

# Communications and Networks

PRESENTATION/SESSION 1

May 13, 2015, Wednesday

11:00 AM-1:00 PM

Track 1

E3-06-10

**Hao Chenglong**

Heart Rate and Breathing Rate Detection for Smart Cushion

**Wang Qian**

Simple, Unified and Accurate Prediction of Error Probability for Higher-Order MPSK/MDPSK with Phase Noise in Optical Communications

**Dong Bo**

High Sensitivity Fiber Bragg Grating Security Fence for Perimeter Intrusion Detection

**Jia Chenlong**

Resource Partitioning and User Association with Sleep-Mode Base Stations in Heterogeneous Cellular Networks

**Utku Tefek**

Primary and Secondary Exclusion Zones in Cognitive Radio Networks: Performance Analysis and System Design

**Bhat Rajshekhar Vishweshwar**

Dual-Path Energy Harvesting in a Transmitter with Battery Discharge Constraints

PRESENTATION/SESSION 3

May 14, 2015, Thursday

11:00 AM-1:00 PM

Track 1

E3-06-10

**Gao Rui**

Managing Correlated Information for Distributed Localization of a Team of Cooperative AUVs

**Purnima Murali Mohan**

Towards Fast Failure Recovery in Software Defined Networks

**Yinghao Guo**

Optimal Memory Allocation and File Deployment for Local Caching with Social Network Information

**Zhou Xun**

Wireless Power Meets Energy Harvesting: A Joint Energy Allocation Approach

**Luo Shixin**

Capacity Region of MISO Broadcast Channel with SWIPT

**Lee Seunghyun**

Collaborative Wireless Energy and Information Transfer in Interference Channel

# Communications and Networks

POSTER/SESSION 1  
LT2 Area

May 13, 2015, Wednesday  
10:00-11:00 AM

**Dong Bo**

Long Distance Fiber Fabry–Perot Sensor System with the Second-order Raman Pump and Amplification

**Hu Qikai**

50-km Transmission of 10-Gb/s Spectrum-Sliced Incoherent Light Signals Using Electronic Dispersion Compensation

**V Prasad Anjani**

Scheduling Algorithm with Transmission Power Control for Random Underwater Acoustic Networks

**Wang Qian**

Symbol Error Probability for Rotated 8-Star QAM with Circular Decision Boundaries in Strong Laser Phase Noise

**Yinghao Guo**

Optimal Pricing and Load Sharing for Energy Saving with Communications Cooperation

**Zhou Jingjing**

1.5- $\mu\text{m}$ , 21.4-Gbps 4-PAM VCSEL Link for Optical Access Applications

POSTER/SESSION 2  
LT2 Area

May 14, 2015, Thursday  
10:00-11:00 AM

**Vinay Chamola**

Outage Estimation for Solar Powered Cellular Base Stations