

## ★スマート無線研究会 (SR)

専門委員長 阪口 啓 副委員長 藤井威生・梅林健太

幹事 亀田 卓・田久 修 幹事補佐 石津健太郎・矢野一人・稲森真美子・芝 宏礼

日時 10月30日(木) 9:00~16:30

31日(金) 9:00~17:30

会場 Infuse Theatre 14th Floor 1 (Fusionopolis Way, #21-01 Connexis (South Tower), Singapore 138672)

議題 Singapore-Japan International Workshop on Smart Wireless Communications (SmartCom2014)

30日午前 Opening and Singapore and Japan presentations (9:00~10:00)

1. TBA Sumei Sun (I2R)
2. TBA Kei Sakaguchi (Osaka Univ.)

Keynote speeches (10:20~11:50)

3. 2 keynote speeches (TBA)

30日午後 Poster session 1 (12:50~14:50)

4. 120-min. poster session and technical exhibition

Special session 1 (14:50~16:30)

5. 4 presentations (TBA)

31日午前 (9:00~10:30)

1. 2 keynote speeches (TBA)

Special session 2 (10:50~12:30)

2. 4 presentations (TBA)

31日午後 Poster session 2 (13:30~15:30)

3. 120-min. poster session and technical exhibition

Special session 3 (15:30~17:20)

4. 4 presentations (TBA)

—List of poster presentation and technical exhibition (from Japan, tentative, as of Aug. 16) —

1. [Poster Presentation] A Study on Listening Synchronization by Subframe Shift for eICIC  
○Mitsukuni Konishi・Daigo Ogata・Atsushi Nagate・Teruya Fujii (Softbank Mobile)
2. [Poster Presentation] Non-linear distortion noise power control according to modulation schemes for cognitive radio systems  
○Ren Kataoka・Yusuke Fujisawa・Shigeru Tomisato・Masaharu Hata (Okayama Univ.)
3. [Technology Exhibit] Broadband Spectrum Sensing Platform Based on Received Waveform Cross-correlation for White Space Usage  
○Takayuki Yamada・Hiroyuki Shiba・Yo Yamaguchi・Takana Kaho・Tadao Nakagawa・Kazuhiro Uehara (NTT)
4. [Poster Presentation] Design of MIMO Downlink System Using Large Transmit Array with Low Computational Load Based on Zero Forcing  
○Tetsuki Taniguchi・Yoshio Karasawa (Univ. of Electro-Comm.)
5. [Technology Exhibit] Field Tests of Measurement-based Spectrum Database over TV Bands  
Koya Sato・○Takashi Kosugi・Masayuki Kitamura・Yuya Ohue・Takeo Fujii (Univ. of Electro-Comm.)
6. [Poster Presentation] Spectrum sensing  
○Yee-Loo Foo (Multimedia Univ.)・Jun-ichi Takada (Tokyo Inst. of Tech.)
7. [Poster Presentation] Network Selection Scheme Using Positioning Information for Heterogeneous Wireless System: Throughput Evaluation Considering Selection Resource Utilization  
○Junpei Kuboniwa・Yuji Miyake・Suguru Kameda・Akinori Taira (Tohoku Univ.)・Hiroshi Oguma (NIT, Toyama College)・Noriharu Suematsu・Tadashi Takagi・Kazuo Tsubouchi (Tohoku Univ.)
8. [Poster Presentation] Identified Primary Sensing using Energy Detection with Radio Environment Information  
○Southivong Vannapha・Fujii Takeo (Univ. of Electro-Comm.)
9. [Poster Presentation] Adaptive per-antenna interference cancellation for DS-CDMA DAN with non-uniform user-distribution  
○Shohei Inoshita・Hiroyuki Miyazaki・Fumiyuki Adachi (Tohoku Univ.)
10. [Poster Presentation] A Study on Tracking Ability of Interference-Aware Channel Segregation for Interference Environment Variation  
○Katsuhiro Temma・Fumiyuki Adachi (Tohoku Univ.)
11. [Poster Presentation] Downlink Transmit Timing Control and Adaptive Antenna Selection in MC-CDMA Distributed Antenna Network  
○Mori Yumeto・Syohei Inosita・Hiroyuki Miyazaki・Fumiyuki Adachi (Tohoku Univ.)
12. [Poster Presentation] Cooperative Transmission System for Reliable Wireless Control—System Characterization in an Environment where Moving Obstacles Exist—  
○Yosuke Saito・Tetsushi Ikegami (Meiji Univ.)

13. [Poster Presentation] Channel Assignment Method for Effective Entry of New Secondary Users in Cognitive Radio ○Takashi Kosugi・Takeo Fujii (Univ. of Electro-Comm.)
14. [Poster Presentation] Accuracy of Data Tracking in Wireless Sensor Networks with Simultaneous Collecting Method ○Osamu Takyu・Ryo Myoenzono・Keiichiro Shirai (Shinshu Univ.)・Takeo Fujii (Univ. of Electro-Comm.)・Mai Ohta (Fukuoka Univ.)・Fumihito Sasamori・Shiro Handa (Shinshu Univ.)
15. [Poster Presentation] Indoor Wi-Fi Localization System with Estimated Channel Impulse Response based Location Fingerprint ○Ryosuke Iwata・Khanh Gia Tran (Tokyo Inst. of Tech.)・Kei Sakaguchi (Osaka Univ.)・Kiyomichi Araki (Tokyo Inst. of Tech.)
16. [Poster Presentation] Development of battery-less sensor networks for LED light control system ○Daiki Maehara (Tokyo Inst. of Tech.)・Gento Matsushita・Yusuke Kuki・Kei Sakaguchi・Seiichi Sampei (Osaka Univ.)・Kiyomichi Araki (Tokyo Inst. of Tech.)
17. [Technology Exhibit] Introduction of the Software Defined Radio (SDR) based Research Platform in the Field of Wireless Telecommunications ○Ayano Ohnishi・Yoshimi Fujii・Hiroyuki Baba (KKE)
18. [Technology Exhibit] Multi-Mode Portable SDR VSAT for Disaster-Resilient Wireless Networks ○Suguru Kameda (Tohoku Univ.)・Hiroshi Oguma (Toyama National College of Tech.)・Mitsuru Sasanuma (SKY Perfect JSAT)・Shigeru Eguchi (ISB)・Komei Kuroda (Cyber Creative Institute)・Noriharu Suematsu (Tohoku Univ.)
19. [Poster Presentation] Maltihop communication performance evaluation of 2.4 GHz sensor network under radio frequency interference caused by 2.4 GHz high speed network ○Naoki Shimada・Tetsushi Ikegami (Meiji Univ.)
20. [Technology Exhibit] Development of Network Simulator to Enable Network Level Performance Evaluation of Cognitive Radio System ○Koji Oshima・Masuto Nishiura・Jun-ichi Yamaguchi (KKE)
21. [Technology Exhibit] Development of System Level Simulation Model for Evaluation of Heterogeneous Wireless Access Network including LTE ○Hiroyuki Baba・Yoto Emori・Koji Oshima・Yoshimi Fujii (KKE)

◎本プログラムは8月18日時点の暫定プログラムです。最新のプログラムはHP等で御確認下さい。

☆SR研究会今後の予定 [ ] 内発表申込締切日

1月29日(木), 30日(金) 北海道〔未定〕テーマ:コグニティブ無線ネットワーク, 異種無線融合型ネットワーク, クロスレイヤ無線技術, SDN, 一般

**【発表申込先】** 下記研究会発表申込システムからお申込み下さい。

<http://www.ieice.org/jpn/ken/kenmoushikomi.html>

**【問合先】**

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◎最新情報はSR研究会のホームページを御覧下さい。

<http://www.ieice.org/cs/sr/jpn/>