

IEEE CoCoNet Workshop 2009 , 14<sup>th</sup> June  
**Cooperative Wireless Networks**  
collocated with IEEE ICC 2009 Dresden, Germany

CoCoNet Program

9.00 – 9.30 Welcome to CoCoNet

9.30– 10.30 Keynote: Exploiting Interference through Cooperation and Cognition by Ivana Maric from Stanford, USA

10.30 – 10.50 Coffee Break

10.50 – 12.20 Session 1 5paper

12.20– 14.00 Lunch

14.00-15.30 Session 2 5 paper

15.30 – 16.00 Coffee Break

16.00-16.30 Session 3 2 paper

16.30– 17.30 Panel:

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**Session 1: 10.50-12.20**

- **On Radio Resource Allocation in Proactive Cooperative Relaying** *Nikolaj Marchenko (Klagenfurt University, AT); Christian Bettstetter (University of Klagenfurt, AT); Evsen Yanmaz (Los Alamos National Laboratory, US)*
- **Performance Analysis and Resource Allocation in CDMA Cellular Networks with Relay Stations** *Federico Librino (University of Padova, IT); Marco Levorato (University of Padova, IT); Michele Zorzi (Università degli Studi di Padova, IT)*
- **Routing Algorithm Limiting Next Hop Selection Distance in Multi Hop Ad Hoc Networks** *Wu YongShou (Hanyang University, KR)*
- **Cooperative Multiaccess for Wireless Metropolitan Area Networks: An Information-centric Approach** *Kostas Pentikousis (VTT Technical Research Centre of Finland, FI); Frerk Fitzek (Hamburg University of Technology, DE); Olli Mammela (VTT Technical Research Centre of Finland, FI)*
- **Network Coding for Mobile Devices - Systematic Binary Random Rateless Codes** *Janus Heide (Aalborg University, DK); Morten Pedersen (Aalborg University, DK); Frank Fitzek (Aalborg University, DK); Torben Larsen (Aalborg University, DK)*

**Session 2: 14.00-15.30**

- **An Optimal Transmit Power Allocation for the Two-Way Relay Channel Using Physical-Layer Network Coding** *Wonjae Shin (Samsung Advanced Institute of Technology (SAIT), KR); Namyoon Lee (Samsung Electronics Co., Ltd., KR); Jong Bu Lim (Samsung Electronics Co., Ltd., KR); Changyong Shin (Samsung Advanced Institute of Technology, KR)*
- **Reactive Robust Routing with Opportunistic Large Arrays** *Lakshmi Thanayankizil (Georgia Institute of Technology, US); Mary Ingram (Georgia Institute of Technology, US)*
- **Ergodic and Outage Capacity Analysis of Cooperative Diversity Systems under Rayleigh Fading Channels** *Shuping Chen (Beijing University of Posts and Telecommunications, CN)*
- **Performance Analysis of Incremental Selection Decode-and-Forward Relaying over Rayleigh Fading Channels** *Bao Vo Nguyen (University of Ulsan, KR)*
- **Guided Incentive Mechanisms for Relays to Extend the Wireless Coverage** *Karim Seada (Nokia Research Center, US)*

**Session 3: 16.00-16.30**

- **Combining for cooperative WLANs -- A reality check based on prototype measurements** *Stefan Valentin (University of Paderborn, DE); Dereje H. Woldegebreal (University of Paderborn, DE); Tobias Volkhausen (University of Paderborn, DE); Holger Karl (University of Paderborn, DE)*
- **Avoiding redundant channel blocking in cooperative multi-channel MAC protocols through virtual topology inferencing** *Stepan Ivanov (Waterford Institute of Technology, IE); Sasitharan Balasubramaniam (TSSG, Waterford Institute of Technology, IE); Dimitri Botvich (Waterford Institute of Technology, IE)*

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