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Programs

WPMC'16 Program

	3F SCC VIP	4F Function 6+7	4F Function 1
Sunday 13 November			
08:00 - 17:00		Registration (3F Foyer)	
Monday 14 November			
08:00 - 17:00		Registration (3F Foyer)	
09:00 - 10:30		Welcome Speech + Opening Plenary (3F Ball Room)	
10:30 - 11:00		Coffee Break	
11:00 - 12:30	PHY-1	NET-1	PHY-2
11:00 - 12:30		Steering Committee Meeting	
12:30 - 14:00		Lunch Break(43F Nanshan Kitchen)	
14:00 - 15:30		Plenary Talks-1 (3F Ball Room)	
15:30 - 16:00		Coffee Break	
16:00 - 17:30	Tutorial-1	PHY-3	CS-1
18:30 - 20:30		Welcome Reception + IEEE activities BEIJING Chapter (4F Lounge)	
Tuesday 15 November			
08:00 - 10:30		Registration (3F Foyer)	
09:00 - 10:30		Plenary Talks-2 (3F Ball Room)	
10:30 - 11:00		Coffee Break	
11:00 - 12:30	PHY-4/SP-1	NET-2/SP-2	Workshop-1
12:30 - 14:00		Lunch Break (43F Nanshan Kitchen)	
14:00 - 15:30	Tutorial-2	NICT special workshop-1: Technologies and activities towards the next generation ICT infrastructures	PHY-5
15:30 - 16:00		Coffee Break	
16:00 - 17:30	Tutorial-3	NICT special workshop-2: Technologies and activities towards the next generation ICT infrastructures	SP-3
18:30 - 20:30		Award Banquet + Cultural program	
Wednesday 16 November			
08:00 - 09:00		Registration (3F Foyer)	
09:00 - 10:30	PHY-6	NET-3	CS-2

10:30 - 11:00		Coffee Break	
11:00 - 12:30	PHY-7	NET-4	PHY-8
12:30 - 14:00		Lunch Break(43F Nanshan Kitchen)	
14:00 - 15:30	Tutorial-4	NET-5	PHY-9
15:30 - 16:00		Coffee Break	
16:00 - 17:30	Tutorial-5	NET-6	
		Thursday 17 November	
08:00 - 12:30		High Tech Companies Tour (Free)	

Each session contains 5 papers, 18 min each.

PHY: Wireless Communications and PHY

NET: Wireless Networks

CS: Communication Services and Multimedia Applications

SP: SP and Privacy in Communications

Workshop

Symposia Details

- [Monday 14 November](#)
- [Tuesday 15 November](#)
- [Wednesday 16 November](#)

PHY-4/SP-1:

(1) Effect of Data Channel Multiplexing Using Symbol Repetition Considering Asymmetric Traffic Load for Full Duplex

Yohei Iwasawa (Tokyo City University, Japan); Takahiro Ohtomo (Tokyo City University, Japan); Mamoru Sawahashi (Tokyo City University, Japan); Keisuke Saito (NTT DOCOMO, INC., Japan);

(2) Energy Efficiency Analysis of 5G Ultra-dense Networks Based on Random Way Point Mobility Models

Junliang Ye (Huazhong University of Science and Technology, P.R. China); Yuanyuan He (Huazhong University of Science and Technology, P.R. China); Ge Xiaohu (Huazhong University of Science & Technology, P.R. China); Min Chen (Huazhong University of Science and Technology, P.R. China)

(3) Energy Efficient Illumination Optimization for Indoor Visible Light Communication

Bo Fan (Beijing University of Posts and Telecommunications, P.R. China); Hui Tian (Beijing university of posts and telecommunications, P.R. China); Shufei Liang (Beijing University of Posts and Telecommunications, P.R. China)

(4) Performance Analysis of the Encryption Method Based on Compressed Sensing At the Physical Layer

Yu Huang (China National Digital Switching System Engineering and Technological R&D Center, P.R. China); Liang Jin (Zhengzhou Information Science and Technology Institution, P.R. China); Kaizhi Huang (Information Engineering University, P.R. China); Lu Liu (National Digital Switching System Engineering & Technological R&D Center, P.R. China); Xiaolei Kang (National Digital Switching System Engineering & Technological R&D Center, P.R. China)

11:00 - 12:30

(5) Characterization of Secrecy Capacity of Time Reversal Technique for Wireless Physical Layer Security

Hassan El-Sallabi (QAF, Qatar); Abdulaziz Aldosari (QAF, Qatar)

NET-2/SP-2:

(1) SVR Based Voice Traffic Prediction Incorporating Impact From Neighboring Cells

Yanqin Zhang (University of Science and Technology of China, P.R. China); Wen Wang (University of Science and Technology of China, P.R. China); Sihai Zhang (University of Science and Technology of China, P.R. China); Dandan Fan (Information & Engineering University, P.R. China); Baohua Kou (Key Laboratory of Aerospace Broadband Network Technology, P.R. China); Wuyang Zhou (University of Science and Technology of China, P.R. China)

(2) SINR Based Capacity Performance Analysis of Hovering Ad-Hoc Network

Purnima Lala (Aalborg University, India); Troels B. Sørensen (Aalborg University, Denmark); Ramjee Prasad (Aalborg University, Denmark)

(3) Dynamic Slicing and Scheduling for Wireless Network Virtualization in Downlink LTE System

Mengshi Hu (Beijing University of Posts and Telecommunications, P.R. China); Chang Yongyu (Beijing University of Posts & Telecommunications, P.R. China); Yang Sun (Beijing University of Posts and Telecommunications, P.R. China); Hongdou Li (Beijing University of Posts and Telecommunications, P.R. China)

(4) Effective Capacity Based Wi-Fi Delayed Offloading and Resource Re-Allocation in Heterogeneous Networks

Jianhui Li (Beijing University of Posts and Telecommunications, P.R. China); Xiaodong Xu (Beijing University of Posts and Telecommunications & Wireless Technology Innovation

Institute, P.R. China); Kangjie Zhang (Beijing University of Posts and Telecommunications, P.R. China); Shuyan Peng (Beijing University of Posts and Telecommunications, P.R. China)

(5) Two-Path Successive Relaying and Jamming for Securing the Primary System

Dawei Wang (Xi'an Jiaotong University, P.R. China); Yichen Wang (Xi'an Jiaotong University, P.R. China); Pinyi Ren (Xi'an Jiaotong University, P.R. China); Li Sun (Xi'an Jiaotong University, P.R. China); Qinghe Du (Xi'an Jiaotong University, P.R. China)

Workshop-1:

(1) Traffic Aggregation for Overload Control in LTE-based Machine Type Communications

Yaw-Chung Chen (National Chiao Tung University, Taiwan); Tsung-Chih Hsieh (National Chiao Tung University, Taiwan)

(2) Aggregation Postpone Transmission Scheme for Machine Type Communications

Yanhuan Sun (University of Science and Technology of China, P.R. China); Sihai Zhang (University of Science and Technology of China, P.R. China); Jinkang Zhu (University of Science and Technology of China, P.R. China); Wuyang Zhou (University of Science and Technology of China, P.R. China)

(3) On Stochastic Geometry Analysis of Dense WLAN with Dynamic Carrier Sense Threshold and Rate Control

Xiaoguang Zhao (Beijing University of Posts and Telecommunications, P.R. China); Xiangming Wen (Beijing University of Posts and Telecommunications, P.R. China); Tao Lei (Beijing University of Posts and Telecommunications & Beijing Key Laboratory of Network System Architecture and Convergence, P.R. China); Zhaoming Lu (BUPT, P.R. China); Biao Zhang (Beijing University of Posts and Telecommunications, P.R. China)

(4) Realization of a New Random Access Scheme for Resource Efficiency in M2M Communications

Xia Zhu (Beijing University of Posts and Telecommunications, P.R. China); Ningbo Zhang (Beijing University of Posts and Telecommunications & Science and Technology on Information Transmission and Dissemination in Communication Networks Lab, P.R. China); Guixia Kang (Beijing University of Posts and Telecommunications, P.R. China); Yifan Zhang (Beijing University of Posts and Telecommunications, P.R. China); Shuang Zhang (Beijing University of Posts and Telecommunications, P.R. China)

(5) A Terminable Trickle Algorithm for Lossy Networks

Hao Guo (Shanghai Jiao Tong University, P.R. China); Kechen Zheng (Shanghai Jiao Tong University, P.R. China); Feng Ouyang (Academy of Broadcasting Science, SAPPRFT, P.R. China); Xiaoying Gan (Shanghai Jiao Tong University, P.R. China); Zhizhong Zhang (Philips Research China, P.R. China); Peiliang Dong (Philips Research China & Philips China Investment Co. Ltd., P.R. China)

NICT special workshop-1: Technologies and activities towards the next generation ICT infrastructures

(1) Toward the Realization of mmWave based 5G Cellular Networks

Gia Khanh Tran (Tokyo Institute of Technology, Tokyo, Japan); Kei Sakaguchi (Tokyo Institute of Technology, Tokyo, Japan; Fraunhofer Heinrich-Hertz-Institute, Berlin, Germany); Makoto Ando (Tokyo Institute of Technology, Tokyo, Japan)

(2) Cooperative Management of Micro Cells with Spectrum Sharing Capability to Realize Flexible Deployment of 5G

14:00 - 15:30 Kentaro Ishizu (National Institute of Information and Communications Technology (NICT), Japan); Homare Murakami (National Institute of Information and Communications Technology (NICT), Japan); Fumihide Kojima (National Institute of Information and Communications Technology (NICT), Japan)

(3) NICT's R&D, Standardization and Promotion Activities on the Wireless Network Customization Technologies

Fumihide KOJIMA (National Institute of Information and Communications Technology (NICT), Japan)

(4) OMRON's Products and Activities on IoT for FA Toward Improving Productivity, Product Quality and Energy Efficiency

Ryota Yamada (OMRON Corporation, Japan)

(5) Challenges in Wireless Systems Utilization Toward the Future Manufacturing Field

Kenichi Maruhashi (IoT Devices Research Laboratories, NEC Corporation, Japan); Tsukasa Kobayashi (IoT Platform Development Division, NEC Corporation, Japan); Taketomo Nakajima (IoT Platform Development Division, NEC Corporation, Japan)

(6) Multiple-band Wireless Communications in the Manufacturing Field Proposal of Smart Resource Flow Wireless Platform

Satoko Itaya (National Institute of Information and Communications Technology, Japan)

PHY-5:

(1) Exploiting Energy Accumulation Against Co-channel Interference in Wireless Energy Harvesting MIMO Relaying

Yifan Gu (The University of Sydney, Australia); He Chen (The University of Sydney, Australia); Yonghui Li (University of Sydney, Australia); Branka Vucetic (University of Sydney, Australia)

(2) Geometry-Based Uplink Channel Reuse in Cellular D2D Underlays

Zilong Wu (Beijing University of Posts and Telecommunications, P.R. China); Minming Ni (Beijing Jiaotong University, P.R. China); Li Wang (Beijing University of Posts and Telecommunications, P.R. China); Mei Song (Beijing University of Posts and Telecommunications, P.R. China); Chuyi Guo (Beijing University of Posts and Telecommunications, P.R. China)

(3) Interference Modeling and Performance Evaluation for BS MMSE-IRC Receiver in LTE-A Release 13

Shan Yang (Technology Innovation Center, China Telecom Co. Ltd., P.R. China); Peng Chen (Technology Innovation Center, China Telecom Co. Ltd., P.R. China); Xiaoming She (China Telecom Technology Innovation Center, P.R. China); Lin Liang (Technology Innovation Center, China Telecom, P.R. China); Bei Yang (Technology Innovation Center of China Telecom, P.R. China)

(4) Joint Multiuser Admission Control and Downlink Beamforming for Green Cloud-RANs Via Semidefinite Relaxation

Zhi Yu (Beijing University of Posts and Telecommunications, P.R. China); Ke Wang (Beijing University of Posts and Telecommunications, P.R. China); Hong Ji (Beijing University of Posts and Telecommunications, P.R. China); Victor C.M. Leung (University of British Columbia, Canada)

(5) Joint Power Allocation and Location Optimization for Full-Duplex Amplify-and-Forward Relay Networks

Shuai Li (Peking University, P.R. China); Kun Yang (Peking University, P.R. China); Mingxin Zhou (Peking University, P.R. China); Jianjun Wu (Peking University, P.R. China); Lingyang Song (Peking University, P.R. China); Yonghui Li (University of Sydney, Australia); Hongbin Li (Peking University, P.R. China)

NICT special workshop-2: Technologies and activities towards the next generation ICT infrastructures

(1) Overview of R&D on Wireless Networks with Enhanced Reliability

Kenichi Takizawa (National Institute of Information and Communications Technology, Japan)

(2) Distributed Device-To-Device Wireless Networks Activities on Research, Development, and Standardization

16:00 - 17:30 Huan-Bang Li (National Institute of Information and Communications Technology, Japan); Lin Shan (National Institute of Information and Communications Technology, Japan); Ryu Miura (National Institute of Information and Communications Technology, Japan); Fumihide Kojima (National Institute of Information and Communications Technology, Japan)

(3) Experimental measurement for wildlife tracking with fixed-wing unmanned aircraft system

Fumie Ono (National Institute of Information and Communications Technology, Japan); Shan Lin (National Institute of Information and Communications Technology, Japan); Toshinori Kagawa (National Institute of Information and Communications Technology, Japan); Ryu Miura (National Institute of Information and Communications Technology, Japan); Fumihide Kojima (National Institute of Information and Communications Technology, Japan); Iori Kurano (Japan); Kimihiro Gomyo (Japan); Yukinaga Koike (Japan)

(4) Mathematical Model and Field Experiment on Airborne Network using WiFi

Hiroki Nishiyama (Tohoku University, Japan)

SP-3:

(1) A Practical Approach for Complexity Analysis of Autonomic Internet of Things Protocol Algorithm

Lukman Rosyidi (University of Indonesia, Indonesia); Riri Fitri Sari (University of Indonesia, Indonesia)

(2) Secrecy Analysis in D2D-Enabled Cellular Networks Against Spatially Random Eavesdroppers

Yajun Chen (National Digital Switching System Engineering and Technological R&D Center, P.R. China); Xinsheng Ji (National Digital Switching System Engineering & Technological R& D Center, P.R. China); Kaizhi Huang (National Digital Switching System Engineering & Technological R&D Center); Xiaolei Kang (National Digital Switching System Engineering & Technological R&D Center, P.R. China); Xiaohui Qi (National Digital Switching System Engineering & Technological Research Center, P.R. China)

(3) Community-Based Recommendations: a Solution to the Vulnerability Problem

Jiali Dong (Beijing University of Posts and Telecommunications, P.R. China); Xiaoyong Li (Beijing University of Post and Telecommunications, P.R. China); Binxing Fang (Beijing University of Posts and Telecommunications, P.R. China)

(4) Coordination Beamforming for Secrecy Enhancement in the Downlink MU-MIMO Cellular Networks

Juan Bai (Air Force Engineering University, P.R. China); Qin Zhang (Xidian University, P.R. China); Linrang Zhang (Xidian University, P.R. China); Guimei Zheng (Tsinghua University, P.R. China); Xuefei Zhang (Beijing University of Posts and Telecommunications, P.R. China)

(5) MU-MIMO Aided Secure Transmission in Cognitive Downlink Heterogeneous Cellular Networks

Xiaohui Qi (National Digital Switching System Engineering & Technological Research Center, P.R. China); Kaizhi Huang (Information Engineering University, P.R. China); Zhihao Zhong (National Digital Switching System Engineering & Technological Research Center, P.R. China)