

### VTC2011-Spring Student Paper Award List

Winner	Title	Authors	Affiliation
Shinsuke Yokozawa	<b>Suppression of Quantization Noise for EPWM Transmitter with 2nd-order <math>\Delta</math>-<math>\Sigma</math> Modulator</b>	Shinsuke Yokozawa and Yasushi Yamao	The University of Electro-Communications

### VTC2011-Spring Young Researcher's Encouragement Award List

Winner	Title	Authors	Affiliation
Tomoya Togashi	<b>Experimental Evaluation of Rate Switch Control in Wireless Mesh Networks</b>	Tomoya Togashi, Kenichi Mase, and Hiraku Okada <sup>†</sup>	Niigata University, <sup>†</sup> Saitama University
Pen-Shun Lu	<b>Low-Complexity Strategies for Multiple Access Relaying</b>	Pen-Shun Lu <sup>†*</sup> , Valtteri Tervo <sup>†*</sup> , Khoirul Anwar <sup>†</sup> , and Tadashi Matsumoto <sup>†*</sup>	<sup>†</sup> JAIST, * The University of Oulu
Ryosuke Kimura	<b>CF-Based Adaptive PAPR Reduction Method for Block Diagonalization-Based Multiuser MIMO-OFDM Signals</b>	Ryosuke Kimura, Yuki Tajika, and Kenichi Higuchi	Tokyo University of Science
Shota Yoshimura	<b>Channel-Dependent Adaptive Spreading Code Selection in Downlink MC-CDMA</b>	Shota Yoshimura and Kenichi Higuchi	Tokyo University of Science
Huiting Cheng	<b>Adaptive Semi-Blind Space-Time Equalisation for Frequency Selective Rayleigh Fading MIMO Systems</b>	Huiting Cheng, Sheng Chen <sup>†</sup> , and Yasushi Yamao	The University of Electro-Communications, <sup>†</sup> The University of Southampton
Lin Shan	<b>Hybrid Network Coding and Cooperative Relaying Schemes for Bi-directional Communication Systems</b>	Lin Shan, Hidekazu Murata, Sonia Aissa <sup>†</sup> , and Susumu Yoshida	Kyoto University, <sup>†</sup> University of Quebec
Lianjun Deng	<b>Combined Effect of Transmit Diversity and Frequency Hopping for DFT-Precoded OFDMA in Uplink Frequency-Selective Fading Channels</b>	Lianjun Deng, Teruo Kawamura <sup>†</sup> , Hidekazu Taoka <sup>*</sup> , and Mamoru Sawahashi	Tokyo City University, <sup>†</sup> NTT DOCOMO, *DOCOMO Euro-Labs
Yuichiro Hikosaka	<b>Inter-code Interference Canceller for Control Signals Using Cyclic Shift CDMA in LTE Uplink</b>	Yuichiro Hikosaka, Teruo Kawamura <sup>†</sup> , Nobuhiko Miki <sup>†</sup> , and Mamoru Sawahashi	Tokyo City University, <sup>†</sup> NTT DOCOMO
Yuki Tsuchida	<b>Cell Search Time Performances Using Multipath Signals in LTE Downlink</b>	Yuki Tsuchida, Satoshi Nagata <sup>†</sup> , and Mamoru Sawahashi	Tokyo City University, <sup>†</sup> NTT DOCOMO

Kunitaka Matsumura	<b>Orthogonal Beamforming Using Gram-Schmidt Orthogonalization for Multi-User MIMO Downlink System</b>	Kunitaka Matsumura, and Tomoaki Ohtsuki	Keio University
Hironori Kizuka	<b>Frequency Band Allocation in MIMO System Based on Received Power Difference among Users</b>	Hironori Kizuka, Koichi Adachi, and Tomoaki Ohtsuki	Keio University