

電気学会研究会資料目次

プラズマ 合同研究会 パルスパワー

[委員長] 小野 茂 (武藏工業大学)
[副委員長] 行村 建 (同志社大学)
[幹事] 小野 靖 (東京大学), 池畠 隆 (茨城大学)
[幹事補佐] 堤井君元 (九州大学)
[委員長] 堀岡一彦 (東京工業大学)
[副委員長] 江 偉華 (長岡技術科学大学)
[幹事] 高木浩一 (岩手大学)
[幹事補佐] 新開裕行 (電力中央研究所)

日 時 平成18年8月7日(月) 9:00~17:10
平成18年8月8日(火) 9:00~12:30

場 所 米国ハワイ州カウアイ島
Courtyard Kauai at Waipouli Beach
4-484 Kuhio Highway, Kauai, Hawaii 96746 USA
Tel: 1-808-822-3455 Fax: 1-808-822-0035

テーマ「パルスパワーとプラズマの応用技術」

| | | |
|-----------|---|----|
| PST-06-54 | Investigation of Extrinsic, Compensated, Semi-Insulating Silicon Carbide | |
| PPT-06-37 | Photo-conductive Switches for Pulse Power Applications | |
| | W. C. Nunnally, N. Islam, K. Kelkar, | |
| | C. Fessler, J. E. Thompson (University of Missouri, Columbia, USA) | 1 |
| PST-06-55 | Toward Practical Toluene Removal Using Adsorption and Nonthermal Plasma Desorption | |
| PPT-06-38 | Toshiaki Yamamoto, Tomoyuki Kuroki, Ryohei Kawabata, Masaaki Okubo (Osaka Prefecture University) | 7 |
| PST-06-56 | Atmospheric Pressure Microwave H ₂ O Plasma Source—About the Plasma Characteristics | |
| PPT-06-39 | Y. Matsuo, M. Unno, S. Ono (Musashi Institute of Technology) | 13 |
| PST-06-57 | Dilute TCE decomposition by the nonthermal plasma combined with MnO ₂ -supported | |
| PPT-06-40 | alumina Tetsuji Oda, Koichi Ono, Ryo Ono (The University of Tokyo) | 19 |

| | | |
|-----------|---|----|
| PST-06-58 | Hybrid Nano-diamond Coating made by Plasma Process | |
| PPT-06-41 | | |
| | N. Sakudo, N. Ikenaga, Y. Tashiro, A. Sakamoto (Kanazawa Institute of Technology) | |
| | H. Yasui, K. Awazu (Industrial Research Institute of Ishikawa) | 25 |
| PST-06-59 | Operation Mode of Oversized Backward Wave Oscillator Driven by Weakly | |
| PPT-06-42 | Relativistic Electron Beam | |
| | K. Ogura, Y. Miyazawa, Y. Kiuchi, | |
| | S. Aoyama, H. Tanaka, A. Sugawara (Niigata University) | 29 |
| PST-06-60 | Radiographic Applications of Plasma-Filled Rod-Pinch Diodes | |
| PPT-06-43 | | |
| | B. V. Weber, R. J. Comisso, G Cooperstein, | |
| | D. D. Hinshelwood, D. Mosher, P. F. Ottinger, J. W. Schumer, | |
| | S. J. Stephanakis, S. B. Swanekamp (Naval Research Laboratory, USA) | 35 |
| PST-06-61 | Improvement of Tear Strength using Dielectric Barrier Discharge Plasma | |
| PPT-06-44 | | |
| | Nob. Harada, M. Yoshida, T. Nakamura (Nagaoka University of Technology) | 41 |
| PST-06-62 | Model Improvement of Numerical Simulation of Intense Pulsed Ion Beam | |
| PPT-06-45 | Ablation Propulsion | |
| | Nob. Harada, M. Yazawa, | |
| | C. Buttapeng, S. Azuma (Nagaoka University of Technology) | 47 |
| PST-06-63 | EUV Source Development Using Pulsed High-Current Discharge | |
| PPT-06-46 | | |
| | Nobuaki Oshima, Toru Kimura, | |
| | Syouichi Inokuchi, Weihua Jiang (Nagaoka University of Technology) | 53 |
| PST-06-64 | Development of SOS Generator for Atmospheric Pressure Discharge | |
| PPT-06-47 | | |
| | T. Yokoo, K. Saiki, W. Jiang (Nagaoka University of Technology) | 57 |
| PST-06-65 | Prospective Applications of the Transparent Cathode in Crossed-Field Microwave | |
| PPT-06-48 | Oscillators | |
| | M. Fuks, A. Andreev, H. Bosman, | |
| | S. Prasad, E. Schamiloglu (University of New Mexico, USA) | 61 |
| PST-06-66 | Repetitive Pulsed Power by Power Semiconductor Switches | |
| PPT-06-49 | | |
| | W. Jiang, K. Nakahiro, H. Honma (Nagaoka University of Technology) | |
| | N. Shimizu (NGK Insulators, Ltd.,) | |
| | S. Yoshida, K. Nakanishi, A. Sugiyama (Shindengen Electric Manufacturing, Ltd.,) | |
| | M. Wake, K. Takayama (High Energy Accelerator Research Organization (KEK)) | 67 |

| | | |
|-----------|--|-----|
| PST-06-67 | Control and Confinement of Discharge-pumped-plasma for Efficient Extreme | |
| PPT-06-50 | Ultraviolet Source K. Horioka, M. Shiho, E. Hotta, T. Kawamura, M. Nakajima, M. Masnavi, A. Okino, M. Watanabe, A. Kikuchi, K. Takahashi (Tokyo Institute of Technology) | 71 |
| PST-06-68 | Optimization of a Triode Vircator | |
| PPT-06-51 | J. J. Mankowski, Y. J. Chen, J. Walter, M. Kristiansen (P ³ E Texas Tech University, USA) R. Gale (Texas Tech University, USA) | 75 |
| PST-06-69 | Pulsed Breakdown in Water Under Various Conditions | |
| PPT-06-52 | D. Wetz, J. Mankowski, M. Kristiansen (Texas Tech University, USA) | 81 |
| PST-06-70 | Plasma Armatures for High-Velocity Launch | |
| PPT-06-53 | Ian R. McNab (University of Texas, USA) | 87 |
| PST-06-71 | Low Pressure Multi-Gas Inductively Coupled Plasma Source | |
| PPT-06-54 | Taichi Kageyasu, Kazuyasu Takimoto, Wataru Kumagai, Hidekazu Miyahara, Masato Watanabe, Eiki Hotta, Akitoshi Okino (Tokyo Institute of Technology) | 93 |
| PST-06-72 | Applications of Pulsed Power Discharge in Deep Sea to Sub-Sea Bottom Survey | |
| PPT-06-55 | Hiroshi Yoshida (Japan Agency for Marine-Earth Science and Technology) | 99 |
| PST-06-73 | PULSED POWER SYSTEMS IN LARGE ACCELERATOR COMPLEX | |
| PPT-06-56 | W. Zhang, J. Sandberg (Brookhaven National Laboratory, USA) | 103 |
| PST-06-74 | Electromigration Issues in Pulsed Power System | |
| PPT-06-57 | W. Zhang, J. Sandberg (Brookhaven National Laboratory, USA) | 109 |