

# 半導体電力変換研究会

〔委員長〕 竹下隆晴（名古屋工業大学）

〔副委員長〕 小倉常雄（東芝）

〔幹事〕 藤田英明（東京工業大学），金井丈雄（東芝三菱電機産業システム）

〔幹事補佐〕 和田圭二（首都大学東京），近藤圭一郎（千葉大学）

日 時 2008年9月26日(金) 13:00～17:05  
2008年9月27日(土) 9:00～12:40

会 場 Yujin Hotel（韓国，交通，KTX で，ソウルから約1時間，または釜山から約2時間。）

会場世話人 西田保幸（日本大学），伊東淳一（長岡技術科学大学）

## 共 催

IEEE Industry Applications Society Japan Chapter

IEEE Power Electronics Society Japan Chapter

IEEE Industrial Electronics Society Japan Chapter

議 題 テーマ「半導体電力変換一般」

\*発表は、韓国側の発表と交互に行います。

9月26日(金)

SPC-08-115 A Novel Soft-Switching Phase-Shifted PWM Three-Level DC-DC Converter with Primary-Side Circulating Current Reduction Scheme

○Tomokazu Mishima(Kure College of Technology)

Sang Pil Mun(Kyungnam University)

Keiki Morimoto, Toshimitsu Doi(Daihen Corporation)

Mutsuo Nakaoka(Kyungnam University & Industrial College of Technology)

SPC-08-116 Accurate Model for Thermal Power Plant Using Inverter

○Nobumasa Matsui(Nagasaki University, MHI Control Systems Co., Ltd.)

Fujio Kurokawa(Nagasaki University)

SPC-08-117 Soft-Switched PWM Series Load Resonant HF Direct Inverter with High Efficiency PFC Scheme for Consumer IH Cooking Heater

○Hisayuki Sugimura, Sang-Pil Mun, Soon-Kurl Kwon(Kyungam Univ.)

Shinichiro Sumiyoshi, Hideki Omori(Matsushita Electric Industrial)

Mutsuo Nakaoka(Kyungnam University & Industrial College of Technology)

- SPC-08-118 Evaluation of Three-port Indirect Matrix Converter connected to the Neutral Point of Motor  
 ○Goh Teck Chiang, Jun-ichi Itoh(Nagaoka University of Technology)
- SPC-08-119 Induction Generator with Simple AC/AC Converter for Wind Power Generation  
 ○Makoto Sonoda, Noriyuki Kimura, Morizane Toshimitsu, Katsunori Taniguchi  
 (Osaka Institute of Technology)
- SPC-08-120 Power Electronics Applications in Microgrids and SmartGrids  
 ○Toshihisa Funabashi(Meidensha Corporation)
- SPC-08-121 A Non-isolating Type Single-phase AC Photovoltaic Module System Based on Power Pulsation Decoupling  
 ○Mikihiko Matsui, Xiangdong Sun, Kouji Yanagimura(Tokyo Polytechnic University)  
 Byunggyu Yu(Korean Institute of Energy Research)
- SPC-08-122 An Experimental Study on Parameter Variation on an Induction Motor Speed Sensor-less Control Method in Ultra Lower Speed Range.  
 ○Hiroyuki Shibuya, Keiichiro Kondo, Yukihiko Sato(Chiba University)  
 Toshihiro Honma, Shinji Wakao(Waseda University)  
 Takemasa Furuya(Railway Technical Research Institute)
- SPC-08-123 A Control Method of Parallel Power Processing type Uninterruptible Power Supply System Using Parallel Connected Bi-directional Converters.  
 ○Satoru Fujita, Hisashi Fujimoto, Ryuji Yamada  
 (Fuji Electric Advanced Technology Co. Ltd.)

\* The session program has not been finalized yet.

9月27日(土)

- SPC-08-124 Transient Oscillation Suppression of Input Filter Voltage and Current for Matrix Converters  
 ○Takashi Sugiura, Takaharu Takeshita (Nagoya Institute of Technology)
- SPC-08-125 Feasible Evaluations for High Performance Multi-Phase Trans-Linked Boost Chopper Circuit  
 ○Masayoshi Yamamoto, Takahiro Kawashima, Shigeyuki Funabiki  
 (Shimane University)
- SPC-08-126 Discussion on High Efficient DC Power Management for Electric Vehicles  
 ○Sho Inasaka, Atsuo Kawamura, Yukinori Tsuruta  
 (Yokohama National University)
- SPC-08-127 Evaluation and Analysis of Loss of Receiving Transformer Caused by Harmonics Current and Voltage  
 ○Chiharu Sasaki, Hirohito Funato(Utsunomiya University)
- SPC-08-128 A new robust control for the RF impedance matcher for plasma processing

○Yuki Hirose, Atsuo Kawamura(Yokohama National University)  
Atsushi Takayanagi, Koichi Takada(Kyosan Electric Mfg. Co., Ltd.)

- SPC-08-129 A Control Method of Smoothing Output Power in Wind Power System Using a Wound Rotor Induction Generator  
○Takahiro Miyakawa(Kitakyushu National College of Technology)  
Katsuji Shinohara, Kichiro Yamamoto, Minoru Ikeda, Hiromichi Hama  
(Kagoshima University)
- SPC-08-130 Calculation of motor surge voltage under the use of a surge suppression cable  
○Toshihisa Shimizu, Mikiya Saito(Tokyo Metropolitan University)  
Masanori Nakamura(Oki Electric Cable Co., Ltd.)
- SPC-08-131 Family of 3-Phase 24-Pulse Passive PFC with Combination of 12-Pulse Topology and Pulse-Doubling Auxiliary Circuit  
Yasuyuki Nishida, ○Arnabha Datta(Nihon University)
- SPC-08-132 Study on variable sampling quasi multi-rate deadbeat control for DC-DC converter  
Fumitoshi Tabuchi, Tomoki Yokoyama(Tokyo Denki University)

◎講演時間 1件当り質疑応答を含め20分

◎見学会 9月26日 9:00~12:00, KIER, the Korean Institute of Energy Research(集合 9:00, Yujin Hotel ロビー)

◎懇親会 9月26日 18:00~20:00, 場所 Yujin Hotel

◎問合せ先

西田保幸 (日本大学) TEL/FAX 024-956-8788, nishida( )ee.ce.nihon-u.ac.jp,

伊東淳一 (長岡技術科学大学) TEL/FAX 0258-47-9533, itoh( )nagaokaut.ac.jp,

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