

Huy Nguyen

CONTACT INFORMATION	Wireless Research System Group Department of Computer Science University of Houston Houston, Texas 77204	office : +1 713-440-0054 mobile : +1 281-673-5351 anhhuy@gmail.com http://www2.cs.uh.edu/~nahuy/
EDUCATION	University of Science , VNUHCM, Ho Chi Minh City, Vietnam <i>Bachelor of Science</i> <ul style="list-style-type: none">• Accumulated GPA: 8.37/10.0• Specialized in software engineering• Thesis: “<i>VnElearning: An Integrated Open Source Elearning System</i>”• Advisor: Professor Minh-Triet Tran Chonnam National University , Gwangju, South Korea <i>Master of Engineering</i> <ul style="list-style-type: none">• Accumulated GPA: 4.44/4.50• Research topics: network management, anomaly and intrusion detection• Thesis: “<i>BASMIN: A Way to Maximize Network User Happiness</i>”• Advisor: Professor Deokjai Choi University of Houston , Houston, Texas <i>Doctor of Philosophy in Computer Science</i> <ul style="list-style-type: none">• Current GPA: 3.73/4.00• Expected graduation date: Summer 2013• Advisor: Professor Rong Zheng	Sep. 2002 – Sep. 2006 Mar. 2007 – Mar. 2009 Aug. 2009 – present
RESEARCH INTERESTS	Information diffusion on social network, wireless and sensor network monitoring, approximation and optimization algorithm, machine learning.	
TEACHING EXPERIENCE	COSC6377: Computer Networks <ul style="list-style-type: none">• This graduate course emphasizes on the algorithms, protocols and performance evaluation of the Internet. Topics include routing, congestion control, network management, multimedia networks and selected materials in wireless networks. COSC7388: Advanced Distributed Computing <ul style="list-style-type: none">• This graduate course covers topics on mobile computing and cloud computing with focus on the synergy between the two.	Fall 2009 Spring 2011
WORKING EXPERIENCE	ELCA Information Technology , Ho Chi Minh City, Vietnam <ul style="list-style-type: none">• <i>Software Engineer</i> at SecuTix Team Chonnam National University , Gwangju, South Korea <ul style="list-style-type: none">• <i>Research Assistant</i> at Advanced Network Lab University of Houston , Houston, Texas <ul style="list-style-type: none">• <i>Teaching Assistant</i> at Computer Science Department• <i>Research Assistant</i> at Wireless Research System Group Hong Kong Polytechnic University , Kowloon, Hong Kong <ul style="list-style-type: none">• <i>Exchanged Research Staff</i> at Department of Computing Idera Software , Houston, Texas <ul style="list-style-type: none">• <i>Summer Research Intern</i> at SQL Team	Sep. 2006 – Feb. 2007 Mar. 2007 – Feb. 2009 Aug. 2009 – Dec. 2009 Jan. 2010 – present Nov. 2011 – Feb. 2012 May 2012 – Aug. 2012
COMPUTER SKILLS	Operating Systems: Various Linux distributions, Mac OS, Microsoft Windows and Microsoft Windows Server Programming Languages: Pascal, Fortran, Python, Matlab, C/C++, C#, Java, ASP.NET, PHP, JSP, HTML, XML, SQL Database Systems: Microsoft SQL Server, MySQL, Postgre SQL, Oracle, SQLite Miscellaneous: Windows Azure Platform, SQL Azure, Microsoft Hawaii Services (cloud computing) Silverlight XAML (windows mobile programming)	

SELECTED
PUBLICATIONS

See my home page for the full list of publications.

Yi Huang, M. Esmalifalak, Huy Nguyen, Rong Zheng, Zhu Han, Husheng Li, and Lingyang Song “Bad Data Injection in Smart Grid: Attack and Defense Mechanisms”, In *IEEE Communications Magazine (IEEE ComMag)*, to be appeared on the January 2013 issue. (*3.785 impact factor*)

Huy Nguyen, and Rong Zheng, “Influence Spread in Large-Scale Social Networks – A Belief Propagation Approach”, In *Proc. of The 23rd ECML-PKDD*, September 24-28, Bristol, UK, 2012. (*23% acceptance rate*)

Huy Nguyen, Nam Nguyen, Zhu Han and Rong Zheng, “Binary Blind Identification of Wireless Transmission Technologies for Wide-band Spectrum Monitoring”, In *Proc. of The 54th Globecom*, December 5-9, Houston, Texas, USA, 2011. (*36.7% acceptance rate*)

Huy Nguyen, and Rong Zheng, “Binary Independent Component Analysis with OR Mixtures”, In *IEEE Transactions on Signal Processing (IEEE TSP)*, Vol 59, Issue 7, July 2011. (*2.651 impact factor*)

Arun Chhetri, Huy Nguyen, Gabriel Scalosub, and Rong Zheng, “On Quality of Monitoring for Multi-channel Wireless Infrastructure Networks”, In *Proc. of The 11th Mobihoc*, September 20-24, Chicago, Illinois, USA, 2010. (*17.7% acceptance rate*)

Huy Nguyen, Rong Zheng, and Zhu Han, “Binary is Good: A Binary Inference Framework for Primary User Separation in Cognitive Radio Networks”, In *Proc. of The 5th CrownCom*, June 9-11, Cannes, France, 2010. (*invited paper*)

Huy Nguyen, Tam Van Nguyen, and Deokjai Choi, “How to Maximize User Satisfaction Degree in Multi-services IP Networks”, In *Proc. of The 1st ACIIDS*, April 1-3, Quang Binh, Vietnam, 2009.

Huy Nguyen and Deokjai Choi, “Application of Data Mining to Network Intrusion Detection: Classifier Selection Model”, In *Proc. of The 11th APNOMS*, October 22-24, Beijing, China, 2008. (*23.7% acceptance rate*)

Huy Nguyen and Deokjai Choi, “Network Anomaly Detection: Flow-Based or Packet-Based Approach?”, In *Chonnam National University Networking Journal*, June 2008.

Huy Nguyen, Tam Van Nguyen, Dongil Kim, and Deokjai Choi, “Network Traffic Anomalies Detection and Identification with Flow Monitoring”, In *Proc. of The 5th WOCN*, May 5-7, Surabaya, Indonesia, 2008.

HONORS AND
AWARDS

Excellent Student of The University of Natural Sciences, 2002 to 2006
Learning Encouraging Scholarship of The University of Natural Sciences, 2002 to 2006
TMA scholarship for Best Computer Science Student of the Year, 2006
The University of Natural Sciences’ Roll of Honor, 2006
Institute of Information Technology Assessment (IITA) Scholarship, 2007, 2008
Chonnam National University Global Scholarship, 2009
Chonnam National University BK21 Scholarship, 2009
ACM MobiCom/MobiHoc 2010 Student Travel Grants, 2010
WiSeR Best Student of the Year, 2010, 2011
Hong Kong Polytechnic University Exchange Research Student Scholarship, 2011
Texas Public Educational Grant (TPEG), 2011 to 2013
NSMAA Eckhard Pfeiffer-Alumni Scholarship, 2012, 2013

REFERENCES

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Professor Zhu Han

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