

Date	Rm. #	Paper No.	Paper Title	Authors and Affiliations	Note) Name with * is a presetting author
May 26 (Thu.)	F204	SS-7: Wide Band Gap Devices and Related Issues-1		Chair: Atsushi Tanida (TOYOTA MOTOR CORPORATION)	
		20169047	SiC Trench MOSFETs and the High Temperature Operation Module With Them.	Takashi Nakamura*, Hirotaka Otake, Masatoshi Aketa, Yuki Nakano, Toshio Hanada (ROHM Co., Ltd.)	
		20169048	Electrical properties of p-type 4H-SiC epilayers	Masashi Kato* (Nagoya Institute of Technology)	
		20169049	Key Technologies and Challenges for Air Cooling of Wide Band-Gap Electronics	Ercan M. Dede*, Feng Zhou, Shailesh N. Joshi (Toyota Research Institute of North America)	
		20169050	SiC DiodeMOS : Diode-integrated MOSFETs for Automotive Applications	Tetsuzo Ueda*, Haruyuki Sorada, Yoshihiko Kanzawa, Kazuyuki Sawada, Eiji Fujii (Panasonic Corporation)	
May 26 (Thu.)	F204	SS-8: Wide Band Gap Devices and Related Issues-2		Chair: Masashi Kato (Nagoya Institute of Technology)	
		20169051	Recent Developments in SiC Power Devices and its Applications	Takeharu Kuroiwa*, Masayuki Furuhashi, Katsutoshi Sugawara, Shiro Hino, Tomokatsu Watanabe, Shuhei Nakata, Satoshi Yamakawa (Mitsubishi Electric Corporation)	
		20169052	Wide Band Gap Materials: Revolution in Automotive Power Electronics	Luca Bartolomeo*, Luigi Abbatelli, Michele Macaudo, Filippo Di Giovanni, Giuseppe Catalisano, Miroslav Ryzek, Daniel Kohout (STMicroelectronics)	
		20169053	COST, SIZE, AND WEIGHT REDUCTION BENEFITS OF USING GaN IN AUTOMOTIVE SYSTEMS	Jim Witham* (GaN Systems)	
		20169054	Wide Input Range and Ripple free Output Isolated Converter for Electrical or Hybrid Vehicle based on a Current Fed Buck Flyback-Forward topology using SiC MOSFETs	Reda Chelghoum (Valeo/GeePs), Larbi Bendani (Valeo), Daniel SADARNA Sadarna (GeePs)	
20169055	Quantifying the Benefits of SiC MOSFET on Efficiency and Power density of EV Power Converter Unit.	Rene A. Barrera-Cardenas*, Takanori Isobe (University of Tsukuba), Marta Molinas (Norwegian University of Science and Technology)			

Date	Rm. #	Paper No.	Paper Title	Authors and Affiliations	Note) Name with * is a presetting author
May 26 (Thu.)	F205	SS-9: Stationary and Dynamic Wireless Power Transfer		Chair: Yukio Yokoi (Kyoto University)	
		20169056	Wireless Charging System for Electric Vehicles / Plug-In Electric Vehicles by IHI Corporation	Eiichiro Fujiwara* (IHI Cororation)	
		20169057	Dynamic Wireless Power Transfer System for Passenger EVs	Toshiyuki Fujita*, Hiroyuki Kishi, Tomio Yasuda (Technova Inc.), Tsutomu Ishima (SPC Electronics Corporation), Hiroyuki Matsumori (Aisin Seiki Co. Ltd.), Kaoru Tanaka (NEXCO Reserch Institute Japan), Yasuyoshi Kaneko (Saitama University), Takafumi Koseki (The University of Tokyo)	
		20169058	Design and Optimization of Shielding Structure for Wireless Power Transfer System in EV Application	Kai Song*, Zhenjie Li, Jinhai Jiang, Zhijiang Du, Chunbo Zhu (Harbin Institute of Technology)	
		20169059	Verification Test of Wireless Charging System for PHV	Kensuke Kamichi*, Toru Nakamura (Toyota Motor Corporation)	
May 26 (Thu.)	F205	RS-4: Wireless Power Transfer for Electrified Mobility		Chair: Kai Song (Harbin Institute of Technology)	
		20169060	Secondary-side-only Simultaneous Power and Efficiency Control in Dynamic Wireless Power Transfer System	Giorgio Lovison*, Daita Kobayashi, Takehiro Imura, Yoichi Hori (The University of Tokyo)	
		20169061	Experimental Verification for Wireless In-Wheel Motor using Synchronous Rectification with Magnetic Resonance Coupling.	Motoki Sato* (The University of Tokyo/Toyo Denki Seizo K.K.), Giuseppe Guidi (Sintef Energy), Takehiro Imura, Hiroshi Fujimoto (The University of Tokyo)	
		20169062	Application examination of the wireless power transfer systems for a running AGV(automated guided vehicle)	Masayoshi Sugino* (NIPPON SOKEN, INC.), Toshihiko Inagaki (DENSO CORPORATION), Shigeru Takeda (DENSO WAVE INCORPORATED)	
		20169063	Reduction in Radiation Noise Level for Inductive Power Transfer System with Spread Spectrum	Kent Inoue*, Keisuke Kusaka, Jun-ichi Itoh (Nagaoka University of Technology)	

Date	Rm. #	Paper No.	Paper Title	Authors and Affiliations	Note) Name with * is a presetting author	
May 26 (Thu.)	F206	RS-5: Energy Management and Control on EV/HEV		Chair: Kiyotaka Kawashima (Qualcomm Japan)		
		20169064	Bench Test of Range Extension Autonomous Driving for Electric Vehicles Based on Optimization of Velocity Profile Considering Traffic Signal Information	Hiroshi Fujimoto*, Hideki Yoshida (The University of Tokyo), Daisuke Kawano, Yuichi Goto (National Traffic Safety and Environment Laboratory), Misaki Tsuchimoto, Koji Sato (Ono Sokki Co., Ltd.)		
		20169065	Design of an Optimal Speed Profile of an Electric Vehicle charged by Dynamic Wireless Power Transfer for Minimizing the Energy Consumption	V.D. Doan*, T. Koseki (The University of Tokyo), T. Yasuda, H. Kishi, T. Fujita (Technova Inc.)		
		20169066	A Comparative Study on Power Characteristics and System Efficiency for Plug-in Hybrid Electric Vehicles	Hanho Son*, Sunyoung Park, Sungbae Jeon, Hyunjong Ha, Hyunsoo Kim (School of Mechanical Engineering, Sungkyunkwan University)		
		20169067	Energy economy torque distribution strategy for an intelligent plug-in hybrid propulsion system	Bo-Chun Hsu*, Liang-Hsi Yen, Kang Li, Jia-Yu Yen, Jung-Ho Cheng (National Taiwan University)		
		20169068	Torque distribution of blended braking systems for electric vehicles on the downhill road considering energy recovery and comfort	Wenfei Li*, Haiping Du, Weihua Li (University of Wollongong)		
May 26 (Thu.)	F206	RS-6: Electric Machines and System Configurations for EV/HEV		Chair: Masatsugu Takemoto (Hokkaido University)		
		20169069	Development of Inverter-Integrated Motor Units	Junichi Aoki*, Tadashi Ashikaga, Yoshinori Nakano, Koji Nagata, Hiroaki Kakei (Meidensha Corporation), Joji Matsubara, Masaya Okamoto, Yasumasa Yamamoto, Sakae Ishida (Mitsubishi Motors Corporation)		
		20169071	Radial Force Approximation for Noise and Vibration Reduction of Switched Reluctance Motor	Jihad Furqani*, Noboru Kurihara, Akira Chiba (Tokyo Institute of Technology)		
		20169072	Characteristics Comparison of Switched Reluctance Generator Driven by An Asymmetric Converter with Three Control Schemes	Yosuke Murakami*, Kohei Kawasaki, Yusuke Kobayashi, Keichi Shibuya, Nobukazu Hoshi, Kosuke Uchida (Tokyo University of Science)		
		20169073	Design Procedure of a High-Speed Surface Permanent Magnet Motor with High Acceleration	Takayuki Nakahata*, Sayaka Oono, Akira Chiba (Tokyo Institute of Technology)		