**The First International Workshop on
Mobile Opportunistic Networking
11 June 2007, Puerto Rico, USA
http://cnd.iit.cnr.it/mobiopp07**

**in conjunction with ACM MobiSys 2007
11 – 14 June 2007, Puerto Rico, USA**

Sponsored by

ACM SIGMOBILE   **IIT-CNR**

Technical Program

8:20 – 8:30   Welcome

8:30 – 9:15   Keynote Speech

Data Mules for Developing Regions

Gaetano Borriello
Jerre D. Noe Professor, University of Washington, Seattle
Founding Director, Intel Research Seattle

9:15 – 10:30   Session I: Analytical Bounds and Metrics for Opportunistic Routing

Contention-Aware Analysis of Routing Schemes for Mobile Opportunistic Networks
A. Jindal, K. Psounis

A Comparison of Opportunistic and Deterministic Forwarding in Multihop Wireless Networks
J. Kim, S. Bohacek

Evaluating Contacts for Routing in Highly Partitioned Mobile Networks
C. Chen, Z. Chen

10:30 – 11:00   Coffee Break

11:00 – 12:15   Session II: Opportunistic Vehicular and Sensor Networks

Reactive Sink Mobility in Wireless Sensor Networks
D. Puccinelli, M. Brennan, M. Haenggi

Energy-Efficient Opportunistic Topology Control in Wireless Sensor Networks
J. Ma, Q. Zhang, C. Qian, L. M. Ni

Opportunistic Spatio-Temporal Dissemination System for Vehicular Networks
I. Leontiadis, C. Mascolo

12:15 – 13:45   Lunch Break

13:45 – 15:00   Session III: Work in Progress

Evaluating Vehicle Network Strategies for Downtown Portland: Opportunistic Infrastructure and the Importance of Realistic Mobility Models
G. Marfia, G. Pau, E. De Sena, E. Giordano, M. Gerla

Applicability of Identity-Based Cryptography for Disruption-Tolerant Networking
N. Asokan, K. Kostiainen, P. Ginzboorg, J. Ott, C. Luo

Incentive-Based Cooperative and Secure Inter-Personal Networking
K. El Defrawy, M. El Zarki, G. Tsudik

Prioritized Epidemic Routing for Opportunistic Networks
R. Ramanathan, R. Hansen, P. Basu, R. Rosales-Hain, R. Krishnan

15:00 – 15:30   Coffee Break

15:30 – 17:15   Session IV: Opportunistic Dissemination and Routing Schemes

Performance Modeling of Network Coding in Epidemic Routing
Y. Lin, B. Liang, B. Li

Hybrid Routing in Clustered DTNs with Message Ferrying
Y. Chen, W. Zhao, M. Ammar, E. Zegura

TACO-DTN: A Time-Aware COntent-based dissemination system for Delay Tolerant Networks
G. Sollazzo, M. Musolesi, C. Mascolo

Reliable and Efficient Message Delivery in Delay Tolerant Networks Using Rateless Codes
B. N. Vellambi, R. Subramanian, F. Fekri, M. Ammar

17:15 – 18:15   Panel

Mobile Opportunistic Networking: Drivers and Research Directions

Organiser: Cecilia Mascolo, UCL, UK

Panellists: P. Basu   BBN Technologies, USA

                  C. Efstratiou   Lancaster University, UK

                  S. Keshav   University of Waterloo, Canada

                  G. Pau   UCLA, USA

Organised by