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441	Combined Machine Learning and Differential Evolution for Optimal Design of Electric Aircraft Propulsion Motors	David Stewart (University of Kentucky)*; Matin Vatani (University of Kentucky); Rosemary E. Alden (University of Kentucky); Donovin Lewis (University of Kentucky); Pedram Asef (University College London); Dan M. Ionel (University of Kentucky)	1823-1828
442	Renewable energy-powered BLDC motor- based appliances based on supercapacitor- assisted converters for DC homes	Nirashi Polwaththa Gallage (University of Waikato)*; Nihal Kularatna (University of Waikato); Dulsha Kularatna-Abeywardana (The University of Auckland); D. Alistair Steyn-Ros (The University of Waikato)	1829-1833
443	Design and Control Strategy of DAB Converter with 3.3 kV SiC-MOSFETs for SSTs	Takanori Isobe (University of Tsukuba)*; Cheng Huang (University of Tsukuba); Tomoyuki MANNEN (University of TSUKUBA)	1834-1839
444	Fault-Ride-Through Operation of Solid-state- Transformer Equipped With Ultra Small Capacitors in H-Bridge Cells	Tomoyuki MANNEN (University of TSUKUBA)*	1840-1843
445	Status and challenges of energy efficiency & conservation using DC power technologies in Japan	Keiichi Hirose (NEDO)*	1844-1849

447	Recent Energy-Saving Technologies for Railway Traction Systems	Soya Kawasaki (Waseda university)*; Keiichiro Kondo (Waseda University)	1850-1855
448	Sustainable EV system for next-generation reginal society	Takahiro Suzuki (Reitaku University)*	1856-1861
449	Variable Off-time Control for Mixed Conduction Mode Boost PFC Converter	Jizhe Wang (Fukuoka University)*; Tadashi Suetsugu (Fukuoka University); Fujio Kurokawa (Nagasaki Institute of Applied Science)	1862-1866