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Program

Wednesday, October 19

P1: Poster Session 1

High-Speed Single-Frequency Network for HSDPA

Vesa Hytönen (University of Jyväskylä & Faculty of Information Technology, Finland); Oleksandr Puchko (University of Jyväskylä, Finland); Thomas Höhne (Nokia Siemens Networks, Finland); Thomas Chapman (Roke Manor Research Ltd, United Kingdom)

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Investigation of Spectrally Efficient Transmission for Differently Modulated Optical Signals in Mixed Data Rates WDM Systems

Aleksejs Udalcovs (Riga Technical University, Latvia); Vjaceslavs Bobrovs (Riga Technical University, Latvia)

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Performance study of Node Placement for Geographic Routing in WSNs

Ana-Maria Popescu (University of Leeds, United Kingdom); Gabriel Tudorache (University of Leeds, United Kingdom); Andrew H. Kemp (University of Leeds, United Kingdom)

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Nonlinear Distributed Sensing for Closed-loop Control Over Gaussian Channels

Mattias Andersson (Royal Institute of Technology, Sweden); Ali Abbas Zaidi (Royal Institute of Technology (KTH), Sweden); Niklas Wernersson (Ericsson Research, Sweden); Mikael Skoglund (KTH Royal Institute of Technology, Sweden)

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O1: Oral Session 1

Capacity of the Channel With Action-dependent State and Reversible Input

Kittipong Kittichokechai (Royal Institute of Technology, Sweden); Tobias J. Oechtering (KTH Royal Institute of Technology & School of Electrical Engineering, EE, Sweden); Mikael Skoglund (KTH Royal Institute of Technology, Sweden)

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Extending the Reach of DWDM-PON Access Network Using Chromatic Dispersion Compensation

Sandis Spolitis (Riga Technical University, Latvia); Ģirts Ivanovs (Riga Technical University, Latvia)

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Implementation of LTE SC-FDMA on the USRP2 Software Defined Radio Platform

Peter Jørgensen (Aalborg University, Denmark); Thomas L Hansen (Aalborg University, Denmark); Troels B. Sørensen (Aalborg University, Denmark); Gilberto Berardinelli (Aalborg University, Denmark)
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Uplink Performance Analysis of Multicell MU-MIMO with Zero-Forcing Receivers and Perfect CSI

Hien Quoc Ngo (Linköping University, Sweden); Trung Q. Duong (Blekinge Institute of Technology, Sweden); Erik G. Larsson (Linköping University, Sweden)
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Thursday, October 20

KN1: Keynote Address 1

P2: Poster Session 2

Outage Probability and Ergodic Capacity for MIMO-MRT Systems under Co-Channel Interference and Imperfect CSI

Thi My Chinh Chu (Blekinge Institute of Technology, Sweden); Trung Q. Duong (Blekinge Institute of Technology, Sweden); Hans-Juergen Zepernick (Blekinge Institute of Technology, Sweden)
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A Constrained Optimization Approach to Nonlinear Interference Cancellation

Lars K. Rasmussen (KTH Royal Institute of Technology, Sweden)
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Nonlinear Transmission Strategies for a General Half-duplex AWGN Relay Channel

Ali Abbas Zaidi (Royal Institute of Technology (KTH), Sweden); Majid Nasiri Khormuji (Royal Institute of Technology (KTH), Sweden); Mikael Skoglund (KTH Royal Institute of Technology, Sweden)
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O2: Oral Session 2

An All-Photonic Digital Radio Over Fiber Architecture

Seyed Reza Abdollahi (Brunel University, United Kingdom)
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Performance Analysis of Space-Time Block Codes over Generalized-K Fading MIMO Channels

Michail Matthaiou (Chalmers University of Technology, Sweden); Nestor Chatzidiamantis (Aristotle University Thessaloniki, Greece); Himal A Suraweera (Singapore University of Technology and Design, Singapore); George K. Karagiannidis (Aristotle University of Thessaloniki, Greece)
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Optimal Resource Allocation for IR-HARQ

Tumula V. K. Chaitanya (Linköping University, Sweden); Erik G. Larsson (Linköping University, Sweden)
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Convergence of the Iterative Water-Filling Algorithm in Multiple User Spectrum Sharing Scenarios

Bhavani Shankar Mysore Rama Rao (Interdisciplinary Centre for Security, Reliability and Trust & University of Luxembourg, Luxembourg); Peter von Wrycza (Ericsson, Sweden); Mats Bengtsson (Royal Institute of Technology, Sweden); Björn Ottersten (KTH Royal Institute of Technology, Sweden)
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O3: Oral Session 3

Market-based Spectrum Sharing in Capacity-limited Heterogeneous Wireless Networks

Saltanat M. Khamit (Royal Institute of Technology (KTH), Sweden)
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Enhanced LMMSE Equalizer for High-Speed Single Frequency Network in HSDPA

Oleksandr Puchko (University of Jyväskylä, Finland); Mikhail Zolotukhin (University of Jyväskylä, Finland); Vesa Hytönen (University of Jyväskylä & Faculty of Information Technology, Finland); Thomas Höhne (Nokia Siemens Networks, Finland); Thomas Chapman (Roke Manor Research Ltd, United Kingdom)
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A New Bandwidth Allocation Scheme for Dual-Hop Transmission Using Virtual Oligopoly Market Model and Cournot Competition

Babak Nikfar (University of Kiel, Germany); Setareh Maghsudi (Technische Universität Berlin, Germany)
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Receive Combining vs. Multistream Multiplexing in Multiuser MIMO Systems

Emil Björnson (KTH Royal Institute of Technology, Sweden); Mats Bengtsson (Royal Institute of Technology, Sweden); Björn Ottersten (KTH Royal Institute of Technology, Sweden)
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KN2: Keynote Address 2

Distinguished Speaker (Ericsson)

P3: Poster Session 3

On the performance of SVM based Jamming Attacks Detection Algorithm in Base Station

Javad Afshar Jahanshahi (Shahid Beheshti University, Iran); Mohammad Eslami (Shahid Beheshti University, Iran)
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Look Ahead Parallel Pursuit

Dennis Sundman (KTH - Royal Institute of Technology, Sweden); Saikat Chatterjee (KTH - Royal Institute of Technology & Communication Theory Lab, Sweden); Mikael Skoglund (KTH Royal Institute of Technology, Sweden)
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Blind Source Separation for OFDM with Filtering Colored Noise Out

Samantha Sriyananda (University of Jyväskylä, Finland); Jyrki Joutsensalo (University of Jyväskylä, Finland); Timo Hämäläinen (University of Jyväskylä, Finland)
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Evaluation of VoIP Media Security for Smartphones in the context of IMS

Prajwol Nakarmi (Ericsson AB, Sweden); John Mattsson (Ericsson Research, Sweden); Gerald (Chip) Maguire (Royal Institute of Technology (KTH), Sweden)
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