

Wenhui Hu

CONTACT INFORMATION	338E IST Building University Park PA 16802	<i>Mobile:</i> (814) 933-9535 <i>E-mail:</i> wxh180@cse.psu.edu
OBJECTIVE	To pursue PhD degree in Computer Science. To work in academic area in the future.	
RESEARCH INTERESTS	Network Security, Sensor Network Security, Computer Networks, and Network Application	
EDUCATION	Pennsylvania State University , PA, USA <i>Department of Computer Science and Engineering</i> Ph.D., Aug. 2007 - <ul style="list-style-type: none">• Advisor: Dr. Guohong Cao Helsinki University of Technology , Espoo, Finland <i>Department of Computer Science and Engineering</i> M.Sc. (Tech) with Distinction, Telecommunications Software, Jan. 2007 GPA in major (Exclude Finnish Language): 4.50/5; general GPA : 4.21/5 <ul style="list-style-type: none">• Thesis Topic: “Adopting Cellular IPv6 into Hybrid Ad Hoc Networks”, Advisor: Professor Antti Ylä-Jääski; Southeast University , Nanjing, P.R. China <i>Department of Computer Science and Engineering</i> B.E., Computer Science, June 2002 GPA in Mathematic and Computer Science related courses: 86.74/100; general GPA : 83.67/100 <ul style="list-style-type: none">• Outstanding Graduate of Southeast University, 2002;• Outstanding Graduation Project and Thesis of Southeast University, 2002	
ENGLISH PROFICIENCY	GRE TOEFL	V/Q/A 720/800/710 Aug 2002 CBT 260 TWE 5.5 Sep 2006
COMPUTER SKILLS	<ul style="list-style-type: none">• Languages: Java, C/C++, Pascal, ASP/HTML, PL/SQL, Assembler 8086, some use of Unix shell scripts and Perl.• Database: Design by E-R diagram and implementation by SQL in Oracle and mysql.• Operating Systems: Unix/Linux, Windows.• Others: \LaTeX, Web Service, Multi-thread programming, and SWING in java.	
NETWORK SERVICE AND SECURITY	<ul style="list-style-type: none">• Programming: TCP/IP, PCAP, and protocols implementation (CIPv6E, IMAP, and SMTP).• Service: Experience in IPv6, routing protocols in Ad Hoc networks, and micro mobility protocols.• Security: Experience in VPN, firewalls, and TLS/HTTPS.• Others: General understanding about ISDN, CHAP, DHCP, Radius, DIAMETER, SSH, QoS, and etc.	
PUBLICATIONS	W. Hu and D. Forsberg. Fast Solutions for AP-to-AP Handoffs. In Proceedings of The 11th Nordic Workshop on Secure IT-systems (NordSec 2006), Linköping, Sweden, October 2006. (Available at http://users.tkk.fi/~shaoxing/files/nordsec2006Final.pdf)	
PAPERS SUBMITTED	M. Shao, W. Hu, S. Zhu, G. Cao, S. Krishnamurthy and T. La Porta. Cross-layer Enhanced Source Location Privacy in Sensor Networks. Submitted to Infocom 09.	

MEMBERSHIPS Association for Computing Machinery (ACM).

WORK HISTORY **Canter Oy**, Helsinki, Finland
Software Designer **Oct. 2006 - present**
Software design, ERP integration, network administrator.
Related technologies: J2EE.

Helsinki University of Technology, Espoo, Finland
Research Assistant **Jun. 2005 - Jan. 2007**
Notice: **(Contract period: Jun. 2005 - Oct. 2005)**
Research Assistant at the telecommunications software and multimedia laboratory working for individual research. Adopting Cellular IPv6 into hybrid ad hoc networks. Work includes refined protocol design, design and implementation, measurement, and evaluation.
Related technologies: C coding in Linux, PCAP, multi-thread, and IPv6 networks configuration.

Changshu Information Center, Changshu, China
Network administrator **Jan. 2004 - Aug. 2004**
Build and maintain a wide area network. I am also in charge of network security and the email server.
Related technologies: configuration of firewall, VPN, routing tables in route & switch, and etc.

MacroTech Co. Ltd, Nanjing, China
Software engineer **May. 2003 - Dec. 2003**
My duty is to develop software which can estimate chips size at early stage of chip design.
Related technologies: Java, mysql, java web start, pdf generation.

Nanjing Micro Aurora Information Technology Co. Ltd, Nanjing, China
Intern **Jul. 2001 - Mar. 2002**
I mainly work on a compiler for embedded system.
Related technologies: C coding in Linux, debug by ddd.

RESEARCH
EXPERIENCE **Helsinki University of Technology**, Espoo, Finland
Adopting Cellular IPv6 into hybrid ad hoc networks **Jun. 2005 - Jan. 2007**
Adopting Cellular IPv6 into hybrid ad hoc networks. Work includes refined protocol design, design and implementation, measurement, and evaluation.

Special Assignment about DTD **Jun. 2005 - Dec. 2005**
Implementation of Distributed Termination Algorithms under the instruction of Professor Mordechai Ben-Ari, the holder of SIGCSE Award for Outstanding Contribution to Computer Science Education in 2004.

TEACHING
EXPERIENCE **Pennsylvania State University**, PA, USA
Fall 2008, TA for CMPSC 311: Introduction of System Programming.
Spring 2008, TA for CSE 513: Distributed System.
Fall 2007, TA for CSE 465: Data Structures and Algorithms.

Helsinki University of Technology, Espoo, Finland

Fall 2006, tutor in seminar course: T-110.5290 Seminar on Network Security (4 cr) - Security and Privacy in Pervasive Computing.

Fall 2006, teaching assistant in programming course: T-106.1200 Basics of Programming T (Java).

Southeast University, Nanjing, China

Instructor

Feb. 2002 - Jul. 2002

Instructor of two bachelor students on their Graduation Project and Thesis.

Nanjing Forestry University, Nanjing, China

Instructor of Principles of Compiler

Aug. 2001- Jan. 2002

Work includes lectures and the arrangement of exam, twice a week, 48 hours in one semester while I was still a senior student.

HOBBIES

Music, plant, hiking, fishing and many others.