POSTER SESSION PROGRAM

P-1 Floating Gate GaN HEMT for Normally-Off Operation

Hiroki Iwata, Yudai Watariguchi, Hayato Kosaka, Tomoyuki Suwa,
Yoshiteru Amemiya and Akinobu Teramot**o**

P-2 New Isolation Method for MTJ Fabrication Using SiN-Sidewall

Hiroki Nakanishi, Junichi Tsuchimoto, Hiroyuki Hosoya, Yoshiteru Amemiya,
Chihiro Watanabe, and Akinobu Teramoto

P-3 ALD Research to Realize Area Selective Process

Kazuma Uesugi, Yoshiteru Amemiya, and Akinobu Teramoto

P-4 Statistical Evaluation of 1/f Noise in MOSFETs

Tatsuki Ueta and Akinobu Teramoto

P-5 Research on Self-Aligned Lithography for Miniaturization of Integrated Circuits

Kyosuke Yoshioka, Yoshiteru Amemiya, Kazuma Uesugi, and Akinobu Teramoto

P-6 Reduction of Contact Resistance in GaN/Metal

Yudai Watariguchi Yoshiteru Amemiya, Hiroki Iwata, Tomoyuki Suwa, and Akinobu Teramoto

P-7 High-Temperature Operation of 4H-SiC MOSFETs Based Differential Amplifier for Harsh Environment Applications

Vuong Van Cuong, Tatsuya Meguro, Seiji Ishikawa, Tomonori Maeda,
Hiroshi Sezaki, and Shin-Ichiro Kuroki

P-8 4H-SiC CMOS Well Formation by using Epitaxial Growth Processes

Toya Kai, Kazutoshi Kojima, Takuma Shima, Takeshi Ohshima,
Yasunori Tanaka, and Shin-Ichiro Kuroki

P-9 Si-SOI/4H-SiC Wafer Direct Bonding with SiO_2 insertion

Kazuya Kawamura, Tatsuya Meguro, Masayuki Tsutsumi, Takeshi Ohshima,
Yasunori Tanaka, and S.-I. Kuroki

P-10 Output Characteristics and Fabrication Process of SOI-Si/4H-SiC Hybrid Pixel Device for Radiation Hardened CMOS Image Sensors

Tatsuya Meguro, Masayuki Tsutsumi, Akinori Takeyama, Takeshi Ohshima, Yasunori Tanaka, and Shin-Ichiro Kuroki

P-11 High Temperature Operation and Reliability of 4H-SiC CMOS Inverters

Takuma Shima, Toya Kai, Kazutoshi Kojima, Yasunori Tanaka, Takeshi Ohshima and Shin-Ichiro Kuroki

P-12 High-Selective Deep RIE of 4H-SiC with SiO_2 Hard Mask in $Cl_2/HBr/O_2$ Plasma Chemistry

Riku Takeuchi, Tadashi Sato, and Shin-Ichiro Kuroki

P-13 Characteristics of 4H-SiC Photodiode and Single-pixel Device for Radiation Hardened UV Image Sensor

Masayuki Tsutsumi, Tatsuya Meguro, Kazuya Kawamura, Akinori Takeyama, Takeshi Ohshima, Yasunori Tanaka, and Shin-Ichiro Kuroki

P-14 Research on Real-Time Temperature Measurement for SiC Wafer during Ultra-Rapid Thermal Annealing Based on Optical-Interference Contactless Thermometry (OICT)

Jiawen Yu, Keiya Fujimoto, Kotaro Matsuguchi, Takuma Sato, Hiroaki Hanafusa and Seiichiro Higashi

P-15 Electroluminescence from Alq_3-Containing Electron Beam Resist for Light Emitting Organic Nanometer-Scale Devices

Anri Nakajima, Hiroki Sakurai, and Shuhei Abe

P-16 Lesion Classification Using Deep Learning for Computer-Aided Diagnosis System in Colorectal NBI Endoscopy

Daisuke Katayama, Yongfei Wu, Ryuichi Michida, Tetsushi Koide, Toru Tamaki, Shigeto Yoshida, Yuki Okamoto, Oka Shiro, Shinji Tanaka, Masayuki Odagawa, and Toshihiko Sugihara

P-17 A Development of Denoising Autoencoder on Anormaly Detection via Cutmix for Computer-Aided Diagnosis in Colorectal NBI Endoscopy

Yongfei Wu, Daisuke Katayama, Ryuichi Michida, Tetsushi Koide, Toru Tamaki, Shigeto Yoshida, Yuki Okamoto, Oka Shiro, Shinji Tanaka, Masayuki Odagawa, and Toshihiko Sugihara