

EHSAN NOURBAKHSH

UT Dallas, Mail Station EC31, P.O. Box 830688, Richardson, TX

(469)844-3342

ehsaan@utdallas.edu

Education

- **The University of Texas at Dallas**—Richardson, TX
Ph.D. candidate in Computer Science
 - January 2007 - August 2012 [expected]
 - Supervised by Dr. R. Prakash, Distributed Systems Lab
- **Sharif University of Technology**—Tehran, Iran
B.Sc. in Computer Software Engineering
 - Thesis: A Hybrid Approach for Refreshing Web Repository
 - Supervised by Professor M. Ghodsi, ADA Parallel Processing Lab

Research Interests

- Wireless Research Topics
- Embedded Systems
- Sensor Networks
- Wireless Networks in Smart Grid Infrastructure
- Ad-hoc networks

Skills

- **Operating Systems:** Linux (Gentoo, Red Hat, Fedora, Debian, Ubuntu, Familiar), FreeBSD, OpenBSD, Windows 98/2000/XP/2003, DOS, VAX/VMS, TinyOS
- **Computer Languages and Scripts:** Proficient in C, C++, Java, Javascript, HTML, \LaTeX , Farsi \TeX , PHP, UNIX Shells, SQL, nesC. Familiar with Perl. Other languages supported upon request/need!
- **Tools and Systems:** Proficient in Apache, BIND, Make, Postfix, Qmail, Sendmail, OpenSSL, Subversion, OpenLDAP, MySQL. Familiar with Xilinx Platform Studio, FPGA design process.

Research Experience

- **Distributed Systems Lab, UT Dallas**—Richardson, TX
Research Assistant: January 2007 - Present
 - Supervised By Dr. R. Prakash
 - Wireless Networks: MANETs and WSNs
 - Current activity: research in the *Advanced wireleSS Environment Research Testbed (ASSERT)* and *Wireless Networking Testbed and Emulator (WiNeTestEr)* projects.
- **ADA Parallel Processing Lab, Sharif University of Tech**—Tehran, Iran
Research Assistant: Aug. 2004 - Jan. 2006

- Supervised By Professor M. Ghodsi
- Research activities: Parallel Processing on ADA cluster, Web Compression and Search Engine Design.
- **Fraunhofer-Gesellschaft**—Darmstadt, Germany
Research Assistant: Aug. 2003 - Sep. 2003
 - Supervised By Professor E. J. Neuhold
 - Research and Development in the fields of Computer Supported Cooperative Learning (CSCL) and Mobile Learning.
- **AICT Center, Sharif University of Tech**—Tehran, Iran
Research Assistant: Jun. 2001 - Aug. 2004
 - Supervised By Dr. H. R. Rabiee
 - Research and Development in the fields of Computer Networks, Databases, Image Processing and web technologies

Work Experience

- **Cisco Systems Inc.**—San Jose, CA
Graduate Intern: May - June 2010
 - Shortly worked with the Radio Resource Management (RRM) Group, Wireless Networking Business Unit (WNBU)*
- **Aria Rasana Tadbir**—Tehran, Iran
Software Developer, Quality Assurance: Aug. 2004 - Dec.2006
- **Portnet Multimedia**—Tehran, Iran
part time Linux Administrator, Software Developer: Jan. 2002 - Aug. 2004

Publications

- Ehsan Nourbakhsh, Ravi Prakash, “ATR-MAC: Smart Meter Scheduling for High Throughput,” under preparation
- Ehsan Nourbakhsh, Ryan Burchfield, S. Venkatesan, Neeraj Mittal, Ravi Prakash, “Enhancing ASSERT: Making an Accurate Testbed Friendly,” The Sixth ACM International Workshop on Wireless Network Testbeds, Experimental evaluation and Characterization (WiNTECH11)
- Ravi Prakash, Ehsan Nourbakhsh, “Gradient-based Aggregation in Forest of Sensors (GrAFS),” IEEE International Conference on Parallel Processing (ICPP) 2011
- Ehsan Nourbakhsh, Jeff Dix, Paul Johnson, Ryan Burchfield, S. Venkatesan, Neeraj Mittal and Ravi Prakash, “ASSERT: A Wireless Networking Testbed”, 6th International Conference on Testbeds and Research Infrastructures for the Development of Networks and Communities (TridentCom '10)
- Ravi Prakash, Ehsan Nourbakhsh, Kunal Sahu, “Data Aggregation in Sensor Networks: No More a Slave to ,” 47th Annual Allerton Conference on Communication, Control, and Computing, October 2009 (invited)
- Ryan Burchfield, Ehsan Nourbakhsh, Jeff Dix, Kunal Sahu, S. Venkatesan, Ravi Prakash, “RF in the Jungle: Effect of Environment Assumptions on Wireless Experiment Repeatability,” Proceedings of the IEEE International Conference on Communications (ICC)