

VTC2012-Spring Student Paper Award List

| Winner | Title | Authors | Affiliation |
|---------------|---|--|--|
| Huiting Cheng | Performance Analysis of CSMA/CA Broadcast Relay Network for ITS V2V Communications | Huiting Cheng and Yasushi Yamao | The University of Electro-Communications |
| Yuelin Ma | Fast Baseband Polynomial Inverse Algorithm for Nonlinear System Compensation | Yuelin Ma, Yoshihiko Akaiwa, and Yasushi Yamao | The University of Electro-Communications |

VTC2012-Spring Young Researcher's Encouragement Award List

| Winner | Title | Authors | Affiliation |
|--------------------|--|--|---|
| Marouen Jilani | Joint SVD-GSVD Precoding Technique and Secrecy Capacity Lower Bound for the MIMO Relay Wire-tap Channel | Marouen Jilani and Tomoaki Ohtsuki | Keio University |
| Chaima Dhahri | Learning-based Cell Selection Method for Femtocell Networks | Chaima Dhahri and Tomoaki Ohtsuki | Keio University |
| Genji Hayashi | Superposed Band Detection Based on Error Probability Using Initial Likelihood Masking | Tomoaki Ohtsuki, Genji Hayashi, Jun Mashino [†] , and Takatoshi Sugiyama [†] | Keio University, [†] NTT Access Network Service Systems Laboratories |
| Akihito Taya | A Virtual Successive Detection for Cooperative MU-MIMO Systems with Reduced CSI | Akihito Taya, Satoshi Denno [†] , Koji Yamamoto, Masahiro Morikura, Daisuke Umehara*, Hidekazu Murata, and Susumu Yoshida | Kyoto University, [†] Okayama University, *Kyoto Institute of Technology |
| Tomoya Ohta | A Reduced-Complexity Multiband MIMO Receiver with Estimation of Analog Devices Imperfection | Tomoya Ohta, Masahiro Morikura, and Satoshi Denno [†] | Kyoto University, [†] Okayama University |
| Naohito Kiyomi | A Study on Transmit Beamforming at Source Node in MISO-SISO/MIMO-MIMO AF Relays | Naohito Kiyomi, Julian Webber, Toshihiko Nishimura, Takeo Ohgane, and Yasutaka Ogawa | Hokkaido University |
| Hiroyuki Miyashita | IQ Imbalance Estimation Scheme with Intercarrier Interference Self-Cancellation Pilot Symbols in OFDM Direct Conversion Receivers | Hiroyuki Miyashita, Mamiko Inamori, Yukitoshi Sanada, and Teruji Ide [†] | Keio University, [†] Kagoshima National College of Technology |
| Cong Li | A design of transmit weights for non-regenerative multiuser MIMO relay system | Cong Li and Yasunori Iwanami | Nagoya Institute of Technology |

| Winner | Title | Authors | Affiliation |
|-------------------|---|---|--|
| Seiichiro Okamoto | Non-Linear Distortion Noise Control by Clipping and Filtering in Spectrum Sharing Systems | Seiichiro Okamoto, Shigeru Tomisato, Hiromasa Fujii [†] , Masaharu Hata, Shunji Miura [†] , and Hidetoshi Kayama [†] | Okayama University, [†] NTT DOCOMO |
| Keita Miwa | Performance of Decision-Directed Channel Estimation Using Low-Rate Turbo Codes for DFT-Pre-coded OFDMA | Keita Miwa, Nobuhiko Miki [†] , Teruo Kawamura [†] , and Mamoru Sawahashi | Tokyo City University, [†] NTT DOCOMO |
| Xiaoxue Yu | OFDM Signal Transmission by EPWM Transmitter in Nonlinear RoF Channel | Xiaoxue Yu, Motoharu Matsuura, Shinsuke Yokozawa, and Yasushi Yamao | The University of Electro-Communications |