF EMERGING AND SELECTED TOPICS IN POWER ELECTRONICS.