

VTC2012-Fall Accepted Paper List

Ad-Hoc, mesh and sensor networks Papers

61356

1 A DTN routing scheme for quasi-deterministic networks with application to LEO satellites topology

Rémi Diana, Emmanuel Lochin, ISAE; Laurent Franck, Télécom Bretagne; Cédric Baudoin, Thales Alenia Space; Emmanuel Dubois, Patrick Gélard, CNES

57484

2 A Framework for Simulation Analysis of Delay Tolerant Routing Protocols

Sathya Narayanan, Eric McDonald, California State University, Monterey Bay; Geoffrey Xie, Naval Postgraduate School

45784

3 A new dynamic reservation protocol for many-to-one multi-access with long propagation delay

Priyatosh Mandal, Centre for Development of Telematics, New Delhi, India; Swades De, Indian Institute of Technology Delhi

94734

4 A Novel Link Scheduling Algorithm for Spatial Reuse in Wireless Networks

WeiQiang Liu, Dandan Miao, XiaoHui Chen, WeiDong Wang, University of Science and Technology of China

61131

5 A Scheme to Support Concurrent Transmissions in OFDMA based Ad Hoc networks

Hongyi Xiong, Eliane Bodanese, Queen Mary University of London

52131

6 An efficient metric for reliable routing with link dependencies

Amadou Baba Bagayoko, Riadh DHAOU, University of Toulouse, ENSEIHT/IRIT; Beatrice Paillassa, University of Toulouse

13842

7 Autonomous TDMA Alignment for VANETs

Mohamed Mustafa, Marina Papatrifiantilou, Elad Michael Schiller, Amir Tohidi, Philippos Tsigas, Chalmers University of Technology

64472

8 Available Bandwidth-aware Routing in Urban Vehicular Ad-hoc Networks

Carolina Tripp, Ahmad Mohamad Mezher, Mónica Aguilar Igartua, Universitat Politècnica de Catalunya (UPC); Isabelle Guérin Lassous, LIP ENS Lyon/UCBL; Cheikh Sarr, Université de Thies

95872

9 CATWOMAN: Implementation and Performance Evaluation of IEEE 802.11 based Multi-Hop Networks using Network Coding

Martin Hundebøll, Jeppe Ledet-Pedersen, Janus Heide, Morten V. Pedersen, Stephan A. Rein, Frank H.P. Fitzek, Aalborg University

47336

10 Censoring for Type-Based Multiple Access Scheme in Wireless Sensor Networks

Mohammed Karmoose, Alexandria University; Karim Seddik, University of Alexandria; Prof.Dr.Hassan Elkamchouchi, Alexandria University

14348

11 Collision-Balancing Frequency Hopping in Single-Hop Mobile Ad Hoc Networks

Ralph Tanbourgi, Karlsruhe Institute of Technology; Xevi Pujol i Molist, Technical University of Catalonia (UPC), Barcelona, Spain; Friedrich K. Jondral, Karlsruhe Institute of Technology

15311

12 Delay-conscious Federation of Multiple Wireless Sensor Network Segments using Mobile Relays

Jerome L.V.M. Stanislaus, University of Maryland, Baltimore County; Mohamed Younis, University of Maryland Baltimore County

94649

13 Distributed Load Balancing Mechanism for Detouring Routing Holes in Sensor Networks

Jinnan Gao, Beijing Institute of Technology; Fan Li, Beijing Institute of Technology; Yu Wang, University of North Carolina at Charlotte

27039

14 DYGES: A network-aware Generation-Based Network Coding for multicast flows

Youghourta Benfattoum, Université Paris Sud - Laboratoire de Recherche en Informatique; Steven Martin, LRI, University of Paris-Sud 11; Khaldoun Al Agha, University of Paris XI

75515

15 Dynamic Clusters Graph for Detecting Moving Targets using WSNs

Farzaneh Razavi Armaghani, Iqbal Gondal, Joarder Kamruzzaman, David Geoffrey Green, Monash University

73060

16 Dynamic Sensors Selection for Overlapped Multiple-Target Tracking using Eagerness

Farzaneh Razavi Armaghani, Iqbal Gondal, Joarder Kamruzzaman, Monash University

26254

17 Evaluation of VeMAC for V2V and V2R Communications Under Unbalanced Vehicle Traffic

Hassan Aboubakr Omar, ECE department, University of Waterloo, Canada; Weihua Zhuang, University of Waterloo; Li Li, Communications Research Centre

42076

18 Event-driven MAC Protocol For Dual-Radio Cooperation

Arash Khatibi, University of Illinois at Urbana Champaign; Yunus Durmus, Ertan Onur, Ignas Niemegeers, Delft University of Technology

16997

19 Fair Buffer Allocation Scheme for Integrated Wireless Sensor and Vehicular Networks using Markov Decision Processes

S. A. Arshad, M. A. Murtaza, M Tahir, University of Engineering and Technology Lahore

64372

20 Gateway Placement in Hybrid MANET-Satellite Networks

Monia Hamdi, Laurent Franck, Télécom Bretagne; Xavier Lagrange, Telecom Bretagne

91263

21 Hybrid Position-based and DTN Forwarding in Vehicular Ad Hoc Networks

Lei Zhao, Fan Li, Beijing Institute of Technology; Yu Wang, University of North Carolina at Charlotte

95039

22 Localization in Wireless Networks using Decision Trees and K-means Clustering

Khalid Almuzaini, Aaron Gulliver, University of Victoria

68065

23 Redeployment of randomly deployed wireless mobile sensor nodes

Khalil Mougou, ENSI; Saoucene Mahfoudh, Telecom SudParis; Pascale Minet, INRIA; Anis Laouiti, Télécom and Management SudParis

46059

24 Robust RFID Authentication for Supply Chain Management

Binod Vaidya, Dimitrios Makrakis, Hussein Mouftah, University of Ottawa

11954

25 Scalable PHY-Layer Security for Distributed Detection in Wireless Sensor Networks

Reza Soosahabi, University of Louisiana; Mort Naraghi-Pour, Louisiana State University

27867

26 Social-Aware Routing for Wireless Mesh Networks

Shadi Basurra, Department of Computer Science, University of Bath; Yusheng Ji, National Institute of Informatics; Marina De Vos, Department of Computer Science, University of Bath; Julian Padget, University of Bath; Tim Lewis, Toshiba Research Europe Ltd.; Simon Armour, Electrical and Electronic Department, University of Bristol

10928

27 Spatial Multiplexing with Opportunistic Multiuser Scheduling in Ad Hoc Networks

Xianling Wang, Jian Geng, Xin Zhang, Dacheng Yang, Beijing University of Posts and Telecommunications

37017

28 T-TMAC: Energy Aware Sensor MAC Protocol for Healthcare Monitoring

ZATOUT Youssouf, Université de Toulouse

89632

29 TIEGeR: An Energy-Efficient Multi-Parameter Geographic Routing Algorithm

Ishaan Bir Singh, Dung Ho Quang, Tho Le-Ngoc, McGill University

99717

30 Topology Reconfiguration in Cognitive Radio Networks using Ant Colony Optimization

He Qian, FENG Zhiyong, Zhang Ping, Beijing University of Posts and Telecommunications

71537

31 Towards AODV Version 2

Jiazi Yi, Thomas Clausen, Ecole Polytechnique; Axel Colin de Verdière, LIX, Ecole Polytechnique

Antennas and propagation Papers

96778

1 5 GHz Intra-Vehicle Channel Characterization

David W. Matolak, Ohio University; Arvind, Chandrasekaran

66035

2 Analysis of the multi-cell correlation of the slow fading from UMTS measurements and its impact on radio network planning

Juergen Beyer, Linghan Mao, Deutsche Telekom

94263

3 Challenges in Antenna Tuning for Small Terminals

Samantha CAPORAL DEL BARRIO, Mauro Pelosi, Gert F. Pedersen, Aalborg University; Art Morris, WiSpry

24260

4 Channel Feasibility for Outdoor Non-Line-of-Sight mmWave Mobile Communication

Sridhar Rajagopal, Shadi Abu-Surra, Samsung Telecommunications America; Mehrzad Malmirchegini, University of New Mexico

95440

5 Channel Prediction for Link Adaptation in LTE Uplink

Henrik Sahlin, Ericsson

81873

6 Characterization of large-scale fading for the 2.4 GHz channel in obstacle-dense indoor propagation topologies

Theofilos Chryssikos, Stavros A. Kotsopoulos, University of Patras

29729

7 Correlation Evaluation on Small LTE Handsets

Samantha CAPORAL DEL BARRIO, Gert F. Pedersen, Aalborg University

83490

8 Distance-Dependent Model of Ricean K-Factors in High-Speed Rail Viaduct Channel

Ruisi He, Zhangdui Zhong, Bo Ai, Jianwen Ding, Beijing Jiaotong University

25965

9 Effect of antenna type on the capacity of body-to-body capacity when using uniform power allocation

Khalida Ghanem, CDTA

30742

10 High Power Amplifier Linearization using Zernike Polynomials in a LTE Transmission

Leticia Aladren, Paloma Garcia-Ducar, Pedro Luis Carro, Jesús de Mingo, Cesar Sanchez-Perez, University of Zaragoza

14702

11 Investigation of Loop and Whip Antennas in Tire Pressure Monitoring Systems

Hua Zeng, Hitachi America, Ltd; Todd Hubing, Clemson University

76604

12 LTE Radiated Data Throughput Measurements, Adopting MIMO 2x2 Reference Antennas

Istvan Szini, Gert F. Pedersen, Aalborg University; Michael D. Foegelle, ETS-Lindgren, L. P.

68830

13 Measurement Verification of Plane Wave Synthesis Technique Based on Multi-probe MIMO-OTA Setup

Wei Fan, Aalborg University; Xavier Carreno, Intel Mobile Communications; Jesper Ødum Nielsen, Kim Olesen, Aalborg University; Mikael B. Knudsen, Intel Mobile Communications, DK 9220 Aalborg, Denmark; Gert F. Pedersen, Aalborg University

64440

14 Modeling of Vehicle-to-Vehicle Channels in the Presence of Moving Scatterers

Alireza Borhani, Matthias Pätzold, University of Agder

62399

15 Performance Evaluation of Beamformed Spatial Multiplexing Transmission in Millimeter-Wave Communication Channels

Seung Joon Lee, Kangwon National University; Seung-Eun Hong, Woo Yong Lee, Jin-Kyeong Kim, ETRI

78219

16 Printed Bent Monopole Array For L-Band Satcom Applications

Soulideth Thirakoune, Communications Research Centre Canada

61538

17 Rayleigh Scattering Cluster Based Spatial-Temporal Spectral Correlation Properties with MIMO-OFDM Channel Model

Xin Li, Torbjörn Ekman, Norwegian University of Science and Technology

54007

18 Small-Cell Wireless Backhauling: A Non-Line-of-Sight Approach for Point-to-Point Microwave Links

Mikael Coldrey, Ericsson Research; Havish Koorapaty, Ericsson; Jan-Erik Berg, Ericsson AB; Zere Ghebretensaé, Jonas Hansryd, Anders Derneryd, Ericsson Research; Sorour Falahati, Ericsson AB

52063

19 UE Calibration in MIMO Systems

Afshin Haghighat, InterDigital Communications Corporation

Cognitive radio and spectrum sensing Papers

69927

1 A High-Efficiency Resource Allocation Scheme under the Interference Constraints in Cognitive Radio

Hong Du, Beijing University of Posts and Telecommunications; Zaixue Wei, Beijing University of Posts and Communications; Yu Wang, Dacheng Yang, Beijing University of Posts and Telecommunications

58475

2 A Novel Antenna Assignment Algorithm For Spectrum Underlay in Cognitive MIMO Networks

Elmahdi Driouch, Université du Québec à Montréal; Wessam Ajib, University of Québec at Montréal; Taher Jalloul, Université du Québec à Montréal

90654

3 An Architecture for Cognitive Radio Networks with Cognition, Self-organization and Reconfiguration Capabilities

FENG Zhiyong, Ding Xu, Yang Liu, Zhang Ping, Beijing University of Posts and Telecommunications

96796

4 Analysis of Multiband Sensing-Time Joint Detection Framework for Cognitive Radio Systems

Salma Zainab Farooq, National University of Sciences and Technology, Islamabad, Pakistan; Abdul Ghafoor, National University of Sciences and Technology

34992

5 Analysis of TV White Space Availability in Japan

Tsuyoshi Shimomura, Tepei Oyama, Fujitsu Laboratories Limited; Hiroyuki Seki, Fujitsu Laboratories Ltd.

79826

6 Automatic Modulation Classification for MIMO Systems Using Fourth-Order Cumulants

Michael Mühlhaus, Karlsruhe Institute of Technology; Mengüç Öner, Isik University, Istanbul, Turkey; Octavia A. Dobre, Memorial University; Holger Jäkel, Karlsruhe Institute of Technology (KIT); Friedrich K. Jondral, Karlsruhe Institute of Technology

90839

7 Channel Selection Statistics for Control Information Sharing within Cognitive Radio Networks

Mai Ohta, Takamasa Kimura, Hasan Rajib Imam, University of Electro-Communications; Sean Rocke, Jingkai Su, Alexander Wyglinski, Worcester Polytechnic Institute; Takeo Fujii, University of Electro-Communications

94933

8 Cognitive AF Relay Schemes for Uplink Transmission in Macrocellular Networks

Wenshan Yin, Xi'an Jiaotong University; Pinyi Ren, Qinghe Du, Xi'an Jiaotong University; Zhou SU, Waseda Univ

18644

9 Convex Optimization-based Beamforming in Cognitive Radio Multicast Transmission

Marko Beko, ULHT, UNINOVA, ISR-IST; Slavisa Tomic, UNINOVA, Caparica, Portugal; Rui Dinis, Universidade Nova de Lisboa; Vlatko Lipovac, University of Dubrovnik

71927

10 Convexity Analysis of Multiband Joint Detection Framework for Waveform-based Sensing in Cognitive Radios

Maria Iqbal, Abdul Ghafoor, National University of Sciences and Technology

32396

11 Cooperative Spectrum Sensing in Cognitive Radio with Taguchi Method

Yingying Ma, University of Illinois at Chicago; Derong Liu, University of Illinois at Chicago

78507

12 Distributed Robust Channel Assignment for Multi-Radio Cognitive Radio Networks

Maryam Ahmadi, Yanyan Zhuang, Jianping Pan, University of Victoria

46111

13 Downlink Resource Management Based on Cross-Cognition and Graph Coloring in Cognitive Radio Femtocell Networks

Hu Pan, Beijing University of Post and Telecommunications; Ye Jin, Zhang Fan, Zhang Yinghai, Wang Weidong, Beijing University of Posts and Telecommunications

91564

14 Dynamic Channel Assignment using Ant Colony Optimization for Cognitive Radio Networks

He Qian, FENG Zhiyong, Zhang Ping, Beijing University of Posts and Telecommunications

97371

15 Dynamic Spectrum Auction with Time Optimization in Cognitive Radio Networks

Guangen Wu, Pinyi Ren, Qinghe Du, Xi'an Jiaotong University

90330

16 Exact Outage Probability Analysis for Relay-aided Underlay Cognitive Communications

Zakaria El-Moutaouakkil, Texas A&M University; Kamel Tourki, Khalid Qaraqe, Texas A&M University at Qatar; Tarik Ait-Idir, INPT; Samir Saoudi, Telecom Bretagne

39878

17 Goodness-of-Fit-based Malicious User Detection in Cooperative Spectrum Sensing

Gosan Noh, Sungmook Lim, Seokwon Lee, Daesik Hong, Yonsei University

77786

18 Interference Evaluation in Ad-Hoc Cognitive Radio Networks

Mohammad Robotmili, Manchester University; Khairi Hamdi, University of Manchester

91815

19 Interference Mitigation and Spectrum Sharing for Heterogeneous Networks Based on CQI Feedbacks

James C. F. Li, NEC Labs China; Jiang Lei, NEC (China) Co., Ltd; Ming Lei, NEC Laboratories China

75362

20 Interference-Aware Random Beam Selection for Spectrum Sharing Systems

Mohamed Abdallah, Texas A&M University at Qatar; Mostafa Sayed, Varkon Semiconductors; Khalid A. Qaraqe, Texas A&M University at Qatar; Mohamed-Slim Alouini, KAUST

27348

21 Joint Spectrum Sensing and Power Allocation Algorithm for Spectrum Efficiency Optimization in Ultra Wideband Cognitive Radio Networks

Liaoyuan Zeng, University of Electronic Science and Technology of China; Sean McGrath, University of Limerick

63447

22 Load-Balancing Spectrum Decision for Cognitive Radio Networks with Unequal-Width Channels

Samer T. Talat, Li-Chun Wang, National Chiao Tung University

28558

23 On the interplay of sensing and erasure correction in opportunistic spectrum access

Muhammad Moazam Azeem, Orange Labs; Patrick Tortelier, OrangeLabs; Didier LE RUYET, CNAM Paris

86041

24 Opportunistic Spatio-Frequency Access in CR-MIMO System Exploiting Primary Transmission Mode Information

Zhao Li, Xidian University

69900

25 Opportunistic Spectrum Access with Hopping Transmission Strategy: A Game Theoretic Approach

Mahsa Derakhshani, Prof. Tho Le-Ngoc, McGill University

21273

26 Optimal Resource Allocation Scheme in OFDM-Based Cognitive Radio Networks

Mi Zhang, Pengbo Si, Yanhua Zhang, Ruizhe Yang, Beijing University of Technology

91497

27 Optimal Strategy for QoS Provision under Spectrum Mobility in Cognitive Radio Networks

Tao Guo, Klaus Moessner, University of Surrey

88993

28 Outage Performance of Cognitive Relay Networks with Primary User's ISR Constraint

Zhiqing Wei, Yin Xie, FENG Zhiyong, Rong li, Beijing University of Posts and Telecommunications

87736

29 Outage Probability of Cognitive Relay Networks over Nakagami-m Fading Channels

Yang Liu, Yin Xie, FENG Zhiyong, Zhang Ping, Zhiqing Wei, Beijing University of Posts and Telecommunications

26703

30 Performance Improvements of OFDM Signals Spectrum Sensing in Cognitive Radio

Elena Guzzon, University of Roma Tre, Applied Electronics Dept.; Francesco Benedetto, University of Roma Tre - Dept. of Applied Electronics; Gaetano Giunta, University of Roma Tre

55712

31 Spectrum and Power Allocation for Multi-antenna Multi-user CR Systems with Average Interference Power Constraint

Yue Wang, Justin Coon, Toshiba Research Europe Ltd.

Cooperative communications, distributed MIMOs and relaying Papers

14843

1 A Trellis Coded Modulation Scheme for the Fading Relay Channel

Vijayaradharaj T Muralidharan, Department of ECE, IISc Bangalore; B. Sundar Rajan, Indian Institute of Science, Bangalore

20413

2 A Two-Step Precoding Scheme with Multi-user Joint Transmission for Coordinated Multi-Point System

Datong Xu, Pinyi Ren, Xi'an Jiaotong University

52623

3 Amplify-and-Forward MIMO Y Channel: Power Allocation Based Signal Space Alignment

Yuping Su, Ying Li, Xidian University; Jinliu Liu, Hua wei Technologies

20811

4 An Improved Detection Scheme for Distributed IDM-STCs in Relay-Systems

Florian Lenkeit, Dirk Wübben, Armin Dekorsy, University of Bremen

97360

5 An SINR Balancing Technique for a Cognitive Two-Way Relay Network

Georgia Bournaka, University of Loughborough; Kanapathippillai Cumanan, Sangarapillai Lambotharan, Loughborough University; Fotis Lazarakis, NCSR Demokritos

36232

6 Asymptotic Outage Probability for Amplify-and-Forward CDMA Systems over Nakagami-m Fading Channels

Ali Mehemed, Walaa Hamouda, Concordia University

99618

7 Capacity and Power Allocation of Dual-Hop AF Relaying over Rayleigh Fading Channels

Leonardo Jimenez Rodriguez, McGill University; Nghi Tran, University of Akron; Tho Le-Ngoc, McGill University

92976

8 Channel Tracking for AF MIMO Relaying Systems

Panagiota Lioliou, Daniel Svensson, Chalmers University of Technology; Mats Viberg, Chalmers Institute of Technology

88564

9 Collaborative Relay-based Multiuser Beamforming in Cellular Systems

Chen Chen, Peking University; Lin Bai, Beihang University (BUAA); Da Wang, Ye Jin, Peking University; Jinho Choi, University of Wales Swansea

76139

10 Collision Warning System in Dynamic Cooperative Environment with Alamouti STBC Algorithm

Richard Wai Yu, NAVSEA, Port Hueneme; Chirag Warty, University of Illinois Chicago

95791

11 Data Detection for MIMO Broadcasting System with Decode-and-Forward Cooperation

Shih-Jung Lu, Wei-Ho Chung, Academia Sinica

81415

12 Decoding of Distributed Alamouti STBC in DF Based Cooperative System

Ankur Bansal, Manav R Bhatnagar, IIT Delhi; Are Hjørungnes, UNIK - University Graduate Center

17989

13 Degrees of Freedom of Signal Alignment for Generalized MIMO Y Channel with General Signal Demands

Jiaju She, Shanzhi Chen, Hu Bo, Beijing University of Posts and Telecommunications; Yingmin Wang, Xin Su, China Academy of Telecommunications Technology

14089

14 Design of Hierarchical Modulation for Wireless Relay Networks

Tung Pham, Ha H. Nguyen, University of Saskatchewan

44284

15 Distributed Auction for Self-Optimization in Wireless Cooperative Networks

Lei Zhong, National Institute of Information and Communications Technology; Yusheng Ji, Noboru Sonehara, National Institute of Informatics

26618

16 Distributed Beamforming for Wireless Sensor Networks in Local Scattering Environments

Slim Zaidi, Sofiene Affes, INRS-EMT

25557

17 Distributed Power Allocation Schemes for Precoded Multicell MISO-OFDM Systems

Reza Holakouei, University of Aveiro; Adão Silva, Instituto de Telecomunicações / University of Aveiro; Rui Dinis, Universidade Nova de Lisboa; Atílio Gameiro, Instituto de Telecomunicações

83900

18 Distributed Precoding Techniques for Weighted Sum Rate Maximization in MIMO Interfering Broadcast Channels

Hyun-Joo Choi, Korea University; Seok-Hwan Park, New Jersey Institute of Technology; Sang-Rim Lee, Inkyu Lee, Korea University

30966

19 Diversity Analysis of Minimum Distance Based Relay Selection Schemes for Two-way Relaying Systems with Physical Network Coding

Youngil Jeon, Young-Tae Kim, Changick Song, Inkyu Lee, Korea University

57207

20 Diversity Reception of Differentially Amplitude- and Phase-Encoded QAM in Amplify-and-Forward Multiple Relay System

Chi-Hua Huang, Char-Dir Chung, National Taiwan University

25127

21 Downlink Scheduling in Network MIMO Using Two-Stage Channel State Feedback

Li-Chuan Tseng, National Chiao Tung University; Xin Jin, Institut Mines-Télécom, Télécom SudParis; Abdelwaheb Marzouki, TELECOM & Management SudParis (ex GET/INT); ChingYao Huang, National Chiao Tung University

82992

22 Effect of Outdated CSI on the Performance of Opportunistic Relaying with ARQ

Jinhyun Park, J. H. Lee, Seoul National University

39738

23 EM Algorithm based Channel Estimation for Amplify-and-Forward Relay Networks with Unknown Noise Correlation

Chao Zhang, Xi'an Jiaotong University; Suhua TANG, ATR Adaptive Communications Research Laboratories; Pinyi Ren, Xi'an Jiaotong University

52722

24 Energy Efficiency Analysis and Optimal Power Allocation in Virtual-MIMO Systems

Jing Jiang, Mehrdad Dianati, Muhammad Ali Imran, University of Surrey; Dr. Yan Chen, Huawei Technologies Co. Ltd.

93887

25 Energy Efficient Comparison between Distributed MIMO and Co-located MIMO in the Uplink Cellular Systems

He Chunlong, Southeast University

55016

26 Exact Error Analysis of Dual-Hop Fixed-Gain AF Relaying over Arbitrary Nakagami-m Fading

Imene Trigui, Sofiene Affes, INRS-EMT; Alex Stephenne, HUAWEI TECHNOLOGIES CO.,LTD. and INRS-EMT

13473

27 Experimental Evaluation of Reference Signal Interference Canceller for Multi-BS Cooperative Transmission Control in LTE

Atsushi Nagate, SOFTBANK Mobile; Daigo Ogata, Teruya Fujii, SOFTBANK MOBILE Corp.

62836

28 High Power Efficiency Transmission Based on Game Theory for AF Cooperative Communication

Takuya Yamada, Tomoaki Ohtsuki, Keio University

22713

29 Improved Iterative Decoders for Turbo-Coded Decode-and-Forward Relay Channels

Khoa Huynh, Chalmers University of Technology; Tor Aulin, CHALMERS

81711

30 Iterative joint source and relay optimization for Multiuser MIMO relay system

Junjie Zeng, Zhi Chen, Lingxiang Li, University of Electronic Science and Technology of China

52172

31 Iterative Slepian-Wolf Decoding and FEC Decoding for Compress-and-forward Systems

Yinan Qi, Muhammad Ali Imran, Professor Rahim Tafazolli, University of Surrey

46408

32 Joint Design of Linear Relay and Destination Processing for Two-hop MIMO Multi-Relay Networks

Youhua Fu, Nanjing University of Posts and Telecommunications; Wei-Ping Zhu, Concordia University; Chen Liu, Nanjing University of Posts and Telecommunications

84809

33 Joint Power Allocation for Coherent Downlink Coordinated Transmission

Shiyuan LI, Qimei CUI, Xiaofeng TAO, Xin Chen, Beijing University of Posts and Telecommunications

13850

34 Joint Source-Relay Precoder and Decoder Designs for Amplify-and-Forward MIMO Relay System with Imperfect Channel State Information

Wei Bao, Zhang Jianhua, Zhang Ping, Beijing University of Posts and Telecommunications

91425

35 Joint Transmit/Receive MMSE-FDE for MIMO Analog Network Coding in Single-Carrier Bi-Directional Relay Communications

Hiroyuki Miyazaki, Masayuki Nakada, Tatsunori Obara, Fumiyuki Adachi, Tohoku University

16629

36 Low-Complexity Channel Estimation for CoMP Multi-user Systems

Xin Wang, Xidian University; Xiaohui Li, State Key Laboratory Integrated Services Networks, Xidian University; Yongqiang Hei, Xidian University

33746

37 MIMO Two-Way Relaying: A Comparison of Beamforming and Antenna Selection

Nan Yang, CSIRO ICT Centre; Phee Lep Yeoh, University of Melbourne; Maged Elkashlan, Queen Mary, University of London; Iain B. Collings, CSIRO

13596

38 Minimizing Sum Power in Two-Way Amplify-and-Forward Relay Channel

ebru sinem çetin, Mehmet Ertu?rul Çelebi, Istanbul Technical University

66166

39 On the Energy Efficiency of Hybrid Relaying Schemes in the Two-way Relay Channel

Yinan Qi, Muhammad Ali Imran, Professor Rahim Tafazolli, University of Surrey

46361

40 On the Energy Efficiency-Spectral Efficiency Trade-Off of the 2BS-DMIMO System

Oluwakayode Onireti, Fabien Heliot, Muhammad Ali Imran, University of Surrey

14229

41 On the Performance of Relay Selection in Cognitive Radio Networks

Zoubeir Mlika, Université du Québec a Montréal; Wessam Ajib, University of Québec at Montréal; Wael Jaafar, David Haccoun, Ecole Polytechnique de Montreal

85513

42 Outage Analysis of Correlated Source Transmission in Block Rayleigh Fading Channels

Meng CHENG, Japan Advanced Institute of Science and Technology; Khoirul Anwar, Japan Advanced Institute of Science and Technology (JAIST); Tadashi Matsumoto, Japan advanced Institute of Science and Technology

72383

43 Outage Performance and DMT Analysis of DF Parallel Relaying in FSO IM/DD Communications

Sahar Molla Aghajanzadeh, University of Waterloo; Murat Uysal, Ozyegin University

98058

44 Outage Performance Of OFDM Ad-hoc Routing With and Without Subcarrier Grouping in Multihop Network

Gouissem Ala, Dr Mazen Hasna, Qatar University; Hichem Besbes, Ecole Supérieure des Communications de Tunis, Sup'Com; Fatma Abdelkefi, Sup'Com; Ridha Hamila, Qatar University

72973

45 Performance Analysis of Centralized Relay Selection with Unreliable Control Information

Agisilaos Papadogiannis, Chalmers University of Technology; Tommy Svensson, Department of Signals and Systems, Chalmers University of Technology

85302

46 Performance Analysis of Decode and Forward Incremental Relaying in the Presence of Multiple Sources of Interference

Ala Abu Alkheir, Mohamed Ibnkahla, Queen's University

68101

47 Performance Evaluation and Analysis on Group Mobility of Mobile Relay for LTE Advanced System

Wenyu LI, Chao ZHANG, Xiaoyu DUAN, Shucong JIA, Yu LIU, Lin ZHANG, Beijing University of Posts and Telecommunications

55663

48 Physical Layer Network Coding with Channel and Delay Estimation

Yixin Li, University of Reading; Fuchun Zheng, The University of Reading

55819

49 Power Allocation in Cooperative Space-Time Coded Wireless Relay Networks

Aasem N Alyahya, Jacek Ilow, Dalhousie University

38715

50 QoS Aware Scheduling with Optimization of Base Station Power Allocation in Downlink Cooperative OFDMA Systems

Xiao Zhang, Tsinghua University; Tao Xiaoming, Tsinghua university; Jianhua Lu, Tsinghua University

35706

51 Receiver Design for Variable Gain Amplify-Forward Two-Way Relay with Channel Estimation Errors

Wei Bao, Zhang Jianhua, Zhang Ping, Beijing University of Posts and Telecommunications

42063

52 Robust Power Allocation for Selective Relaying Based DF Cellular Wireless System

Shankhanaad Mallick, Rajiv Devarajan, Mohammad Mamunur Rashid, Vijay K. Bhargava, University of British Columbia

39541

53 Spectral Efficiency of Distributed Antenna Network Using MIMO Spatial Multiplexing

Shinya Kumagai, Ryusuke Matsukawa, Tatsunori Obara, Tetsuya Yamamoto, Fumiyuki Adachi, Tohoku University

70524

54 Threshold-Triggered Selective Phase-Forward of Differential PSK in Cooperative Communication

Tan Huai, Paul Ho, Simon Fraser University

21043

55 Throughput Analysis for Multi-Point Joint Transmission with Quantized CSI Feedback

Behrooz Makki, Jingya Li, Thomas Eriksson, Chalmers University of Technology; Tommy Svensson, Department of Signals and Systems, Chalmers University of Technology

22651

56 Uplink Coordinated Scheduling Based on Resource Sorting

Cui Gaofeng, Lu Sixing, Wang Weidong, Yinghai Zhang, Beijing University of Posts and Telecommunications

77543

57 User Pairing for Capacity Maximization in Cooperative Wireless Network Coding

Talha Rasheed, Mohamed Hossam Ahmed, Memorial University of Newfoundland; Octavia A. Dobre, Memorial University

63371

58 Wireless Network-Coded Accumulate-Compute and Forward Two-Way Relaying

Srishti Shukla, Department of Mathematics and ECE, IISc Bangalore; Vijayaradharaj T Muralidharan, Department of ECE, IISc Bangalore; B. Sundar Rajan, Indian Institute of Science, Bangalore

Mobile satellite and positioning systems Papers

49229

1 A novel motion tracking system with sparse Radio-Frequency sensor network

Aidong Men, Beijing University of Posts and Telecommunications; Guang Zhao, Beijing University of Post and Telecommunications; Yun Zhou, Yi Zheng, Beijing University of Posts and Telecommunications

70158

2 An Improved Distance Estimation Algorithm Based on Generalized CRT

Ping Deng, YunHe Cui, SWJTU; Hongyang Chen, The University of Tokyo

67754

3 An Improved Multihop Distance Estimation for DV-Hop Localization Algorithm in Wireless Sensor Networks

Wei Quanrui, Han Jiuqiang, Xi'an Jiaotong university

32431

4 Direction of arrival estimation for MIMO systems employing constellation-based precoding

Geoff Colman, Communications Research Centre; Michelle Wang, Defence Research and Development Canada; Susan Watson, Defence R&D Canada - Ottawa

48808

5 FG-based Cooperative Group Localization for Next-generation Communication Networks

Xuefei Zhang, Cui Qimei, Yulong Shi, Tao Xiaofeng, Beijing University of Posts and Telecommunications

26104

6 LoWCA: Localization and Tracking techniques using a Wireless Sensor Network in Confined Areas - Study of the impact of the memory size of nodes

Chakib Baouche, Anotnio Freitas, Clermont Universite; Michel MISSION, Université Blaise PASCAL

58476

7 LTE Fingerprinting Localization with Altitude

Torbjorn Wigren, Ericsson AB

10394

8 Mobility Prediction based on Graphical Model Learning

Huijun Li, Gerd Ascheid, RWTH Aachen University

80084

9 Performance Characterization of AOA Geolocation Systems using the von Mises Distribution

Sichun Wang, DRDC Ottawa; Brad R. Jackson, Defence R&D Canada-Ottawa; R. Inkol, Defence R&D Canada - Ottawa

17547

10 Sensitivity Analysis of Location-aided Multi-user Scheduling Strategies to Imperfect Location Information

Congzheng Han, Ofcom; Angela Doufexi, University of Bristol

35779

11 TCP Performance Evaluation over GEO and LEO Satellite Links between Performance Enhancement Proxies

Fei, University of British Columbia; Ángel Salamanca Cardona, Universidad Politécnica de Madrid; Victor C. M. Leung, The University of British Columbia

Multiple antenna systems and space-time-frequency processing Papers

89562

1 A Differential Codebook Using 8-PSK Alphabets for Slowly Fading Channels

Youngju Kim, Noeyoon Park, Xun Li, Chungbuk National University

83915

2 A Hybrid MMSE and K-Best Detection Scheme for MIMO Systems

Cheng-Yu Hung, Ronald Y. Chang, Wei-Ho Chung, Academia Sinica

14343

3 A PMI Feedback Scheme for Downlink Multi-user MIMO Based on Dual-Codebook of LTE-Advanced

Yongyu Dai, Shi Jin, Southeast University; Jiang Lei, NEC (China) Co., Ltd; Xiqi Gao, Southeast University; Ming Lei, NEC Laboratories China

44784

4 Adaptive Bit Allocation in Rateless Coded MISO Downlink System with Limited Feedback

Shaolei Chen, Zhang Zhaoyang, Zhejiang University; Xiaoming Chen, Nanjing University of Aeronautics and Astronautics; Huazi Zhang, Zhejiang University; Chau YUEN, Singapore University of Technology and Design

79640

5 Adaptive Generalized Space Shift Keying (GSSK) Modulation for MISO Channels: A New Method for High Diversity and Coding Gains

Konstantinos Ntontin, CTTC; Marco Di Renzo, CNRS-SUPELEC-Univ Paris-Sud; Ana Perez-Neira, UPC; Christos Verikoukis, CTTC

98056

6 An Interference Alignment Scheme for 60 GHz Millimeter-wave Communication System

Jianxiong Zhao, Danpu Liu, Beijing Univ. Posts and Telecommunications

11663

7 Antenna Placement Designs for Distributed Antenna Systems with Multiple-Antenna Ports

Changhee Lee, Eunsung Park, Inkyu Lee, Korea University

90083

8 Block Diagonal Inversion Precoding for MIMO Broadcast Channels

Bruhtesfa Godana, NTNU; Torbjörn Ekman, Norwegian University of Science and Technology; Solomon Tesfamichael, NTNU

14076

9 Efficient SVD-based Transmission Strategy against High-Speed Mobility in TDD MIMO Systems

Qi Sun, Li LiHua, Beijing University of Posts and Telecommunications

85787

10 Enhanced Index Assignment for Beamforming with Limited-rate Imperfect Feedback

Noeyoon Park, Youngju Kim, Chungbuk National University

30728

11 Ergodic Capacity of Multi-User MIMO Systems Using Pilot-Based Channel Estimation, Quantized Feedback and Outdated Feedback as well as User Selection

Fan Jin, Univ. of Southampton, UK; Lajos Hanzo, University of Southampton

77133

12 Experimental results on the performance of Optical Spatial Modulation systems

Enrique Poves, Wasiu Popoola, Harald Haas, John Thompson, University of Edinburgh; Daniel Cárdenas, Universidad San Francisco de Quito

16943

13 Fast Recursive Algorithm for ZF-OSIC Detection in a V-BLAST System

Zuoliang Yin, Xingpeng Mao, Harbin Institute of Technology; Zhang Qinyu, Harbin Institute of Tech.; Naitong Zhang, Harbin Institute of Technology

93191

14 Frequency-domain One-Tap Weight Control for Single-carrier Multiple Access with Multiple Antennas

Wei Peng, Fumiyuki Adachi, Tohoku University

45333

15 Hardware Implementation of Proposed Antenna Selection Algorithm and its Performance Evaluation Using Received Signals in Field Experiment

Kazuhiko Mitsuyama, Tetsuomi Ikeda, Japan Broadcasting Corporation; Tomoaki Ohtsuki, Keio University

10927

16 Inter-Relay Interference Cancellation for AF MIMO Two-Path Relay Systems

Heesun Park, Joohwan Chun, Korea Advanced Institute of Science and Technology

47830

17 Joint Optimization of Transmit Power and Codebook Size for Multiuser MISO Systems

Xiaoming Chen, Nanjing University of Aeronautics and Astronautics; Zhang Zhaoyang, Zhejiang University; Lei Lei, Nanjing University of Aeronautics and Astronautics; Shaolei Chen, Zhejiang University

27104

18 LTE-Advanced Multi-User MIMO: Improved Feedback and Precoding Design

Rizwan Ghaffar, University of Waterloo

28603

19 MMSE-Based Optimal Design of Full-Duplex Relay System

Mansik Jo, Wichita state university; Hyuck M. Kwon, Kanghee Lee, Wichita State University

30572

20 Modified Tomlinson Harashima Precoding Using Square Root for Multi-User MIMO Systems

Shogo Fujita, Leonardo Lanante Jr., Yuhei Nagao, Masayuki Kurosaki, Hiroshi Ochi, Kyushu Institute of Technology

70718

21 New Decoding Algorithms for Matrix C in the 802.16e WiMAX Standard

Young Gil Kim, University of Seoul; Norman C. Beaulieu, University of Alberta

61804

22 Novel Receive Diversity Scheme Using ESPAR Antenna and Arbitrary Frequency Band

Wataru Arita, Masato Saito, University of the Ryukyus

12003

23 OFDM Aided Space-Time Shift Keying for Dispersive Downlink Channels

Marco Driusso, University of Trieste; Mohammad Ismat Kadir, University of Southampton; Fulvio Babich, University of Trieste; Lajos Hanzo, University of Southampton

31303

24 One-sided Precoder Designs for Interference Alignment

Chen Zhang, Huarui Yin, Guo Wei, University of Science and Technology of China

51749

25 Orthogonality-Based User and Receive Antenna Selection for MIMO Broadcast Channels

Xinlei Wang, Yabo Li, Zhang Zhaoyang, Zhejiang University

80565

26 Performance Evaluation of Reconfigurable MIMO Systems in Spatially Correlated Frequency-Selective Fading Channels

Vida Vakilian, Ecole Polytechnique de Montreal; Jean-François Frigon, École Polytechnique de Montréal; Sébastien Roy, Laval University

31819

27 Performance of Multiuser MIMO-OFDM System with Fractional Sampling in Street Canyon Area

Kenta Eguchi, Mamiko Inamori, Yukitoshi Sanada, Keio University

32158

28 Prioritized Adaptive Modulation for MIMO-OFDM Using Pre-Ordered SIC

Khaled Hassan, Signalion GmbH; Khodr Saaifan, Jacobs University Bremen; Werner Henkel, Jacobs Universityt Bremen GmbH

19515

29 Reduced-Complexity SFBC-OFDM for Vehicular Channels with High Mobility

Ahmed Attia, Amr El-Keyi, Yahya Mohasseb, Nile University

45257

30 Robust transmit beamforming for multigroup multicasting

Zhenyuan Chen, Wenyi Zhang, Guo Wei, University of Science and Technology of China

71630

31 Successive Interference Cancellation via Rank-Reduced Maximum Likelihood Detection

Hyukjoon Kwon, Jungwon Lee, Inyup Kang, Samsung US R&D Center

38823

32 Successive Optimization Transmission for high and low SNR stations in Wireless LAN Systems

Riichi Kudo, Koichi Ishihara, Tomoki Murakami, NTT; B. A. Hirantha Sithira Abeysekera, Yusuke Asai, NTT Corporation; Masato MIZOGUCHI, NTT

55055

33 Weighted MMSE Beamforming Design for Weighted Sum-rate Maximization in Coordinated Multi-Cell MIMO Systems

Fan Sun, Elisabeth de Carvalho, Aalborg University

Signal processing for wireless communications Papers

33740

1 A New Upper Bound for the Normalized Detection Threshold of the FFT-Based Summation Detector

Sichun Wang, DRDC Ottawa; Francois Patenaude, Communications Research Centre Canada; R. Inkol, Defence R&D Canada - Ottawa

58765

2 A Novel Technique for the Joint ML Estimation of Timing, CFO and Channel in OFDMA Uplink

Thafasal Ijyas V. P., National Institute of Technology, Calicut; Dr. Sameer S. M., National Institute of Technology Calicut, India

46489

3 An Efficient Square-root Algorithm for G-STBC Based on Efficient Inverse Cholesky Factorization

Hufei Zhu, Huawei Technologies Co., Ltd.; Wen Chen, Dept. of Electronic Engineering, Shanghai Jiao Tong Univ.

59280

4 Automatic Modulation Classification using Information Theoretic Similarity Measures

Aluisio Igor Rêgo Fontes, Fuad M. Abinader Jr., Leandro A. Pasa, Federal University of Rio Grande do Norte; Vicente A. de Sousa Jr., UFRN - Federal University of Rio Grande do Norte; José A. F. Costa, Luiz F. Q. Silveira, Federal University of Rio Grande do Norte

16155

5 Derivation of Log-Likelihood Ratio for M-ary Non-Orthogonal FSK Wireless System

Daisuke Nojima, Yuhei Nagao, Masayuki Kurosaki, Hiroshi Ochi, Kyushu Institute of Technology

97397

6 Effects of Arbitrarily Spaced Subcarriers on Detection Performance in OFDM-Radar

Johannes Fink, Martin Braun, Friedrich K. Jondral, Karlsruhe Institute of Technology

57819

7 Joint Symbol Timing and Channel Estimation in Two-Way Multiple Antenna Relay Networks

Zhe Jiang, Haiyan Wang, Northwestern Polytechnical University; Zhi Ding, UC Davis

91906

8 Linear Unbiased Channel Estimation and Data Detection in Superimposed OFDM Systems

Malihe Ahmadi, Majid Ghanbarinejad, University of Alberta; Aryan Saadat Mehr, University of Saskatchewan

90105

9 Low Complexity Beamforming Methods for MIMO-OFDM Systems

Farhad Tavassoli, Chi Zhou, Illinois Institute of Technology

60965

10 Low-complexity Rotated QAM Demapper for the Iterative Receiver Targeting DVB-T2 Standard

YouZhe Fan, Chi-ying Tsui, The Hong Kong University of Science and Technology

93717

11 On Subspace Noise Estimation for OFDM

Afshin Haghighat, InterDigital Communications Corporation

15238

12 Power Amplifier Behavioral Modeling by Neural Networks and their Implementation on FPGA

NTOUNE NTOUNE Roger Sandrin, Mohammed Bahoura, Park Chan-Wang, Université du Québec à Rimouski

20212

13 RSS-based Node Localization in the Existence of Moving Obstructions

Yun Zhou, Beijing University of Posts and Telecommunications; Guang Zhao, Beijing University of Post and Telecommunications; Bo Yang, Aidong Men, Beijing University of Posts and Telecommunications

76617

14 Spectral Estimation-based OFDM Radar Algorithms for IEEE 802.11a Signals

Martin Braun, Manuel Fuhr, Friedrich K. Jondral, Karlsruhe Institute of Technology

74155

15 Spectrum Sharing in Cognitive Radio Systems: Ergodic and Outage Capacities

Vahid Asghari, INRS-EMT, University of Quebec; Sonia Aissa, INRS, University of Quebec

85539

16 Time Delays Estimation from DS-CDMA Multipath Transmissions using Expectation Maximization

Ahmed Masmoudi, INRS EMT; Faouzi Bellili, Sofiene Affes, INRS-EMT

35168

17 Tone Interference Estimation for OFDM Systems Using a Frequency Domain DFT

Dongwon Bai, Heejin Roh, Jungwon Lee, Samsung US R&D Center

Transmission techniques Papers

22515

- 1 2-Step Frequency-Domain Channel Estimation for Training Sequence Inserted Single-Carrier Block Transmission**
Tetsuya Yamamoto, Fumiyuki Adachi, Tohoku University

46351

- 2 A Low Complexity Blind Data Detector for OFDM Systems**
Yi-Syun Yang, National Taiwan University; Wei-Chieh Huang, ITRI, Taiwan; Chih-Peng Li, National Sun Yat-Sen University; Hsueh-Jyh Li, National Taiwan University

19640

- 3 A Novel Hybrid ARQ Scheme Based on LDPC Code Extension and Feedback**
Hamid Saber, Ian Marsland, Carleton University

14676

- 4 A Novel OFDM Power Based Estimation for Dynamic Channels Tracking in Downlink LTE**
Ali KALAKECH, IFSTTAR; Loïc Brunel, MERCE; Marion Berbineau, Univ Lille Nord de France, IFSTTAR; David Mottier, Mitsubishi Electric R&D Centre Europe

74001

- 5 A Pilot-aided Frequency Offset Estimation Algorithm for OFDMA Uplink Systems**
Kilbom Lee, Sung-Hyun Moon, Inkyu Lee, Korea University

66743

- 6 A Pragmatic Design of Frequency-Domain Equalizers for Offset Modulations**
Miguel Luzio, FCT - Universidade Nova de Lisboa; Rui Dimis, IST, Tech. Univ. of Lisbon; Paulo Montezuma, FCT-Universidade Nova de Lisboa

63616

- 7 A Puncturing Scheme for Low-Density Parity-Check Codes Based on 1-SR Nodes**
Lijun Zhang, Fuli Ma, Beijing Jiaotong University; Cheng Lee Lung, City University of Hong Kong

64517

- 8 A Robust Communication System Based on Joint-Source Channel Coding for a Uniform Source**
Hieu T. Nguyen, Department of Electronics and Telecommunications, NTNU; Ilanko Balasingham, Tor Ramstad, NTNU

65109

- 9 A Simplified LLR-Based Detector for Signals in Class-A Noise**
Tarik Shehata, Ian Marsland, Mohamed El-Tanany, Carleton University

45707

- 10 Adaptive trace-orthonormal STBC for MIMO system with capacity approaching FEC codes**
Ammar El Falou, Charlotte Langlais, Telecom Bretagne; Charbel Abdel Nour, Institut TELECOM/TELECOM Bretagne; Catherine Douillard, ENST Bretagne

47585

- 11 Analytical Study of Multi-Antenna Relaying Systems in the Presence of Co-Channel Interference**
Kasun T. Hemachandra, Norman C. Beaulieu, University of Alberta

94286

- 12 BER of Noncoherent MFSK with Postdetection Switch-and-Stay Combining in TWDP Fading**
Sasan Haghani, Hadis Dashtestani, University of the District of Columbia

54710

- 13 Bi-directional DFEs for Plastic Optical Fiber based In-vehicle Infotainment System at 2-3Gbit/s**
Yixuan Wang, University of Stuttgart

60197

- 14 Bit error rate performance of Generalized Frequency Division Multiplexing**
Nicola Michailow, Stefan Krone, Michael Lentmaier, TU Dresden; Gerhard Fettweis, Technische Universität Dresden

58214

- 15 Comparison of Coded Modulations for Trellis-Shaped Single-Carrier PSK with PAPR Reduction**
Yuuki Nishino, Hideki Ochiai, Yokohama National University

18452

- 16 Cyclic Prefix Based Symbol Timing Synchronization Method for OFDM Systems by Using the Correlation Property of Preamble**
Junghwan Kim, Chong Wang, The University of Toledo

35076

- 17 Design of Low-Delay Distributed Joint Source-Channel Codes Using Irregular LDPC Codes**
Iqbal Shahid, Pradeepa Yahampath, University of Manitoba

79843

- 18 Distributed Lossy Source Coding Using Real-Number Codes**
Mojtaba Vaezi, Fabrice Labeau, McGill University

98076

- 19 Effect of Channel Noise on Fractionally Spaced CMA and MMA**
Jenq-Tay Yuan, Department of Electronic Engineering, Fu Jen Catholic University; Jen-Hung Chao, Lin Tzuchao, Fu Jen Catholic University

67212

- 20 Effects of Feedback Delay on the Performance of Multiple Relay Network over Nakagami-m Fading Channels**
Nuwan S. Ferdinand, Nandana Rajatheva, University of Oulu; Matti Latva-aho, Centre for Wireless Communications, University of Oulu

38738

- 21 Efficient Nonlinear Detector of Binary Signals in Rayleigh Fading and Impulse Interference**
Khodr Saaifan, Jacobs University Bremen; Khaled Hassan, Signalion GmbH; Werner Henkel, Jacobs Universität Bremen gGmbH

76144

- 22 Enhanced Beaconless Synchronization for Regulatory Domain Specific IEEE 802.15.4g Smart Utility Networks**
Chin-Sean Sum, Fumihide Kojima, NICT; Hiroshi Harada, National Institute of Information and Communications Technology

79900

- 23 EXIT Chart Based Joint Source-Channel Coding for Binary Markov Sources**
Xiaobo Zhou, Japan Advanced Institute of Science and Technology; Khoirul Anwar, Tad Matsumoto, Japan Advanced Institute of Science and Technology (JAIST)

84072

- 24 Feedback in LT Codes for Prioritized and Non-Prioritized Data**
Jesper Hemming Sørensen, Jan Østergaard, Petar Popovski, Aalborg University

72654

- 25 Frequency-Domain Turbo Equalisation in Coded SC-FDMA Systems: EXIT Chart Analysis and Performance**
Jiayi Zhang, Prof. Lie-Liang Yang, Lajos Hanzo, University of Southampton

44381

- 26 GFDM Interference Cancellation for Flexible Cognitive Radio PHY Design**
Rohit Datta, Nicola Michailow, Michael Lentmaier, TU Dresden; Gerhard Fettweis, Technische Universität Dresden

44460

27 IBI Cancellation and Circular Property Loss Restoration for Broadband DS-CDMA Using FDE Without CP Insertion

Min Zheng, Wei Peng, Fumiyuki Adachi, Tohoku University

13296

28 IIR Lattice-Based Blind Equalization Algorithms

Jenq-Tay Yuan, Department of Electronic Engineering, Fu Jen Catholic University; Hsiao-Fu Lee, Lin Tzuchao, Fu Jen Catholic University

53116

29 Indoor Experiments on 4-by-2 Multi-User MIMO

Employing Various Transmitter Antenna Arrangements in LTE-Advanced Downlink

Yuichi Kakishima, Teruo Kawamura, NTT DOCOMO, INC.; Yoshihisa Kishiyama, NTT DoCoMo, Inc.; Hidekazu Taoka, DOCOMO Communications Labs Europe GmbH, Munich, Germany; Hidehiro Andoh, NTT DOCOMO, INC

17474

30 Influence of HARQ with Unreliable Feedback on the Throughput of UMTS LTE

Tobias Breddermann, Benedikt Eschbach, RWTH Aachen University; Peter Vary, RWTH-Aachen

10352

31 Interference Alignment with Random Vector Quantization for MIMO Interference Channels

Hyun-Ho Lee, Young-Chai Ko, Korea University

39601

32 Iterative Block Decision Feedback Equalizer for Time-Frequency Interleave Diversity Scheme

Hongliang Mao, Yukui Pei, Ge Ning, Tsinghua University

62713

33 Iterative Frequency Domain Equalization for Single Carrier Signals with Magnitude Modulation Techniques

Marco Gomes, Instituto de Telecomunicações - University of Coimbra; Rui Dinis, Universidade Nova de Lisboa; Vitor Silva, Instituto de Telecomunicações - University of Coimbra; Francisco Cercas, Instituto de Telecomunicações; Martin Tomlinson, University of Plymouth

52549

34 Iterative Inter-carrier Interference Mitigation for Pilot-Aided OFDM Channel Estimation Based on Channel Linearizations

Ingmar Groh, Christian Gentner, Stephan Sand, German Aerospace Center (DLR)

46281

35 Iterative Overlap TD-QRM-ML Block Signal Detection for Single-Carrier Transmission without CP Insertion

Hideyuki Moroga, Tetsuya Yamamoto, Fumiyuki Adachi, Tohoku University

28005

36 Joint Maximum Likelihood and Expectation Maximization methods for Unsupervised Iterative Soft Bit Error Rate Estimation

Samir Saoudi, Jia Dong, Telecom Bretagne; Tarik Ait-Idir, INPT

92416

37 Joint Optimization of Bit and Power Allocation for Multicarrier Systems with Average BER Constraint

Ebrahim Bedeer, Octavia A. Dobre, Memorial University; Mohamed Hossam Ahmed, Memorial University of Newfoundland; Kareem Emile Baddour, Communications Research Centre

25145

38 Low Complexity LMMSE-based Channel Estimation for OFDM Systems in Frequency Selective Rayleigh Fading Channels

Shibo Hou, Beijing University of Posts and Telecommunications

12579

39 Low Complexity Progressive Edge-Growth algorithm based on Chinese Remainder Theorem

Xueqin Jiang, Donghua University; Moon -ho Lee, Chonbuk National University; Papa Ousmane Thiaw Diagne, Donghua University

31015

40 Measurement and Prediction for Turbo-SIC Receiver Performance for LTE

Sofia Martinez Lopez, Orange Labs; Fabian Diehm, Technische Universität Dresden; Raphaël Visoz, Baozhu Ning, Orange Labs

15649

41 Mixed-Rank Compound MIMO-X Interference Alignment for Multi-user Systems

Amin Mobasher, Research In Motion; Alireza Bayesteh, University of Waterloo; Yongkang Jia, Research In Motion

60417

42 Multi-User Aware Frame Structure for OFDMA Based System

Alphan Sahin, University of South Florida; Hüseyin Arslan, University of South Florida - USA

87142

43 Near ML Modulation Classification

Dongwoon Bai, Jungwon Lee, Samsung US R&D Center; Sung-Soo Kim, Samsung Electronics CO., LTD.; Inyup Kang, Samsung

44648

44 New Algorithms for Peak-to-mean Envelope Power Reduction of OFDM Systems Through Sign Selection

Mohammad Ghasemi Damavandi, University of Tehran, Tehran, Iran; Aliazam Abbasfar, University of Tehran

69904

45 Non-Parametric Interference Cancellation for CDMA Uplink System

Wei Zhang, Sharad Sambhwani, QUALCOMM Inc

72926

46 Novel Method to Improve Control Channel Reliability in LTE-Advanced Heterogeneous Network

Yajun Zhu, Anxin Li, Atsushi Harada, DOCOMO Beijing Communications Laboratories Co., Ltd

85400

47 Optimal Frequency Offsets with Doppler Spreads in Mobile OFDM System

Ting-Li Liu, National Taiwan University; Wei-Ho Chung, Academia Sinica; Zhang Hongke, Beijing Jiaotong University; Sy-Yen Kuo, National Taiwan University

13894

48 Optimum and Sub-Optimum Receivers for OFDM Signals with Iterative Clipping and Filtering

João Guerreiro, FCT-UNL; Rui Dinis, Universidade Nova de Lisboa; Paulo Carvalho, FCT- Universidade Nova de Lisboa

82373

49 Optimum Signal Shaping in OFDM-based Optical Wireless Communication Systems

Svilen Dimitrov, Harald Haas, University of Edinburgh

29397

50 Parametric Least Squares Estimation for Nonlinear Satellite Channels

Xiao Lei, Laura Cottatellucci, Eurecom

57448

51 Performance Analysis of OFDM Systems over 60 GHz Indoor Channels

Hsin-yueh Hsu, Tzung-Hua Tsai, Wei-De Wu, Chi-chao Chao, National Tsing Hua University

91933

52 Performance Analysis of Spatial Modulation over Correlated Fading Channels

Mutlu Koca, Bogazici University; Hikmet Sari, Supelec

69019

53 Performance Evaluation and Comparison between Iterative DS-CDMA and NDMA

Francisco Ganhão, Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa; Rui Dinis, Luis Bernardo, Rodolfo Oliveira, Universidade Nova de Lisboa

36784

54 Performance of DPPM UWB Communication Systems over Indoor Fading Channels

Tingting Lv, Hao Zhang, Ocean University of China; Aaron Gulliver, University of Victoria

49132

55 Pilot-Aided Equalization with a Constrained Noise-Estimation Filter

Maurizio Magarini, Arnaldo Spalvieri, Luca Barletta, Politecnico di Milano

76195

56 Rateless Codes with Progressive Recovery for Layered Multimedia Delivery

Zhao Chen, Yin Liuguo, Mai Xu, Jianhua Lu, Tsinghua University

44617

57 Reduced-Complexity Soft-Decision Aided PSK Detection

Chao Xu, Dandan Liang, University of Southampton; Shinya Sugiura, Toyota Central R&D Labs., Inc.; Dr Soon Xin (Michael) Ng, Lajos Hanzo, University of Southampton

52401

58 Reed-Solomon Virtual Codes Based Novel Algorithm for Sparse Channel Estimation in OFDM Systems

Jaouhar Ayadi, ECLEXYS - Communication Systems, Switzerland; Fatma Abdelkefi, SUPCOM

87413

59 Stochastic Optimization Assisted Joint Channel Estimation and Multi-User Detection for OFDM/SDMA

Jiankang Zhang, Univ. of Southampton, UK; Sheng Chen, Univ. of Southampton; Xiaomin Mu, Zhengzhou University; Lajos Hanzo, University of Southampton

61026

60 Stop-and-Wait Hybrid-ARQ performance at IP level under imperfect feedback

Sébastien Marcille, Thales Communications; Philippe Ciblat, TELECOM ParisTech; Christophe Le Martret, Thales Communications

98307

61 Subcarrier Power Allocation in OFDM with Low Precision ADC at Receiver

Tapan Shah, Tata Institute of Fundamental Research, Mumbai; Onkar Dabeer, Tata Institute for Fundamental Research, Mumbai, India

89703

62 Superposition Coded Modulation for Cooperative Communications

Hua Sun, Dr Soon Xin (Michael) Ng, Lajos Hanzo, University of Southampton

63808

63 SVD-Based Channel Estimation for MIMO Relay Networks

Xinwei Yu, Yindi Jing, University of Alberta

22459

64 The Quasi-Uniform Redundant Carrier Placement for UW-OFDM

Heidi Steendam, Ghent University

57988

65 The Smearing Filter Design Techniques for Data Transmission

Grace, University of Greenwich

50265

66 Throughput Performance of CF-Based Adaptive PAPR Reduction Method for Eigenmode MIMO-OFDM Signals with AMC

Shoki Inoue, Tokyo University of Science; Teruo Kawamura, NTT DOCOMO, INC.; Kenichi Higuchi, Tokyo University of Science

75619

67 Throughput-maximising link configuration for mutually interfering data terminals

Virgilio Rodriguez, Universitaet Paderborn

Transportation, vehicular electronics and telematics Papers

26045

1 Bit Error Rate Analysis in WiMAX Communication at Vehicular Speeds Using Nakagami-m Fading Model

Biswojit Bose, Iftekhar Ahmad, Prof Daryoush Habibi, Edith Cowan University

26434

2 Context-Aware Mobile Intelligent Transportation Systems

Tran Minh Quang, Muhammad Ariff Baharudin, Shibaura Institute of Technology; Eiji Kamioka, Prof. Shibaura Institute of Technology

62678

3 Efficient Floating Car Data Transmission via LTE for Travel Time Estimation of Vehicles

Christoph Ide, TU Dortmund University; Timo Knaup, University Duisburg-Essen; Brian Niehoefler, Dortmund University of Technology; Daniel Weber, Lars Habel, Michael Schreckenber, University Duisburg-Essen; Christian Wietfeld, Dortmund University of Technology

16892

4 Energetic Optimization of the Driving Speed based on Geographic Information System Data

Souso Kelouwani, University du Québec à Trois-Rivières; Kodjo Agbossou, UQTR; Yves Dubé, University du Québec à Trois-Rivières; Loïc Boulon, UQTR

76880

5 Field Measurements of IEEE 802.11p Communication in NLOS Environment for a Platooning Application

Kristian Karlsson, Carl Bergenheim, Erik Hedin, SP Technical Research Institute of Sweden

62577

6 Grouped Interference Alignment in Inter-Vehicle Communications

Takayuki Shimizu, Doshisha University; Akihisa Yokoyama, Toyota InfoTechnology Center USA; Hisato Iwai, Doshisha University

56158

7 Impact of Density, Load, and Mobility on the Performance of Routing Protocols in Vehicular Networks

Bruno Gois Mateus, Federal University of Ceara; Carina Teixeira de Oliveira, Grenoble Informatics Laboratory (LIG), University Joseph Fourier (UJF); Arthur de Castro Callado, Federal University of Ceara; Stenio Fernandes, Federal University of Pernambuco; Rossana M. C. Andrade, Federal University of Ceara

77355

8 Learning-Based Channel Selection of VDSA Networks in Shared TV Whitespace

Si Chen, Worcester Polytechnic Institute; Rama Vuyyuru, Toyota InfoTechnology Center USA; Onur Altintas, TOYOTA InfoTechnology Center; Alexander Wyglinski, Worcester Polytechnic Institute

54267

9 Location Based Data Delivery Schedulers for Vehicle Telematics Applications

Ke Xu, Clemson University; Philip Orlik, Mitsubishi; Yukimasa NAGAI, Masashi Saito, Mitsubishi Electric Corporation

85340

10 Multichannel Cognitive Medium Access Control protocol for VANET

Niravkumar Shah, Prof Daryoush Habibi, Iftekhar Ahmad, Edith Cowan University

51456

11 Object-to-Track Association Under the Transferable Belief Model Framework

Fadi Fayad, American University of Science & Technology; Khalil Hamadeh, Automation Systems and Diagnostics

82156

12 Robust Traffic Assignment in Transportation Networks Using Network Criticality

Agop Koulakezian, Hazem Soliman, Tang Tang, Dr. Alberto Leon-Garcia, University of Toronto

57385

13 Tomorrow's In-Car Interconnect? A Competitive Evaluation of IEEE 802.1 AVB and Time-Triggered Ethernet (AS6802)

Till Steinbach, Hamburg University of Applied Sciences; Hyung-Taek Lim, BMW Group Research and Technology; Franz Korf, Thomas C. Schmidt, Hamburg University of Applied Sciences; Daniel Herrscher, BMW Group Research and Technology; Adam Wolisz, Technische Universita?t Berlin

91676

14 Traffic differentiation - a basic step towards providing end-to-end QoS on the train-to-wayside wireless communication system

Milos Rovcanin, Univeristy of Gent; Dries Naudts, Daan Pareit, University of Ghent; Johan Bergs, University of Antwerp (PATS); Erwin Van de Velde, University of Antwerp; Ingrid Moerman, Ghent University; Chris Blondia, University of Antwerp; Piet Demeester, University of Ghent

82543

15 VCAST: An infrastructure-less vehicular traffic information service with distance-sensitive precision

Vinod Kulathumani, Yaser P. Fallah, West Virginia University

97417

16 VECADS: Vehicular Context-Aware Downlink Scheduling for Drive-thru Internet Systems

Tan Hing Hui, Wing Cheong Lau, OnChing Yue, The Chinese University of Hong Kong

60794

17 Vehicular Traffic Modeling Governed by Cellular Phone Trajectories

Ryan Neighbour, Marcia R. Friesen, Bob McLeod, University of Manitoba; S.N. Mukhi, Canadian Network for Public Health Intelligence; Matthew Crowley, MTS Allstream

73190

18 Virtual Virtual Circuits: One Step Beyond Virtual Mobile Nodes in Vehicular Ad-hoc Networks

Jack Fernando Bravo-Torres, Salesian Polytechnic University; Martin Lopez-Nores, Yolanda Blanco-Fernández, José Juan Pazos-Arias, University of Vigo

Wireless applications and services Papers

85428

1 A Comparison of Reactive, Grid and Hierarchical Location-based Services for VANETs

Marwane Ayaida, Hacene Fouchal, Lissan Afilal, University of Reims; Yacine Ghamri-Doudane, Université Paris-Est (LIGM Lab) & ENSIE

22998

2 A Low-Complexity Data-Fusion Algorithm Based on Adaptive Weighting for Location Estimation

Yih-Shyh Chiou, Fuan Tsai, National Central University; Sheng-Cheng Yeh, Ming Chuan University

36208

3 A Low-Power Multi-Radio Wireless Network for Mobile Asset Tracking

Gang Ding, Rick Farley, Dilip Krishnaswamy, Qualcomm

49691

4 A Method of Increasing Data Rate for Human Body Communication System for Body area Network Applications

Taewook Kang, ETRI; In-gi Lim, Convergence Components & Materials Research Laboratory, ETRI; Junghwan Hwang, Changhee

Hyoung, ETRI; Hyung-il Par, Convergence Components & Materials Research Laboratory, ETRI; Sungweon Kang, ETRI

97160

5 A No-Touch Mechanism to Initiate Mobile Applications on Smart Phones

Chia-Yu Lin, Yu-Jia Chen, Li-Chun Wang, National Chiao Tung University; Yu-Chee Tseng, National Chiao-Tung University

29418

6 A Novel Fast Tag Estimate Algorithm for Anticollision Aloha RFID System

Shuai Wang, Beijing University of Posts and Telecommunications

84390

7 A Trust Distribution Service for MANETs

David Kidston, CRC Canada; Humphrey Rutagemwa, Communications Research Centre

72227

8 An Extensible Distributed Measurement Platform for Analyzing Quality-of-Experience (QoE) of Multimedia Applications over Wireless Networks

Ying Wai Wong, Wing Cheong Lau, Kin Ming Chan, Yichen Yang, Chun Yu Tang, Fung Lam, Kin Man Lo, The Chinese University of Hong Kong

25139

9 Cost-Effective and Feasible Handoff Application for Mobile Phones

Maike Kuhnert, Thang Tran, TU Dortmund University; Christian Wietfeld, Dortmund University of Technology

78250

10 Evaluation of a collaborative-based filter technique to proactively detect pedestrians at risk

Christian Voigtmann, Sian Lun Lau, Klaus David, University of Kassel

59251

11 Neural Network-Based Accuracy Enhancement Method for WLAN Indoor Positioning

Yubin Xu, Yongliang Sun, Harbin Institute of Technology

77716

12 Parking Navigation for Alleviating Congestion in Multilevel Parking Facility

Masahiro Kenmotsu, Weihua Sun, Nara Institute of Science and Technology; Naoki Shibata, Shiga University; Keiichi Yasumoto, Minoru Ito, Nara Institute of Science and Technology

97423

13 Stochastic Optimal SIM Selection for Multi-SIM Cell-phone Architecture using semi-Markov Decision Processes

M. A. Murtaza, M M Qudoos, M Tahir, University of Engineering and Technology Lahore

14949

14 Using Vehicular Sensor Networks for Mobile Surveillance

Kun-chan Lan, Chien-Ming Chou, Han-Yi Wang, National Cheng Kung University

Wireless multiple access techniques Papers

16522

1 A Hybrid Approach of Time-Frequency Domain Interference Coordination for QoS Guarantee in Macro-Femto Co-channel Deployment

Zhenguo Du, University of Science and Technology of China; Peilin Hong, Kaiping Xue, University of Science and Technology of China; Hao Tang, University of Science and Technology of China

63964

2 A MU-MIMO CQI estimation method for MU-MIMO UEs in LTE systems

Hung Tuan Nguyen, Aalborg University; Istvan Z. Kovacs, Nokia Siemens Networks

23673

3 A New Paradigm for Power Control in Future Cellular Systems

Mauricio G. Cea, Graham C. Goodwin, University of Newcastle; Torbjorn Wigren, Ericsson AB

66178

4 A Novel Network Coding Multi-User Coordinated Multipoint Downlink Transmission Scheme

Wei Zhou, Ying Li, Yue Sun, Xidian University; Dengkui Zhu, ZTE Corporation

91999

5 A Novel Power Ramping Scheme of M2M for WCDMA Random Access Channel

Lingling Xu, Tian Hui, Ziqiang Liu, Yao Huang, Beijing University of Posts and Telecommunications; Haidong Yan, Huawei Technologies Co., Ltd.

13070

6 A Novel QoE-Based Carrier Scheduling Scheme in LTE-Advanced Networks with Multi-Service

Fei Liu, Beijing University of Posts & Telecommunications; Wei Xiang, University of Southern Queensland; Yueying Zhang, Beijing University of Posts & Telecommunications; Kan Zheng, Hui Zhao, Beijing University of Posts and Telecommunications

84643

7 A Proposal for Radio Resource Allocation of TDM Inter-Cell Interference Coordination to Heterogeneous Networks with Pico Cells in LTE-Advanced

Noriaki Miyazaki, KDDI R&D Laboratories

83383

8 A Simple Scheduling Restriction Scheme for Interference Coordinated Networks

Moo Ryoung Jeong, DOCOMO Innovations, Inc.; Nobuhiko Miki, NTT DOCOMO

12430

9 Achievable Net-Rates in Multi-User OFDMA with Partial CSI and Finite Channel Coherence

Peter Rost, NEC Europe Labs

90453

10 An adaptive backoff algorithm for OFDMA systems

Yao Huang, Tian Hui, Chen Qin, Jinghong Li, Jun Zhang, Beijing University of Posts and Telecommunications

51448

11 Bargaining Solutions for Multicast Subgroup Formation in LTE

Leonardo Militano, University of Reggio Calabria; Massimo Condoluci, University "Mediterranea" of Reggio Calabria; Giuseppe Araniti, University Mediterranea of Reggio Calabria; Antonio Iera, University "Mediterranea" of Reggio Calabria

50828

12 Base-Station Duty-Cycling and traffic buffering as a means to achieve Green Communications

Rohit Gupta, CEA-LETI; Emilio Calvanese Strinati, CEA-LETI MINATEC

61182

13 Channel Measurement and Channel Quality Reporting in LTE-Advanced Relaying Systems

Su Yi, NEC Laboratories, China; Yu Zhang, NEC Laboratories China; Zhennian Sun, NEC Laboratories, China; Ming Lei, NEC Laboratories China

87309

14 Comparison of Policy Realization Strategies for LTE Networks

Usama Mir, Telecom Bretagne Rennes; Loutfi Nuaymi, Telecom Bretagne

72309

15 Discrete Power Allocation via Ant Colony Optimization for Multi-cell OFDM Systems

Da Wang, X D Xu, Xin Chen, Xiaofeng Tao, Beijing University of Posts and Telecommunications; Yue Yin, BUPT

47942

16 Distributed Resource Allocation with Inter-cell Interference Coordination in OFDMA Uplink

Shuhui Liu, Beijing University of Posts & Telecommunications; Yongyu Chang, Dacheng Yang, Beijing University of Posts and Telecommunications

82119

17 Dynamic Cell Expansion: Traffic Aware Low Energy Cellular Network

Weisi Guo, Timothy O'Farrell, University of Sheffield

93898

18 Efficient and Fair Resource Allocation Scheme for OFDMA Networks Based on Auction Game

Seyed Mohamad Alavi, Chi Zhou, Illinois Institute of Technology; Wangen Wan, Shanghai University

33855

19 Efficient Paging Control for Carrier Aggregation in LTE-A System

Chie Ming Chou, NCTU; Ching-Yao Huang, National Chiao Tung University

50713

20 Evaluation of Joint Sleep and Idle Mode in IEEE 802.16x WIMAX

Fuad M. Abinader Jr., Federal University of Rio Grande do Norte; Vicente A. de Sousa Jr., UFRN - Federal University of Rio Grande do Norte; Adaildo Gomes D'Assunção, Federal University of Rio Grande do Norte; Anderson S. B. Fernandes, UFRN ? Federal University of Rio Grande do Norte; Níbia S. Bezerra, UFC - Federal University of Ceará; Gino Lozada, PUCP - Pontifical Catholic University of Peru; Nokia Corporation, Nokia Corporation

33010

21 Fast Adaptive S-ALOHA Scheme for Event-driven Machine-to-Machine Communications

Huasen Wu, Beihang University; Chenxi Zhu, Mallard Creek Networks; Richard La, University of Maryland; Xin Liu, University of California, Davis; Youguang Zhang, Beihang University

59128

22 Flow Splitting for Multi-RAT Heterogeneous Networks

Xiao Ma, Min Sheng, Yan Zhang, Xidian University

70481

23 Frequency-Domain Scrambling Differential Detection and Equalization for DFT Scrambling Vector OFDM System

Gao Zhou, Ping Zhi Fan, Li HAO, Southwest Jiaotong University

83477

24 Hadamard Transform Based Codebook Design for Uniform Circular Arrays in Mobile Radio Communications

Lu Wu, Alcatel-Lucent Shanghai Bell; Hongwei Yang, Alcatel Shanghai Bell

34720

25 Handheld receivers coverage by DVB-T2

Muhammad Moiz Anis, Xavier Lagrange, Ramesh Pyndiah, Telecom Bretagne

32775

26 IEEE 802.11n: Performance Analysis with Spatial Expansion, Receive Diversity and STBC

Roger Pierre Fabris Hoefel, Federal University of Rio Grande do Sul, Brazil

38201

27 Impact of Backhaul Subframe Misalignment on Uplink System Performance of LTE-Advanced Relay Networks

Ömer Bulakci, Nokia Siemens Networks; Andrei S. Nedelcu, Technische Universität München; Abdallah Bou Saleh, Aalto University; Simone Redana, Nokia Siemens Networks GmbH & Co. KG; Jyri Hämäläinen, Aalto University, Comnet

23667

28 Impact of Outdated Feedback on the Performance of M-QAM Adaptive Modulation in User Selection Diversity Systems with OSTBC over MIMO Rayleigh Fading Channels

Mohammad Torabi, Jean-François Frigon, École Polytechnique de Montréal

98095

29 Interference Evaluation for Distributed Collaborative Radio Resource Allocation in Downlink of LTE Systems

Bahareh Jalili, University of Surrey; Mahima Mehta, IIT Bombay; Mehrdad Dianati, University of Surrey; Abhay Karandikar, Indian Institute of Bombay; Barry Evans, University of Surrey

40475

30 Joint Utility Maximization in Two-tier Networks by Distributed Pareto-Optimal Power Control

Duy T. Ngo, McGill University; Long, Le, INRS, University of Quebec; Tho Le-Ngoc, McGill University

70965

31 Link Adaptation Control in LTE Uplink

Pierre Bertrand, Texas Instruments Inc; Jiang Jing, Tony Ekpenyong, Texas Instruments

85951

32 MAI and MI Performance of the Orthogonal Complementary Code Based DS-BPAM UWB System

Zhiqian Bai, Fang Zhao, Yongjie Xu, Dongfeng Yuan, Shandong University; Kyungsup Kwak, Inha University

71439

33 Multi-Antenna Uplink Transmission for LTE-A

Yan Meng, Alcatel-Lucent Shanghai Bell, Co., Ltd; Gang Shen, Alcatel Shanghai Bell; Jiyong Pang, Alcatel-Lucent Shanghai Bell; Wei Wang, Feng Han, Alcatel Shanghai Bell

44867

34 On the Dependence between FPC and ICIC in SC-FDMA Cellular Systems

Javier Lafuente, Ángela Hernández-Solana, Antonio Valdovinos, University of Zaragoza

96394

35 Optimization of Discontinuous Reception (DRX) for Mobile Internet Applications Over LTE

Satish Chandra Jha, Ali Koc, Intel Corporation; Rath Vannithamby, Intel Co.

41231

36 Performance Analysis and Parameter Optimization of Random Access Backoff Algorithm in LTE

Xiaobin Yang, Abraham O. Fapojuwo, Emeka Egbogah, University of Calgary

50232

37 Performance Study of IEEE 802.11s PSM in FTP-TCP

Mirza Nazrul Alam, Riku Jäntti, Aalto University; Jarkko Knecht, Nokia; Johanna Nieminen, Nokia Research Center, Helsinki, Finland

50669

38 Physical Cell Identity Assignment in Heterogeneous Networks

Oumer Teyeb, Gunnar Mildh, Anders Furuskär, Ericsson Research

61589

39 Resource allocation for downlink OFDMA relay networks with imperfect CSI

Jaeho Lee, Hanmok Shin, J. H. Lee, Seoul National University

62704

40 Scheduling for Frequency Hopped Access with Randomized Frame Lengths

Bill Kiki-Sagbe, École de Technologie Supérieure; Francois Gagnon, Ecole de Technologie Supérieure

47624

41 Self-Optimization of Downlink Transmission Power in 3GPP LTE-A Heterogeneous Network

YuPeng Wang, Dongyao Wang, Alcatel-Lucent Shanghai Bell; Jiyong Pang, Alcatel-lucent Shanghai Bell; Gang Shen, Alcatel Shanghai Bell

54140

42 Study of the Degree of Fairness for a Parallel Relay 2-hop OFDMA Virtual Cellular Network

Gerard Jimmy Paraison, Eisuke Kudoh, Tohoku Institute of Technology

59434

43 Subchannel and Transmission Mode Scheduling for D2D Communication in OFDMA Networks

Min-Hong Han, Byung-Gook Kim, Jang-Won Lee, Yonsei University

86221

44 System Performance of Inter-NodeB MF-HSDPA with Enhancements to Backhaul Flow/Congestion Control

Weiyang Ge, Qualcomm Inc.; Rohit Kapoor, Danlu Zhang, Qualcomm; Sharad Sambhwani, QUALCOMM Inc; Mario Scipione, Qualcomm Inc.

25159

45 The Potential of a Hybrid Fixed/User Relay Architecture--- A Performance Analysis

Agisilaos Papadogiannis, Yutao Sui, Chalmers University of Technology; Tommy Svensson, Department of Signals and Systems, Chalmers University of Technology

93179

46 Towards Improved QoS in 802.16e Mobile WiMAX

Young Gil Kim, University of Seoul; Norman C. Beaulieu, University of Alberta; Mohamed Oussama Damen,, University of Waterloo

73399

47 Uplink interference protection as a non-cooperative game over OFDMA networks

Rodrigo Vaca Ramirez, John Thompson, University of Edinburgh; Victor M. Ramos M., Universidad Autonoma Metropolitana

Wireless networks Papers

98079

1 A Centralised Approach to Power On-Off Optimisation for Heterogeneous Networks

Georgios P. Koudouridis, R&D center, Huawei Technologies Sweden AB; Gao Hui, Huawei; Peter Legg, R&D center, Huawei Technologies Sweden AB

92954

2 A Dynamic Energy Savings Scheme Based on Enhanced Mobility Load Balancing

Jinlin Peng, University of Science and Technology of China; Peilin Hong, Kaiping Xue, University of Science and Technology of China; Hao Tang, University of Science and Technology of China

20308

3 A Dynamic Resource Assignment Method for Uncoordinated Wireless Networks

Serkan Uygungelen, Zubin Bharucha, DOCOMO Euro-Labs

60342

4 A High-efficient Algorithm Of Mobile Load Balancing in LTE System

Ying Yang, Pengfei Li, XiaoHui Chen, WeiDong Wang, University of Science and Technology of China

56264

5 A Multiple-MAC-Based Protocol to Identify Misbehaving Nodes in Network Coding

Juan Camilo Corena, Tomoaki Ohtsuki, Keio University

77982

6 AF MIMO Wireless Relay Networks Under Received Power Constraint

Kanghee Lee, Hyuck M. Kwon, Hyunggi Kim, Edwin Sawan, Wichita State University

79568

7 An Advanced Semi-Markov Process Model for Performance Analysis of Wireless LANs

Kai Huang, Guixia Kang, Hao Wang, Beijing University of Posts and Telecommunications

81441

8 An Iterative Water-filling Based Resource Allocation Scheme in OFDMA Systems for Energy Efficiency Optimization

Zhiqing Wei, FENG Zhiyong, Tianping Shuai, Rong li, Beijing University of Posts and Telecommunications

61772

9 An MDP-Based Handover Decision Algorithm in Hierarchical LTE Networks

Panj, Wenyi Zhang, University of Science and Technology of China

42208

10 Analysis of Delay-Energy Tradeoff and Energy Minimization Schemes for Machine-to-Machine Communication in OFDMA Cellular Networks

Chieh Yuan Ho, ChingYao Huang, National Chiao Tung University

36796

11 Automatic Neighbor Relation Penetration Probability Prediction

Yingzhe Li, Li Ji, Li Yang, Huawei

28389

12 BEP and Throughput Analysis of Incremental Selective Relaying in DS-CDMA Systems

Hela Hakim, Higher School of Communication of Tunis; Hatem BOUJEMAA, SUPCOM; Wessam Ajib, University of Québec at Montréal

88904

13 Channel- and delay-aware scheduling and packet dropping for real time traffic over WiMAX networks

Rudzidatul Akmam Dziauddin,, Dritan Kaleshi, Angela Doufexi, University of Bristol

37741

14 Cluster-based Resource Allocation for Interference Mitigation in LTE Heterogeneous Networks

Hao Tang, University of Science and Technology of China; Peilin Hong, Kaiping Xue, University of Science and Technology of China; Jinlin Peng, University of Science and Technology of China

46734

15 Coalition Network Elements for Base Station Cooperation

Jie Zhang, UESTC; Rong Zhang, Univ. of Southampton; Guangjun Li, UESTC; Lajos Hanzo, University of Southampton

12717

16 Comparison of LTE Performance Indicators and Throughput in Indoor and Outdoor Scenarios at 700 MHz

Ching-pu Wu, University of Colorado at Boulder; Ken Baker, University of Colorado, USA

82842

17 Cross-Layer Relay Selection for Energy-Efficient TCP in Wireless Cooperative Networks

Gengyu Li, Beijing University of Post and Telecommunications; Jia Dong, Hu Li, Beijing University of Posts and Telecommunications

83903

18 Design and Quantitative Assessment of a Novel Hybrid Cloud Architecture for VANET Simulations

Hector Agustin Cozzetti, Giuseppe Caragnano, Klodiana Goga, Daniele Brevi, Olivier Terzo, Riccardo Scopigno, Istituto Superiore Mario Boella

19256

19 Distributed Cooperative Q-learning for Power Allocation in Cognitive Femtocell Networks

Hussein Saad, Nile University; Amr Mohamed, Qatar University; Tamer ElBatt, Nile University

96678

20 Distributed Resource Allocation Scheme for Multicell OFDMA Networks Based on Combinatorial Auction

Seyed Mohamad Alavi, Chi Zhou, Illinois Institute of Technology; Wangen Wan, Shanghai University

19057

21 Dual Type Communication Range Recognition Method (D-CRR) for Indoor Position Estimation of Passive RFID tags

Yuki Oda, Atsuki Inada, Emi Nakamori, Manato Fujimoto, Tomotaka Wada, Kansai University; Kouichi Mitsuura, Shinshu University; Hiromi Okada, Kansai University

35374

22 Efficient IP Mobility Management for Green Optical and Wireless Converged Access Networks

S.H.Shah Newaz, Korea Advanced Institute of Science and Technology; Gyu Myoung Lee, Institut Telecom, Telecom SudParis

12738

23 eCIC Functionality and Performance for LTE HetNet Co-Channel Deployments

Klaus I. Pedersen, Nokia Siemens Networks; Yuanye Wang, Powerwave Technologies; Beatriz Soret, Aalborg University; Frank Frederiksen, Nokia Siemens Networks

96792

24 Enabling Network Based Local Mobility With Cooperative Access Points

Yang Xia, A/P Chai Kiat Yeo, Nanyang Technological University

65876

25 Energy-Efficiency based Resource Allocation for the Orthogonal Multi-user Channel

Fabien Heliot, Muhammad Ali Imran, Professor Rahim Tafazolli, University of Surrey

68429

26 Energy-Efficient Binary Power Control with Bit Error Rate Constraint in MIMO-OFDM Wireless Communication Systems

Xi Huang, HUST; Xiaohu Ge, Yuming Wang, Huazhong University of Science and Technology; Frank Y. Li, University of Agder

79790

27 Exact Analytical Solution for Dual-Hop and Opportunistic Dual-Hop AF Relaying Systems

Samy Soliman, Norman C. Beaulieu, University of Alberta

16490

28 Flexible Spectrum Sharing and Interference Coordination for Low Power Nodes in Heterogeneous Networks

Carlo Galietto, Nicola Marchetti, CTVR - Trinity College Dublin; Linda Doyle, University of Dublin, Trinity College

21864

29 Heterogeneous Deployment to Meet Traffic Demand in a Realistic LTE Urban Scenario

Claudio Coletti, Aalborg University; Liang Hu, Aalborg University & Technical University of Denmark; Huan Cong Nguyen, Aalborg University; Istvan Z. Kovacs, Nokia Siemens Networks; Ralf Irmer, Vodafone Group Research & Development; Neil Scully, Vodafone

58875

30 Hybrid Access Design for Femtocell Networks With Dynamic User Association and Power Control

Vu, Ha Nguyen, Long, Le, INRS, University of Quebec

28750

31 Inter Technology Load Balancing Algorithm for Evolved Packet System

Marek Skowron, Suneth Namal, Jani Pellikka, Andrei Gurtov, University of Oulu

83652

32 Interference Aware Positioning of Aerial Relays for Cell Overload and Outage Compensation

Sebastian Rohde, Christian Wietfeld, Dortmund University of Technology

10192

33 Joint Macro and Femto Field Performance and Interference Measurements

Niels Terp Kjeldgaard Jørgensen, Aalborg University; Tero Isotalo, Tampere University of Technology; Klaus I. Pedersen, Nokia Siemens Networks; Preben E. Mogensen, Aalborg University

91478

34 Joint Selection of On/off Relay Mode and Adaptive Modulation Mode for Green Cooperative Multicast Networks

Shi-Yong Lee, De-Nian Yang, Academia Sinica

24293

35 LTE FDD Physical Random Access Channel Dimensioning and Planning

Carlos Ubada, Salvador Pedraza, Miguel Regueira, Javier Romero, Ericsson

79249

36 LTE HetNet Trial - Range Expansion including Micro/Pico Indoor Coverage Survey

Peter Ökvist, Arne Simonsson, Ericsson Research

35487

37 MCS and Sub-band Selection for Downlink Interference Coordination in LTE-A Femtocells

Olga Muñoz, Technical University of Catalonia (UPC); Adrián Agustín, Universitat Politècnica de Catalunya; Josep Vidal, Technical University of Catalonia (UPC), Barcelona, Spain

17166

38 Multi-Domain Load Balancing for Heterogeneous Network in LTE-A

Bo Li, Ningxia University

41425

39 On Small Cell Network Deployment: A Comparative Study of Random and Grid Topologies

Chung Shue Chen, Alcatel-Lucent Bell Labs; Van Minh Nguyen, Sequans Communications; Laurent Thomas, Alcatel-Lucent Bell Labs

76009

40 On the security of UWB secret key generation methods against deterministic channel prediction attacks

Sana TMAR BEN HAMIDA, Dr. Jean-Benoît PIÉROT, Benoît Denis, CEA-Leti Minatec; Claude Castelluccia, INRIA Rhône-Alpes; Bernard Uguen, IETR - INSA de Rennes

45981

41 On Traffic Characteristics Comparison of ADSL and CDMA network

Chao Dong, Bolun Huang, Lun Yuan, Zhenming Lei, Jie Yang, Beijing University of Posts and Telecommunications

91356

42 Optimising Femtocell Placement in an Interference Limited Network: Theory and Simulation

Siyi Wang, The University of Sheffield; Weisi Guo, Timothy O'Farrell, University of Sheffield

74089

43 Optimization of Scheduling and Routing in Wireless Ad-Hoc Networks Using Cubic Games

Ebrahim Karami, University of Saskatchewan; Savo Glisic, University of Oulu

93499

44 Overload Control for Machine Type Communications with Femtocells

Ang-Hsun Tsai, Li-Chun Wang, National Chiao Tung University; Jane-Hwa Huang, National Chi Nan University; Tzu-Ming Lin, University of Tsing Hua

11907

45 Pareto Optimal Power Control Scheduling for OFDMA Networks

Harald Burchardt, Sinan Sinanovic, University of Edinburgh; Gunther Auer, DOCOMO Euro-Labs; Harald Haas, University of Edinburgh

71884

46 Pareto Optimal SINR Scheduling for Femto-cell Deployment in Wireless Networks

Harald Burchardt, Sinan Sinanovic, University of Edinburgh; Gunther Auer, DOCOMO Euro-Labs; Harald Haas, University of Edinburgh

51875

47 Performance evaluation of dual carrier feature in the uplink of HSPA+ systems

Amal Abdel Razzac, Lebanese University, EDST; Salah Eddine Elayoubi, Orange Labs

11202

48 Performance Evaluation of TDMA Based Wireless Network Coding Prototype

Nobuaki Otsuki, NTT Access Network Service Systems Laboratories, NTT Corporation; Takatoshi Sugiyama, NTT Access Network Service Systems Laboratories

17269

49 Power Savings and Performance Analysis in Wireless Networks

Mohammed Boulmalf, International University of Rabat

66905

50 Power-Efficient Radio Resource Allocation for Low-Medium-Altitude Aerial Platform Based TD-LTE Networks

Liqiang Zhao, Chi Zhang, Xidian University; Lajos Hanzo, University of Southampton; Hailin Zhang, Xidian University

24790

51 Radio Resource Allocation for Single-network and Multi-homing Services in Heterogeneous Wireless Access Medium

Muhammad Ismail, Weihua Zhuang, University of Waterloo; Ming Yu, Com Dev

40822

52 Realistic Indoor Wi-Fi and Femto deployment Study

Liang Hu, Aalborg university & Technical University of Denmark; Martin Hundebøll, Janus Heide, Stephan A. Rein, Frank H.P. Fitzek, Claudio Coletti, Aalborg University

89615

53 Reliable Communication in Wireless Meshed Networks using Network Coding

Peyman Pahlevani, Achuthan Paramanathan, Aalborg university; Martin Hundebøll, Janus Heide, Stephan A. Rein, Frank H.P. Fitzek, Aalborg University

16465

54 Resource Allocation and Routing in MIMO-WPM Cognitive Radio Ad-Hoc Networks

Xin Jin, Abdelwaheb Marzouki, Djamal Zeglache, Institut Mines-Télécom, Télécom SudParis; Mathew Goonewardena, (INRS) Institut national de la recherche scientifique

27791

55 Resource allocation for Multicast Services with Joint FGS Video Coding and UEP RS Coding Scheme in Single Frequency Networks

Lei Chen, Wang Xiaoxiang, Beijing University of Posts and Telecommunications

11840

56 Resource Block Assignment for Interference Avoidance in Femtocell Networks

Yu-Shan Liang, National Taiwan University; Wei-Ho Chung, Academia Sinica; Chia-Mu Yu, Academia Sinica and National Taiwan University; Zhang Hongke, Beijing Jiaotong University; Sy-Yen Kuo, National Taiwan University

29640

57 Resource Management in 4G Wireless Communications at Vehicular Speeds: A Game Theory Solution

Iftekhar Ahmad, Edith Cowan University

68475

58 SecAT-Dist: A Novel Secure AT-Dist Localization Scheme for Wireless Sensor Networks

Abderrahim Benslimane, Université d'Avignon et des Pays de Vaucluse; Amal Abdelkarim, University of Mannouba; Issam mabrouki, University of Manouba; Abdelfettah Belghith, University of Manouba, Tunisia

48329

59 Secrecy Capacity of Space Keying with Two Antennas

Sinan Sinanovic, University of Edinburgh; Nikola Serafimovski, Jacobs University Bremen; Marco Di Renzo, French National Center for Scientific Research (CNRS); Harald Haas, University of Edinburgh

93377

60 Small Cells -- Effective Capacity Relief Option for Heterogeneous Networks

Vladan Jovanovic, Newfield Wireless; Mike Hughes, NextG Networks

90075

61 Spectral Efficiency and Fairness Tradeoffs in Cellular Networks with Realtime+Nonrealtime Traffic Mix using Stochastic Petri Nets

Rainer Schoenen, RWTH Aachen University; Akram Bin Sediq, Halim Yanikomeroglu, Carleton University; Gamini Senarath, Zhijun Chao, Huawei Technologies; Ho Ting Cheng, Huawei Technologies Canada

84392

62 The GTCF Method for Exact Analysis of Multihop AF Relaying Systems

Norman C. Beaulieu, Samy Soliman, University of Alberta

14540

63 The Impact of Packet Loss Behavior in 802.11 b/g on the Cooperation Gain in Reliable Multicast

Janus Heide, Aalborg University; Peter Vingelmann, Budapest University of Technology and Economics; Morten V. Pedersen, Aalborg University; Qi Zhang, Aarhus School of Engineering, Aarhus University; Frank H.P. Fitzek, Aalborg University

71303

64 Throughput Adaptation and Traffic Ratio Control in Cooperative Relay Networks with Network Coding and Asymmetric Traffic

Lin Shan, Kyoto University; Sonia Aissa, INRS, University of Quebec; Hidekazu Murata, Susumu Yoshida, Kyoto University

15329

65 Throughput and Delay Analysis of a QoS Differentiated p-persistent CSMA Protocol with Multirate

Salim Abukharis, Timothy O'Farrell, University of Sheffield

14707

66 Throughput Modeling of Differentiation Schemes for IEEE 802.11e MAC Protocol

Fei, University of British Columbia; Victor C. M. Leung, The University of British Columbia

21490

67 Voronoi-Based ISD and Site Density Characteristics for Mobile Networks

Anders Landström, Luleå University of Technology; Arne Simonsson, Ericsson Research; Håkan Jonsson, Luleå University of Technology

42649

68 Zero configuration adaptive paging (zCap)

Per Kreuger, Daniel Gillblad, Swedish Institute of Computer Science; Åke Arvidsson, Ericsson AB

VTC 2012 Fall Recent Results Papers

27394

1 A Compressed Analog Feedback Strategy for Spatially Correlated Massive MIMO Systems

Junho Lee, University of Science and Technology;
Seunghwan Lee, ETRI

10476

2 A Dynamic Joint Transmission Mode Selection Scheme for CoMP Systems

Seongho Nam, Korea Advanced Institute of Science and Technology (KAIST); Jinyoung Oh, KAIST; Youngnam Han, Korea Advanced Institute of Science and Technology

47034

3 A Generalized Analysis of Three-Dimensional Anisotropic Scattering in Mobile Wireless Channels-Part II: Second-Order Statistical Characterization

Petros Karadimas, Centre for Wireless Research

65938

4 A Geometrical-based Vertical Gain Correction for Signal Strength Prediction of Downtilted Base Station Antennas in Urban Areas

Ignacio Rodriguez, Huan Cong Nguyen, Troels B. Sørensen, Aalborg University; Jan Elling, Morten Gentsch, Mads Sørensen, Telenor Denmark; Lauri Kuru, Nokia Siemens Networks; P. E. Mogensen, Nokia Siemens Networks, Aalborg

15290

5 A low-complexity distributed Inter-Cell Interference Coordination (ICIC) Scheme for emerging multi-cell HetNets

Chrysovalantis Kosta, Bernard Hunt, Atta Quddus, Professor Rahim Tafazolli, University of Surrey

83794

6 A New Genetics-Aided Message Passing Decoding Algorithm for LDPC Codes

Jui-Hui Hung, Yi-De Lu, Sau-Gee Chen, National Chiao Tung University

51593

7 A Novel Opportunistic Scheduling Algorithm in Coordinated Multi-Point Transmission Scenario

Hao Wang, Southeast University & Uppsala University; Zhihang Li, Nan Liu, Pan Zhiwen, Xiaohu You, Southeast University

22167

8 A Statistical Model for Uplink Intercell Interference with Power Adaptation and Greedy Scheduling

Hina Tabassum, Ferkan Yilmaz, KAUST; Zaher Dawy, American University of Beirut; Mohamed-Slim Alouini, KAUST

30847

9 A Transmit Beamforming Algorithm for High-Speed Train Communication

Qinglin Luo, Alcatel-Lucent Shanghai Bell; Wei Fang, R&I, Alcatel-Lucent Shanghai Bell; Tao Yang, Alcatel Shanghai Bell; Dongyao Wang, Alcatel-Lucent Shanghai Bell

72151

10 Adjacent Vehicle Collision Avoidance Protocol in Mitigating the Probability of Adjacent Vehicle Collision

Muhammad Adeel, Sahibzada Ali Mahmud, Gul Muhammad Khan, University of Engineering and Technology Peshawar

47882

11 AHP-based Relay Selection Protocol for Flexible Resource Management

Inchul Yoo, KAIST; Yeejung Kim, LG Electronics; Jinyoung Oh, KAIST; Youngnam Han, Korea Advanced Institute of Science and Technology

42620

12 An Efficient Inter-cell Interference Coordination Scheme in Heterogeneous Cellular Networks

Yanlong Wang, Yongyu Chang, Dacheng Yang, Beijing University of Posts and Telecommunications

67706

13 An Efficient Method of constructing Quasi-Cyclic Low-Density Parity-Check Codes

Zhanji Wu, Jiao Cheng, Beijing University of Posts and Telecommunications

76863

14 An Efficient Spectrum Sensing Method Using Analog-to-Information Converter

Wei-Chieh Huang, ITRI, Taiwan; Chia-Lung Tsai, Industrial Technology Research Institute

92088

15 An Efficient Technique for OFDM Systems over Fading Channels Impaired by Impulsive Noise

Sabah Nayyef, A. Al-Dweik, Newcastle university; A. Hazmi, Tampere University; Bayan Sharif, University of Newcastle Upon Tyne; Charalampos C. Tsimenidis, Newcastle University

64259

16 An Interference Coordination Scheme for Device-to-Device Multicast in Cellular Networks

Wang Dongyu, Wang Xiaoxiang, Yuan Zhao, Beijing University of Posts and Telecommunications

75906

17 An Optimized Cooperative Transmission Scheme for Interference Mitigation in Heterogeneous Downlink Network

Kai Huang, Tsinghua University; Songtao Lu, Beihang University; Jingbo Guo, Tsinghua University

22595

18 Analysis of Vertical Sectorization for HSPA on a System Level Capacity and Coverage

Youqi Fu, Beijing University of Posts and Telecommunications; Jian Wang, Nokia Siemens Networks, Beijing, China; Zhuyan Zhao, Nokia Siemens Networks; Liyun Dai, Beijing University of Posts and Telecommunications; Hongwen yang, Beijing university of Posts and Tel.

27489

19 Analytical Performance Evaluation of an Efficient Reduced-Complexity Time Synchronization Approach for OFDM Systems

Leila Nasraoui, Sup'Com; Leila Najjar, Supcom school; Mohamed Siala, SUPCOM, Tunis, Tunisia

30247

20 AP Selection for Indoor Localization Based on Neighborhood Rough Sets

Yujia ZHU, Beijing University of Posts and Telecommunications; Zhongliang DENG, Beijing University of Posts and Telecommunications

33489

21 Backhaul Constraint-based Cooperative Transmission for Inbuilding Dense Femtocell Networks

Jiming Chen, Ranplan Wireless Network Design Ltd.

27018

22 BER Analysis with an Appropriate Friis Formula for Multi-hop ALOHA Dense Ad Hoc Networks

Pabblo C. Ghobad, University of Brasília (unB); Renato M. de Moraes, University of Brasília (UnB)

24208

23 Cars as Roadside Units: A Cooperative Solution

Wantanee Viriyasitavat, CMU; Ozan Tonguz, Carnegie Mellon University

64148

24 Clique-based Capacity Analysis of Wireless Ad-hoc Networks with Cooperative Relaying in Multi-flow Scenario

Salah Abdulhadi, Muhammad Jaseemuddin, Alagan Anpalagan, Ryerson University

45690

25 Comparison of Quasi-simultaneous Outdoor-to-Indoor Propagation Loss and Delay Dispersion Measurements at 150 MHz, 450 MHz, and 700 MHz

Robert Bultitude, Tyler Smith, Dino Cule, Hon Zhu, Communications Research Centre

16424

26 Computationally Efficient PAPR Reduction schemes in OFDM-Based Satellite Communication Systems

Emad Al-Dalakta, Charalampos C. Tsimenidis, Newcastle University; Bayan Sharif, University of Newcastle Upon Tyne; Dr Arafat Al-Dweik, Newcastle University

41904

27 Condition of Constant Frequency of RICIAN Channel Variation Achieved During Inter-Vehicular Communication

Muhammad Adeel, Sahibzada Ali Mahmud, Gul Muhammad Khan, University of Engineering and Technology Peshawar

46091

28 Cramer-Rao Lower Bounds for Hybrid Distance Estimation Schemes

Stephan Sand, Wei Wang, Armin Dammann, German Aerospace Center (DLR)

89754

29 Cross-Layer Handoff Design in Communication-Based Train Control (CBTC) Systems Using WLANs

Li Zhu, F. Richard Yu, Carleton University; Bing Ning, Beijing Jiaotong University; Tao Tang, Wang Hongwei, Beijing Jiaotong University

89130

30 DFT-OQAMA: An Alternative Multiple Access for Future Mobile Networks

Mohamed Gharba, Hao Lin, France Telecom; Pierre Siohan, France Telecom, Orange Labs; Fabrice Labeau, McGill University

89068

31 DownLink Resource Allocation for LTE-Advanced networks with Type1 Relay Nodes

Zhuyan Zhao, Nokia Siemens Networks; Bernhard Raaf, Nokia Siemens Networks GmbH & Co. KG; Wang Jian, Nokia Siemens Networks; Simone Redana, Nokia Siemens Networks GmbH & Co. KG

87370

32 Dual-Adaptive Linear Prediction for Radio Channel with Abrupt Change

Changwei LV, Shujuan Hou, Wenbo Mei, Beijing Institute of Technology

64460

33 Dynamic Load Balancing in 3GPP LTE Multi-Cell Fractional Frequency Reuse Networks

Zhihang Li, Southeast University; Hao Wang, Southeast University & Uppsala University; Pan Zhiwen, Nan Liu, Xiaohu You, Southeast University

91398

34 Dynamic Selection of Priority Queuing Discipline in Cognitive Radio Networks

Arash Azarfar, Polytechnique de Montreal; Jean-François Frigon, École Polytechnique de Montréal; Brunilde Sans' o, Ecole Polytechnique de Montreal

87727

35 Economical Comparison of Enterprise In-building Wireless Solutions using DAS and Femto

zhen Liu, Aalborg University; Troels E. Kolding, Nokia Siemens Networks; Preben E. Mogensen, Aalborg University; Benny Vejgaard, Nokia Siemens Networks; Troels B. Sørensen, Aalborg University

29613

36 Effects and Implications of Beacon Collisions in Co-located IEEE 802.15.4 Networks

Noorsalwati Nordin, Falko Dressler, University of Innsbruck

21484

37 Efficient Detection and Quantization Requirements for the Uplink of Base Station Cooperation Systems

Filipe Casal Ribeiro, ISCTE-IUL; Rui Dinis, IST, Tech. Univ. of Lisbon; Francisco Cercas, Instituto de Telecomunicações; Adão Silva, Instituto de Telecomunicações / University of Aveiro

53699

38 End-to-End Performance of Land Mobile Satellite System with Multi-Beam Interference

Fei Yang, Meiyu Huang, Sihai Zhang, Wuyang Zhou, University of Science and Technology of China

84764

39 Enhanced WCDMA Fingerprinting Localization Using OTDOA Positioning Measurements from LTE

Torbjörn Wigren, Ari Kangas, Ericsson AB; Ylva Jading, Iana Siomina, Claes Tidestav, Ericsson Research

32457

40 Estimation of Average Vehicle Speeds Traveling on Heterogeneous Lanes Using Bluetooth Sensors

Jorgos Zoto, Richard La, Masoud Hamedi, Ali Haghani, University of Maryland

51086

41 Evaluation of driver-related aspects of ACC and FCW usage

Mohamed Benmimoun, Institut für Kraftfahrzeuge, RWTH Aachen University (IKA)

54279

42 Experimental Verification of PER Performance of STBC-based Multi-hop Cooperative Relaying

Makoto Miyagoshi, Hidekazu Murata, Susumu Yoshida, Koji Yamamoto, Kyoto University; Daisuke Umehara, Kyoto Institute of Technology; Satoshi Denno, Okayama University; Masahiro Morikura, Graduate School of Informatics, Kyoto-University

32838

43 Field Experiments of Linearly Precoded Multi-User MIMO System at 5GHz Band

Masato Taniguchi, Hidekazu Murata, Susumu Yoshida, Koji Yamamoto, Kyoto University; Daisuke Umehara, Kyoto Institute of Technology; Satoshi Denno, Okayama University; Masahiro Morikura, Graduate School of Informatics, Kyoto-University

80350

44 Flexible Bandwidth Allocation Scheme based on Traffic Demands and Channel Conditions for Multi-beam Satellite Systems

Unhee Park, Hee Wook Kim, ETRI; Dae-Sub Oh, Electronics and Telecommunications Research Institute; Bonjun Gu, ETRI

36730

45 Give and Take: Characterization of Availability of Multi-State Wireless Backhaul Networks

VENMANI Daniel Philip, Yvon GOURHANT, Orange Labs, France Telecom R&D

35587

46 How Network Coding Benefits Converge-Cast in Wireless Sensor Networks

Zhenzhou Tang, Wenzhou University; Hongyu Wang, Dalian University of Technology; Qian Hu, Wenzhou University; Long Hai, Dalian University of Technology

48326

47 Hybrid Construction of Long LDPC Codes with Very Low Density

Lijun Zhang, Beijing Jiaotong University; Yanjing Zhang, Beijing Jiaotong Univ.; Cheng Lee Lung, City University of Hong Kong

13947

48 Interference Cancellation and Detection for X Channels with Precoding

Feng Li, University of California, Irvine

61128

49 Joint Relay and Receive Beamforming in Cognitive Relay Networks with Hybrid Relay Strategy

Tao Yi, Beijing University of Posts and Telecommunications; Li Guo, Beijing University of Posts Telecommunications

92626

50 Joint TX/RX IQ Mismatch Compensation Based on a Low-IF Internal Feedback Architecture

Chun-Hsien Peng, Paul Liang, Charles Chien, Bala Narasimhan, HC Hwang, Mediatek inc.

39159

51 Low Complexity Detectors for Cooperative Wireless Sensor Networks

Qasim Z. Ahmed, King Abdullah University of Science and Technology; Mohamed-Slim Alouini, KAUST; Sonia Aissa, INRS, University of Quebec

55551

52 Low-Complexity Spectral Precoding for Rectangularly Pulsed OFDM

Wei Jiang, HUAWEI Technologies; Zhao Zhao, University of Hanover

70660

53 LTE UE Power Consumption Model - For System Level Energy and Performance Optimization

Anders Riis Jensen, Mads Lauridsen, Preben E. Mogensen, Troels B. Sørensen, Aalborg University; Per Jensen, Agilent Technologies

70703

54 LTE Uplink CoMP Trial in a HetNet Deployment

Arne Simonsson, Ericsson Research; Tomas Andersson, Ericsson

66664

55 Mobile relay based fast handover scheme in high-speed mobile environment

Qing Huang, Jianmei Zhou, Cheng Tao, Beijing Jiaotong University; Su Yi, NEC Laboratories, China; Ming Lei, NEC laboratories, China

44188

56 Modified Tomlinson-Harashima Precoding for Downlink MU-MIMO Channel with Arbitrary Precoder

Hamid Farmanbar, Huawei Technologies. Co., Ltd.; Hadi Baligh, Huawei

74557

57 Movement Direction Based Path Selection Strategy in Converged Cellular and Wireless Sensor Networks

Qujingfeng, University of Tongji; Zhenhong Li, Wang Haifeng, Renesas Mobile Corporation

20980

58 Multi-Layer Mobility Load Balancing in a Heterogeneous LTE Network

Panagiotis Fotiadis, Michele Polignano, Aalborg University; Daniela Laselva, Benny Vejlgaard, Nokia Siemens Networks; P. E. Mogensen, Nokia Siemens Networks, Aalborg; Ralf Irmer, Neil Scully, Vodafone

37636

59 Multitone Jamming Rejection of Frequency Hopped OFDM Systems in Wireless Channels

A. Al-Dweik, Newcastle university; Abdallah Shami, University of Western Ontario

42278

60 Non-Line-Of-Sight 2.6 GHz Relay Backhaul

Channel Performance: Field Test and Analysis

Yu Qian, Henrik Asplund, Ericsson Research; Jan-Erik Berg, Ericsson AB; Guo Zhiheng, Ericsson

83752

61 On the Capacity Gap of Gaussian Multi-Way Relay Channels

Moslem Noori, Masoud Ardakani, University of Alberta

35058

62 Optimal Configuration of Fractional Frequency Reuse System for LTE Cellular Networks

Muhieddin Amer, Rochester Institute of Technology

63262

63 Optimal Power Allocation for MN-ary Pulse Position Amplitude Modulation

Wei-Chieh Huang, ITRI, Taiwan; Chia-Lung Tsai, Industrial Technology Research Institute

42129

64 Optimization of Energy Efficiency for OFDMA Femtocell Networks based on Effective Capacity

Zhenglei Huang, Hailun Xia, Zhimin Zeng, Beijing University of Posts and Telecommunications; Yinlong Liu, Institute of Acoustics, Chinese Academy of Sciences

33770

65 Outage Constrained Power Allocation and Relay Selection for Multi-Hop Cognitive Network

Ying Wang, FENG Zhiyong, Xin Chen, Rong li, Zhang Ping, Beijing University of Posts and Telecommunications

97949

66 Partitioned Vector Quantization for MU-MIMO Downlink Broadcasting

Mirza Golam Kibria, Hidekazu Murata, Susumu Yoshida, Koji Yamamoto, Kyoto University; Daisuke Umehara, Kyoto Institute of Technology; Satoshi Denno, Okayama University; Masahiro Morikura, Graduate School of Informatics, Kyoto-University

69046

67 Performance Analysis of Distributed Beamforming in a Spectrum Sharing System

Liang Yang, Jinan University; Mohamed-Slim Alouini, KAUST; Khalid Qaraqe, Texas A&M University at Qatar

74763

68 Performance Evaluation of DFT-Spread OFDM and DCT-Spread OFDM for Underwater Acoustic Communications

Preetam Kumar, Indian Institute of Technology, Patna; Prashant Kumar, Indian Institute of Technology Patna

24544

69 Pilot Aided Channel Estimation for a 2nd MIMO DVB-T2 system in High Speed Mobile Environment

Nico Surantha, Tatsumi Uwai, Yuhei Nagao, Masayuki Kurosaki, Baiko Sai, Hiroshi Ochi, Kyushu Institute of Technology

71390

70 Power Efficient Pilot Symbol Power Allocation under Time-variant Channels

Michal Simko, Vienna University of Technology; Paulo Sergio Ramirez Diniz, Federal University of Rio de Janeiro; Qi Wang, Markus Rupp, Vienna University of Technology

74633

71 Priority Management at Intersections Using Self-organized Traffic Control

Wantanee Viriyasitavat, CMU; Ozan Tonguz, Carnegie Mellon University

36629

72 Proportional Fair Scheduling for Single-Carrier FDMA in LTE Uplink System

Jeongchan Kim, University of KAIST; Donggeun Kim, Pantech co.,ltd; Youngnam Han, Korea Advanced Institute of Science and Technology

92185

73 Quarter-Omni: Improving Coverage and Throughput through Partial Directional Communication in IEEE 802.11p WAVE

Sunghoon Lim, Hyogon Kim, Korea University

50734

74 Reliable Data Aided Sparsity-Aware Approaches for Clipping Noise Estimation in OFDM

Junho Lee, University of Science and Technology; Seunghwan Lee, ETRI

19579

75 Request-adaptive Packet Dissemination for Context-aware Services in Vehicular Networks

Kaveh Shafiee, University of British Columbia; Victor C. M. Leung, The University of British Columbia; Raja Sengupta, University of California - Berkeley

26724

76 Resource Allocation between Feedback and Forward MIMO Links and Energy Consumption

Daniel Sacristán-Murga, CTTC; Antonio Pascual Iserte, Universitat Politècnica de Catalunya; Víctor P. Gil Jiménez, Universidad Carlos III de Madrid

78071

77 Resource Allocation for Opportunistic Spectrum Sharing Based on Cooperative OFDM Relaying

Weidang Lu, Harbin Institute of Technology; Yi Gong, Nanyang Technological University; Wu Xuanli, Harbin Institute of Technology; Han Qing Li, Harbin Institute of Technology, Harbin, China; Naitong Zhang, Harbin Institute of Technology

31421

78 RF-based Traffic Detection and Identification

Amal Al-Husseiny, Egypt Japan University for Science and Technology (E-JUST); Moustafa Youssef, University of Maryland

68760

79 Secured VPN Models for LTE Backhaul Networks

Madhusanka Liyanage, Andrei Gurtov, University of Oulu

56540

80 Spectrum Sensing for DVB-T Signals Employing Pilot Tones

Ronghong Mo, Ser Wah Oh, Institute for Infocomm Research; Bo Wang, Institutue of infocomm Research

79290

81 SPIN-based Verification of Authentication Protocols in WiMAX Networks

Beth Komu, Mjumo Mzyece, Karim Djouani, Tshwane University of Technology

98617

82 Step reduced K-best sphere decoding

Xinyu Mao, Yuxin Cheng, Haige Xiang, Peking University

20819

83 Study On The Uplink Sum Capacity of Single Cell Cellular Systems With Minimum SINR Constraint

Qiuping Huang, Beijing University of Posts and Telecommunications; Xiaofeng Liu, China Academy of Telecommunications Research, MITT; Hongwen yang, Beijing university of Posts and Tel.

49206

84 Studying the Impact of the CORNER Propagation Model on VANET Routing in Urban Environments

Abhinay Mukunthan, Craig Cooper, F. Safaei, University of Wollongong; Dr. Daniel Franklin, Mehran Abolhasan, University of Technology Sydney

98543

85 SWITCH: A Multichannel MAC protocol for Cognitive Radio Ad Hoc Network

Mohamed Abd rabou Ahmed Kalil, Ilmenau University of Technology

29287

86 The Evaluation of CQI Delay Compensation Schemes Based on Jakes' Model and ITU Scenarios

Huiling Dai, Ying Wang, Cong Shi, Weidong Zhang, Beijing University of Posts and Telecommunications

60360

87 The performance of Simulated Annealing Algorithms for Wi-Fi Localization using Google Indoor Map

Xin Zheng, Guanqun Bao, Ruijun Fu, Kaveh Pahlavan, Worcester Polytechnic Institute

12362

88 Throughput maximization for a wireless energy harvesting node considering the circuitry power consumption

Maria Gregori, Miquel Payaro, CTTC

98274

89 Traffic Split Scheme Based on Common Radio Resource Management in an Integrated LTE and HSDPA Networks

Ruiming Yang, Beijing University of Posts & Telecommunications; Yongyu Chang, Dacheng Yang, Beijing University of Posts and Telecommunications

67994

90 Training Sequence Design for Channel Estimation with Nonlinear OQPSK-Type Modulations

Rui Rodrigues, Instituto de Telecomunicações; Rui Dinis, Universidade Nova de Lisboa; Francisco Cercas, Instituto de Telecomunicações

29533

91 Using of beaconing for robust video transmission in overtaking assistance applications

Alexey Vinel, Evgeny Belyaev, Tampere University of Technology; Dr. Yevgeni Koucheryavy, Tampere University of Technology, Finland

21154

92 Vertical antenna pattern optimization for WCDMA Macro cells

Alexandr M. Kuzminskiy, Jun Yang, Alcatel-Lucent