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Program

Welcome/ Opening address

WS02S01: Keynote Speech

Session 1

Optical Wireless Communications - An Emerging Technology (Invited)

Zabih Ghassemlooy (Northumbria University, United Kingdom)

Subcarrier Intensity Modulated Optical Communications in Strong Atmospheric Turbulence

Xuegui Song (University of British Columbia, Canada); Julian Cheng (University of British Columbia, Canada)
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Keynote: Line Up For the GREEN Land

Dr. Chih-Lin I

Networking Break

TS1: Green Cellular Network

Overview of Green Radio Research Outcomes

John Thompson (University of Edinburgh, United Kingdom); Chadi Khirallah (The University of Edinburgh, United Kingdom)
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Fundamental Tradeoffs and Evaluation Methodology for Future Green Wireless Networks

Gaoning He (Huawei Technologies, P.R. China); Shunqing Zhang (Huawei Technologies, Co. Ltd., P.R. China); Yan Chen (Huawei, P.R. China); Shugong Xu (Huawei, P.R. China)
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Integrated Cross-Layer Energy Savings in a Smart and Flexible Cellular Network

Weisi Guo (University of Sheffield & University of Cambridge, United Kingdom); Siyi Wang (The University of Sheffield, United Kingdom); Charles Turyagyenda (University of Glamorgan, United Kingdom); Timothy O'Farrell (University of Sheffield, United Kingdom)
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Network Energy Efficiency for Deployment Architectures with Base Station Site Model

Chih-Hsuan Tang (Chunghwa Telecom, Taiwan); Chi-En Wu (Chunghwa Telecom, Taiwan); Chin-Wei Lin (Chunghwa Telecom, Taiwan); Chen-Yin Liao (Chunghwa Telecom Co., Ltd., Taiwan)

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On the Energy-Bandwidth Trade-off in Green Wireless Networks: System Level Results

Muhammad Majid Butt (University of Luxembourg, Luxembourg); Benjamin Schubert (Fraunhofer Heinrich Hertz Institute, Germany); Martin Kurras (Fraunhofer Heinrich Hertz Institute, Germany); Kai Börner (Fraunhofer Heinrich Hertz Institute, Germany); Thomas Haustein (Fraunhofer Institute for Telecommunications, Heinrich-Hertz-Institut, Germany); Lars Thiele (Fraunhofer Heinrich Hertz Institute, Germany)

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Session 2

Experimental Demonstration of Polarisation Shift Keying in the Free Space Optical Turbulence Channel

Xuan Tang (Northumbria University, United Kingdom); Zabih Ghassemlooy (Northumbria University, United Kingdom); Sujan Rajbhandari (Northumbria University, United Kingdom); Wasiu O. Popoola (The University of Edinburgh, United Kingdom); Murat Uysal (Ozyegin University, Turkey); Dehao Wu (Northumbria University & OCRG Research Group, United Kingdom)

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The color shift key modulation with non-uniform signaling for visible light communication

Bo Bai (Northwestern Polytechnical University, P.R. China); Qunfeng He (University of California, Riverside, USA); Zhengyuan Xu (Tsinghua University, P.R. China); Yangyu Fan (Northwestern Polytechnical University, P.R. China)

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Optimisation of Lambertian Order for Indoor Non-directed Optical Wireless Communication

Dehao Wu (Northumbria University & OCRG Research Group, United Kingdom); Zabih Ghassemlooy (Northumbria University, United Kingdom); Hoa Le Minh (Northumbria University, United Kingdom); Sujan Rajbhandari (Northumbria University, United Kingdom); Mohammad-Ali Khalighi (Ecole Centrale Marseille, France); Xuan Tang (Northumbria University, United Kingdom)

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WS02S02: Presentation

Appification of Web Applications: Architectural Aspects

Balwinder Sodhi (IIT Kanpur, India); Ashish Agrawal (IIT Kanpur, India); T. V. Prabhakar (IIT Kanpur, India)

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MOMCC:Market-Oriented Architecture for Mobile Cloud Computing Based on Service Oriented Architecture

Saeid Abolfazli (University of Malaya, Malaysia); Zohreh Sanaei (University of Malaya, Malaysia); Muhammad Shiraz (University of Malaya, Kuala Lumpur)

Malaysia & Federal Urdu University of Arts, Sciences and Technology Islamabad Pakistan, Pakistan); Abdullah Gani (University of Malaya, Malaysia)
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SAMI: Service-Based Arbitrated Multi-Tier Infrastructure for Mobile Cloud Computing

Zohreh Sanaei (University of Malaya, Malaysia); Saeid Abolfazli (University of Malaya, Malaysia); Abdullah Gani (University of Malaya, Malaysia); Muhammad Shiraz (University of Malaya, Kuala Lumpur Malaysia & Federal Urdu University of Arts, Sciences and Technology Islamabad Pakistan, Pakistan)
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Beyond the Client-Server Architectures: A Survey of Mobile Cloud Techniques

Dejan Kovachev (RWTH Aachen University, Germany); Ralf Klammer (RWTH Aachen University, Germany)
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Keynote: Towards a Green Internet

Prof. Rod Tucker

Lunch Break

Keynote: A Novel Hyper-Cellular Architecture for Globally Resource-optimized and Energy-Efficient Networks (GREEN)

Prof. Zhisheng Niu

Session 3

Optical Wireless Communications Using the Visible Spectrum (Invited)

Thomas DC Little (Boston University & NSF Smart Lighting ERC, USA)

Simplified calculation method of indoor optical impulse response based on recursive algorithm

Fang Li (Shanghai JiaoTong University, P.R. China); Xinwan Li (Shanghai Jiao Tong University, P.R. China); Weiwen Zou (State Key Laboratory of Advanced Optical Communication Systems and Networks, P.R. China); Jianping Chen (Shanghai Jiao Tong University, P.R. China)
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Networking Break

TS2: Energy Efficiency in Wireless Systems

Performance Analysis of Multiuser Uplink Amplify-and-Forward Relay Networks with Fixed-gain Relaying

Guangping Li (Guangdong University of Technology, P.R. China); Steven D Blostein (Queen's University, Canada); Guangchi Zhang (Guangdong University of

Technology, P.R. China); Jiuchao Feng (South China University of Technology, P.R. China)
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A Resource Configuration Scheme in OFDMA-based Cellular Relay Networks

Hua Chen (Beijing University of Posts and Telecommunications, P.R. China); Mugen Peng (Beijing University of Posts & Telecommunications, P.R. China); Jiamo Jiang (Beijing University of Posts and Telecommunications, P.R. China)
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Optimizing Dual-Hop Systems under Orthogonal Transmission and Relay Selection Schemes

Guftaar Ahmad Sardar Sidhu (Jacobs University Bremen, Germany); Jianfeng Wang (Huaxin Consulting Co., Ltd, P.R. China); Feifei Gao (Tsinghua University, P.R. China); Lisheng Fan (Shantou University, P.R. China)
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Radio Resource Allocation for OSC Downlink Channels

Michael A. Ruder (University of Erlangen-Nürnberg, Germany); Raimund Meyer (Com-Research GmbH, Germany); Hans Kalveram (Com-Research GmbH, Germany); Wolfgang Gerstacker (University of Erlangen-Nürnberg, Germany)
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Spatial-Temporal Compressed Sensing Based Traffic Prediction in Cellular Networks

Qian Wen (Zhejiang University, P.R. China); Zhifeng Zhao (Zhejiang University, P.R. China); Rongpeng Li (Zhejiang University, P.R. China); Honggang Zhang (Zhejiang University, P.R. China)
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Session 4

Configuring Indoor Visible Light Communication Networks

Jinguo Quan (Harbin Institute of Technology, P.R. China); Yiyang Li (University of California, Riverside, USA); Yan Zhang (Harbin Institute of Technology, P.R. China)
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Fundamental Analysis for Indoor Visible Light Positioning System

Penghua Lou (Tsinghua University, P.R. China); Hongming Zhang (EE Department, Tsinghua University, P.R. China); Xie Zhang (Tsinghua University, P.R. China); Minyu Yao (EE Department, Tsinghua University, P.R. China); Zhengyuan Xu (Tsinghua University, P.R. China)
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New Time Diversity Structure Used in Free Space Optics Links with a Tracking system

Peng Liu (North China Electric Power University, P.R. China); Song Liu (North China Electric Power University & Waseda University, P.R. China); XueYing Wu (WASEDA University, Japan)
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Panel: 5G, think it green, and make it real