

Mike P. Wittie

University of California, Santa Barbara
Computer Science Department
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PARTICULARS

EDUCATION

University of California, Santa Barbara
Ph.D. in Computer Science

Santa Barbara, CA
expected graduation date: July 2011

University of Pennsylvania
M.S. in Computer Science

Philadelphia, PA
December 2004

University of Pennsylvania
B.A. Cognitive Science *cum laude*

Philadelphia, PA
May 2003

CURRENT STATUS

U.S. Citizen, Polish (E.U.) Citizen

RESEARCH INTERESTS

My interests span the areas of wireless network protocol design, online social networks, and network optimization.

PUBLICATIONS

JOURNAL PAPERS

1. Vinod Kone, Mariya Zheleva, Mike P. Wittie, Ben Y. Zhao, Elizabeth M. Belding, Haitao Zheng, Kevin C. Almeroth.
AirLab: Consistency, Fidelity and Privacy in Wireless Measurements.
To appear in *Computer Communications Review*, January 2011.
2. Mike P. Wittie, Khaled A. Harras, Kevin C. Almeroth, Elizabeth M. Belding.
On The Implications of Routing Metric Staleness in Delay Tolerant Networks.
Computer Communications, 32(16):1699–1709, 2009.

CONFERENCE PAPERS

3. Mike P. Wittie, Lara Deek, Veljko Pejovic, Kevin C. Almeroth, Ben Y. Zhao.
Exploiting Locality of Interest in Online Social Networks.
In *ACM CoNEXT*, 2010.
4. Mike P. Wittie, Kevin C. Almeroth, Elizabeth M. Belding, Ivica Rimac, Volker Hilt.
Internet Service in Developing Regions Through Network Coding.
In *IEEE Conference on Sensor, Mesh and Ad Hoc Communications and Networks (SECON)*, June 2009.
5. Lara B. Deek, Kevin C. Almeroth, Mike P. Wittie, and Khaled A. Harras.
Exploiting Parallel Networks Using Dynamic Channel Scheduling.
In *Wireless Internet Conference (WICON)*, November 2008.
6. Vadim A. Slavin, Michael Polyakov, Mark Quilling, Mike Wittie, and Matthew Andrews.
Mobile Ad Hoc Networks (MANET) Protocols Evaluation Framework.
In *Military Communications Conference (Milcom)*, October 2007.
7. Mike P. Wittie, Brett Stone-Gross, Kevin C. Almeroth, and Elizabeth M. Belding.
MIST: Cellular Data Network Measurement for Mobile Applications.
In *Conference on Broadband Communications, Networks and Systems (BROADNETS)*, September 2007.

WORKSHOP PAPERS

8. Khaled A. Harras, Mike P. Wittie, Kevin C. Almeroth, and Elizabeth M. Belding.
ParaNets: A Parallel Network Architecture for Challenged Networks.
In *IEEE Workshop on Mobile Computing Systems and Applications (HotMobile)*, March 2007.

PRESENTATIONS

- Network Scalability vs. Evolving Communication Patterns (Invited Talk)
at Workshop on Pervasive Group Communication (IEEE PerGroup) with IEEE GLOBECOM *December 2010*
- Exploiting Locality of Interest in Online Social Networks
at ACM CoNEXT *November 2010*
- The Quest for Insight (Panel)
at ACM S3 Workshop with ACM Mobicom *September 2010*
- Internet Service in Developing Regions Through Network Coding
at IEEE Conference on Sensor, Mesh and Ad Hoc Communications and Networks (SECON) *June 2009*
- MIST: Cellular Data Network Measurement for Mobile Applications)
at Conference on Broadband Communications, Networks and Systems (BROADNETS) *September 2007*

AWARDS

- NSF Institute for International Education Central European Science Research Institute (CESRI) *Summer 2007*
- University of California, Santa Barbara Computer Science Outstanding TA (honorable mention) *Fall 2005*

TEACHING EXPERIENCE

- **Instructor.** CS 24: Problem Solving with Computers II **UC, Santa Barbara, Summer 2010**
- **Teaching Assistant.** CS 10: Computer Programming **UC, Santa Barbara, Winter 2005**
- **Teaching Assistant.** CS 5: Introduction to Computer Programming **UC, Santa Barbara, Fall 2005**
- **Teaching Assistant.** CIS 240: Introduction to Computer Architecture **University of Pennsylvania, Fall 2004**

WORK EXPERIENCE

- Research Assistant, University of California, Santa Barbara *May 2006 to Present*
- Research Intern, Bell Labs *Summer 2008*
- Visiting Researcher, Warsaw University of Technology *Summer 2007*
- Consultant (TMOS Program), Lockheed Martin *June 2006 to January 2008*
- Software Engineer, Rockwell Collins (formerly Anzus, Inc.) *December 2004 to August 2005*

SERVICE

- Proceedings Chair and PC Member, UCSB Graduate Student on Computing (GSWC) *2010*
- Admissions Committee, Computer Science Department, University of California, Santa Barbara *2009*
- Conference webmaster: ACM Sigcomm travel grants *2009*
- Reviewer for journals: IEEE/ACM Transactions on Networking, IEEE Transactions on Mobile Computing, Sigcomm Computer Communication Review
- Reviewer for conferences: IEEE Infocom 2010, ACM Mobicom 2010, ACM Mobicom 2009, IEEE MASS 2008