



Technical Program

8:30 - WELCOME from TPC co-Chairs

Eiko Yoneki (University of Cambridge)

Robin Hillary Kravets (University of Illinois, Urbana-Champaign)

8:50 - 9:50 KEYNOTE

A Random Walk on Challenged Networks by Dr. Pan Hui (Telekom Innovation Laboratories)

Technical Sessions:

10:00 - 11:00 - SESSION 1. Managing Disruption, Disconnectivity and Delay

Session Chair: Eiko Yoneki (University of Cambridge)

(2 x 25 mn/talk)

Time-Reference Distribution in Delay Tolerant Networks

Johannes Morgenroth and Lars Wolf (IBR, TU Braunschweig)

Free-Riding the BitTorrent DHT to Improve DTN Connectivity

Sebastian Schildt, Till Lorentzen, Johannes Morgenroth, Wolf-Bastian Pottner, and Lars Wolf (TU Braunschweig)

11:00 - 11:30 - COFFEE BREAK

11:30 - 13:00: SESSION 2. Being Opportunistic

Session Chair: Robin Hillary Kravets (University of Illinois, Urbana-Champaign)

(3 x 25 mn/talk, 1 x 15 mn/talk)

MADServer: An Architecture for Opportunistic Mobile Advanced Delivery

Agoston Petz (The University of Texas at Austin), Anders Lindgren (Swedish Institute of Computer Science), Pan Hui (Deutsche Telekom Labs), and Christine Julien (The University of Texas at Austin)

Loading Zones: Leveraging Street Parking to Enable Vehicular Internet Access

Riccardo Crepaldi, Ryan Beavers, Braden Ehrat, Jason Sze, Matt Jaeger, Steven Biersteker, and Robin Kravets (University of Illinois)

Enabling Ad-hoc-Style Communication in Public WLAN Hot-Spots

Teemu Karkkainen, Mikko Pitkanen, and Joerg Ott (Aalto University)

Performance Evaluation of DTN Implementations on a Large-scale Network Emulation Testbed (Short Paper)

Razvan Beuran and Shinsuke Miwa (National Institute of Information and Communications Technology) and Yoichi Shinoda (Japan Advanced Institute of Science and Technology)

13:00 - 14:30 - LUNCH

14:30 - 15:20 - SESSION 3. Space and Null Space

Session Chair: Anders Lindgren (SICS)

(2 x 25 mn/talk)

A Secure Content Network in Space

Craig Partridge, Robert Walsh, Matthew Gillen, Greg Lauer, John Lowry, W. Timothy Strayer, Derrick Kong, David Levin, and Joe Loyall (Raytheon BBN Technologies) and Michael Paulitsch (EADS)
Nullspace-based Stopping Conditions for Network-Coded Transmissions in DTNs
Angela Hennessy (The Laboratory for Telecommunications Sciences), Alex Gladd (BBN Technologies), and Brenton Walker (The Laboratory for Telecommunications Sciences)

15:20 - 16:30 - DEMO and POSTER SESSION

1 minute of elevator pitch on each Demo/Poster

(16:00 - 16:30 - COFFEE BREAK)

16:30 - 17:25 - SESSION 4. Evaluating It All

Session Chair: Milena Radenkovic (University of Nottingham)
(1 x 25mn/talk + 2 x 15 mn/talk)

An Analysis of Evaluation Practices for DTN Routing Protocols

Samo Grasic (Lulea University of Technology) and Anders Lindgren (SICS)

Flow Control Mechanisms for the Bundle Protocol in IEEE 802.15.4 Low-power Networks (Short Paper)

Wolf-Bastian Pottner and Lars C. Wolf (IBR, TU Braunschweig)

Adaptive Usage of Cellular and WiFi Bandwidth: An Optimal Scheduling Formulation (Short Paper)

Ozlem Bilgir Yetim and Margaret Martonosi (Princeton University)

17:30-17:50 - Best Paper Award Announcement!

Discussion and Closing

DEMOS

Pocket Backup Storage System with Cloud

Karthik Nilakant and Eiko Yoneki (University of Cambridge)

A Performance Comparison of DTN Bundle Protocol Implementations on Resource Constrained Nodes

Gleneesha M. Johnson Williams, Angela Hennessy, and Brenton Walker (LTS)

Adaptive User Anonymity for Mobile Opportunistic Networks

Milena Radenkovic (University of Nottingham) and Ivan Vaghi (Early Morning)

SCAMPI Application Platform

Teemu Karkkainen and Mikko Pitkanen (Aalto University), Paul Houghton (Futurice), and Joerg Ott (Aalto University)

Is It Worth Taking A Planned Approach To Design Ad Hoc Infrastructure For Post Disaster Communication?

Sujoy Saha, V. K. Shah, and Rohit Verma (National Institute of Technology Durgapur,India), Ratna Mandal (west Bengal University of Technology,India), and Subrata Nandi (National Institute of Technology Durgapur,India)

POSTERS

Supporting Sensing Application in Vehicular Networks

Mohammad Nozari Zarmehri and Ana Aguiar (Faculty of Engineering of University of Porto, Institute of Telecommunications)

Rethinking Routing Information in Mobile Social Networks: Location-based or Social-based?

Konglin Zhu (University of Goettingen), Wenzhong Li (Nanjing University), and Xiaoming Fu (University of Goettingen)

Adaptive User Anonymity for Mobile Social Networks

Milena Radenkovic (University of Nottingham) and Ivan Vaghi (Early Morning)

A Comparative Analysis of Practical Bloom Filter Based Epidemic Forwarding in DTNs

Mahdi Faghieh Imani (Department of Computer Engineering, Science and Research Branch, Islamic Azad University, Young Researchers Club, Tehran, Iran), Ali Marandi (Department of Computer Engineering, Khorasgan (Isfahan) Branch, Islamic Azad University, Young Researchers Club, Isfahan, Iran), and Kave Salamatian (Listic-Universite de Savoie)