Qing Bao

CONTACT INFORMATION	Address: RRS 701, #224 Waterloo RD, Kowloon Tong, Kowloon, Hong Kong Email: qingbao@comp.hkbu.edu.hk Tel: +852-5494-5707 http://www.comp.hkbu.edu.hk/~qingbao

EDUCATION

Hong Kong Baptist University, Kowloon Tong, Hong Kong

Ph.D. , Computer Science, GPA 4/4.0, Sept 2011 - Sept 2016
- Advisors: Dr. William K. Cheung (Principal) and Prof. Jiming Liu

East China Normal University, ShangHai, China (Among 39 universities under Project 985)

B.S., Computer Science, GPA 3.62/4.0, Rank 2/125, Sept 2007 - June 2011

RESEARCH INTERESTS

Data Mining in social networks:
I used probabilistic models for modelling diffusion in social networks. Diffusion on social networks refers to the process where opinions are spread via the connected nodes. Given a set of observed information cascades, one can infer the underlying diffusion process for social network analysis. Notions in social theory like structural hole are incorporated in our model.

AWARDS

Awards received as an undergraduate:
- National Scholarship (2009,2010): the highest scholarship, total GPA ranked **1st/125 and 2nd/125**
- Excellent Academic Student (2009,2010): 7/125
- School Excellent Student (2010): 7/125
- Bronze Medal in the ACM/ICPC Asia Invitational Programming Contest (2010)
- Honorable Mention in the ACM/ICPC Asia Regional Programming Contest (2010)
- Best Women's Team in the ACM/ICPC Asia Invitational Programming Contest (2011)
- First-class in the 2nd Programming Contest of East China Normal University (2009)
- Honorable Mention in the 17th "DaXia Cup" of East China Normal University (2010)
- Honorable Mention in Business Plan Competition of East China Normal University (2008)

Awards received as a postgraduate:
- Best Student Paper Award of Web Intelligence Conference   Nov 2013

1 of 3

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AWARDS

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Awards received as a postgraduate:
- Best Student Paper Award of Web Intelligence Conference   Nov 2013

- Student Travel Award of Web Intelligence Conference   Nov 2013
- Best Presentation Award and Best Collaborative Work in Kyoto University -Hong Kong Baptist University Joint Workshop on Design for Sustainability (D4S): Mobility and Healthcare   June 2014

RESEARCH
EXPERIENCE

Research Experience in East China Normal University:
- Training for the ACM/ICPC Asia Programming Contest
- Writing basic programs about Single Chip Microcomputer

Research Experience in Hong Kong Baptist University:
- Research Postgraduate Student   Sept 2011-Aug 2015

TEACHING
EXPERIENCE

Teaching Assistant
- COMP 1210 Data Structure and Algorithms   Semester 1 2011–2012
- COMP 1180 Structured Programming   Semester 2 2011–2012, 2012–2013
- COMP 1150 Object-Oriented Programming   Semester 1 2012–2013, 2013–2014
- COMP 2220 Software Engineering   Semester 2 2013–2014
- COMP 3006 Software Engineering   Semester 1 2014–2015
- COMP 7400 Financial Analysis and Decision Support Systems Semester 2 2014–2015
- COMP 7570 IT Laws and Ethics   Semester 2 2014–2015

PUBLICATIONS

1. **Qing Bao**, William K. Cheung, and Jiming Liu. "Inferring Motif-based Diffusion Models for Social Networks." *in Proceedings of the 25th International Joint Conference on Artificial Intelligence (IJCAI-16)*, New York City, USA, 9-15 Jul, 2016.

2. **Qing Bao**, William K. Cheung, Yu Zhang, and Jiming Liu. "A Component-based Diffusion Model with Structural Diversity for Social Networks." *IEEE Transactions on Cybernetics*, Vol. 47. No. 4, pp.1078-1089, 2017.

3. **Qing Bao**, William K. Cheung, Jiming Liu, and Yunya Song. "Inferring Latent Co-activation Patterns for Information Diffusion." *in Proceedings of the 2015 IEEE/WIC/ACM International Conference on Web Intelligence (WI)*, Singapore, 6-9 Dec, 2015.

4. **Qing Bao**, William K. Cheung, and Yu Zhang. "Incorporating Structural Diversity of Neighbors in a Diffusion Model for Social Networks." *in Proceedings of the 2013 IEEE/WIC/ACM International Conference on Web Intelligence (WI)*, Atlanta, USA, 17-20 Nov, 2013. (**Best student paper award**)

INVITED TALKS

- *Inferring Motif-based Diffusion Models for Social Networks* April 2016
  Dept. of Social Informatics, Graduate School of Informatics, Kyoto University
  Kyoto, Japan
- *Inferring Motif-based Diffusion Models for Social Networks* Sept 2016
  Dept. of Computer Science and Technology, School of Computer Science and Software Engineering, East China Normal University
  Shanghai, China

ACTIVITIES

- Commissary in Charge of Organization (Dept. CS, ECNU) 2008.
- Organizing Committee in the 15th Postgraduate Research Symposium (Dept. CS, HKBU) March 2012
- Organizing Committee in the Research Symposium Celebrating Centenary of Alan Turing's Birth: Promises and Challenges of Future Computing and Informatics (Dept. CS, HKBU) Dec 2012
- Chair in the 16th Postgraduate Research Symposium (Dept. CS, HKBU) June 2013

SKILLS

- Language Skills: Mandarin (mother tongue), English (fluent), Cantonese (fluent)
- Programming:
  proficient: C/C++, Java,
  prior experience: C#, Python, JavaScript, Matlab, PHP, HTML, SQL

REFERENCES

- **Dr. William K. Cheung**
  Associate Professor and Associate Head
  Department of Computer Science, Hong Kong Baptist University
  Kowloon Tong, Kowloon, Hong Kong
  Email: william@comp.hkbu.edu.hk Phone: (+852) 3411-5965

- **Prof. Jiming Liu**
  Chair Professor
  Department of Computer Science, Hong Kong Baptist University
  Kowloon Tong, Kowloon, Hong Kong
  Email: jiming@comp.hkbu.edu.hk Phone: (+852) 3411-7088