

HOANG Tuan-Anh

Present Address

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Objective To do good research so as to contribute to our society.

Research Interest

Data Mining

- Social Network Analysis and Mining
- Information Diffusion in Social Networks

Combinatorial Optimization

- Graph Theory and Algorithms
- Evolutionary and Local Search Algorithms

Education

PhD in Information System; School of Information System, Singapore Management University, Singapore; Expected graduation date: Fall 2015
Research topic: Social network mining
Thesis Advisor: Professor Ee-Peng Lim
Recent GPA 3.89/4.0

Master in Mathematical Foundation for Computer and Computing Systems; Hanoi University of Science, National University Hanoi, Vietnam; December 2009

Thesis: Particle swarm optimization and its applications
Thesis Advisor: Dr. Trong-Vinh Le
GPA 3.73/4.0 in major, 3.32 overall
Rank 1/15

Bachelor in Applied Mathematics and Informatics; Hanoi University of Science, National University Hanoi, Vietnam; June 2006

Thesis: On the family of $LL(k)$ grammars
GPA 8.76/10.0 in major, 8.19 overall
Rank 2/70

Publication

Tuan-Anh Hoang, William W. Cohen, Ee-Peng Lim; **On Modeling Community Behaviors and Sentiments in Microblogging**; 2014 SIAM International Conference on Data Mining, SDM14, Philadelphia, Pennsylvania, USA, April 2014

Tuan-Anh Hoang, William W. Cohen, Ee-Peng Lim, Doug Pierce, and David P. Redlawsk; **Politics, Sharing and Emotion in Microblogs**; The 2013 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining, ASONAM 2013, Niagara Falls, Canada, August 2013.

Tuan-Anh Hoang, Ee-Peng Lim; **Retweeting: An Act of Viral Users, Susceptible Users, or Viral Topics?**; 2013 SIAM International Conference on Data

Mining, SDM13, Austin, Texas, USA, May 2013

Palakorn Achananuparp, Ee-Peng Lim, Jing Jiang, and Tuan-Anh Hoang; **Who is Retweeting the Tweeters? Modeling Originating and Promoting Behaviors in The Twitter Network**; ACM Transactions on Management Information Systems, 3(3), October 2012.

Su Mon Kywe, Tuan-Anh Hoang, Ee-Peng Lim and Feida Zhu; **On Recommending Hashtags in Twitter Networks**; 4th International Conference on Social Informatics, SocInfo 2012, Lausanne, Switzerland, December 2012.

Tuan-Anh Hoang, Ee-Peng Lim; **Virality and Sensitivity in Information Diffusions**; 6th International AAAI Conference on Weblogs and Social Media, ICWSM 2012, Dublin, Ireland, June 2012

Duc Minh Luu, Ee-Peng Lim, Tuan-Anh Hoang, Freddy Chong Tat Chua; **Modeling Diffusion in Social Networks Using Network Properties**; 6th International AAAI Conference on Weblogs and Social Media, ICWSM 2012, Dublin, Ireland, June 2012

Tuan-Anh Hoang, Ee-Peng Lim, Palakorn Achananuparp, Jing Jiang, Feida Zhu; **On Modeling Virality of Twitter Content**; 13th International Conference on Asia-Pacific Digital Libraries, ICADL 2011, Beijing, China, October 2011

Tuan-Anh Hoang, Ee-Peng Lim, Palakorn Achananuparp, Jing Jiang, Loo-Nin Teow; **Modeling Socialness in Dynamic Social Networks**; 2nd International Conference on Advances in Social Networks Analysis and Mining, ASONAM 2011, Kaohsiung, Taiwan, July 2011

Working Experience

Summer Internship; Yahoo Research Lab Barcelona; May. 2013 - Aug.2013

- Mining pattern of popularities in media streams

Research Engineer; Singapore Management University; Aug. 2010 - Dec.2010

- Clustering and ranking in social network

Lecturer; Faculty of Mathematics - Mechanics - Informatics, Hanoi University of Science, Vietnam National University Hanoi; Feb.2007 - Aug.2010

- Introduction to Computer Science
- Programming language

Teaching Assistant

- School of Information System, Singapore Management University; Jan.2012 - date
 - Data management
 - Computational Thinking
- Faculty of Mathematics - Mechanics - Informatics, Hanoi University of Science, Vietnam National University Hanoi; Sep.2006 - Aug.2010
 - Fundamental subjects in Computer Science

Software Skills

Language: C/C++/C#, Java, Matlab, Python, SQL
OS: Windows, Linux

DBMS: MS SQLServer, MySQL

Honors and Awards

Scholarship

- Presidential Fellowship, Singapore Management University; Aug.2013 - Jul.2014
- Exchange student scholarship to study in Carnegie Mellon University for one year; Living Analytics Research Centre, Singapore Management University; Aug.2012 - May.2013
- Postgraduate study scholarship; School of Information System, Singapore Management University; Jan.2011 - Dec.2015
- University prize for graduate students who achieves excellent academic records and research; Hanoi University of Science, Vietnam National University Hanoi; Sep.2009

Travel grant

- Student travel grant; SIAM International Conference on Data Mining 2013, SDM13
- Student travel grant; 6th AAAI Conference on Weblogs and Social Medias, ICWSM 2012

Professional Activities

- PC member: ICWSM13, SocInfo13, ICWSM14

Reference

To be provided up on request