**Dongwoo Kim (김동우)**

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Doctoral Candidate  
The Department of Computer Science  
KAIST, Daejeon, Korea

**Education**

* 2011 Feb. - 2015 Feb.(Expected) : KAIST, Daejeon, South Korea (Ph.D. Candidate, Computer Science), Advisor: [Alice Oh](http://uilab.kaist.ac.kr/members/aliceoh/)
* 2009 Feb. - 2011 Feb. : KAIST, Daejeon, South Korea (M.S., Computer Science), Advisor: [Alice Oh](http://uilab.kaist.ac.kr/members/aliceoh/)  
  Thesis: Distance Dependent Chinese Restaurant Franchise.
* 2003 Mar. - 2009 Feb. : Sung Kyun Kwan Univeristy, Suwon, South Korea (B.S., Computer Science)

**Research Interests**

Graphical Models  
Probabilistic Topic Models  
Nonparametric Bayesian Models  
Text Analysis

**International Conferences/Workshops**

* **Dongwoo Kim**, Alice Oh, Accounting for Data Dependencies within a Hierarchical Dirichlet Process Mixture Model, 20th ACM Conference on Information and Knowledge Managment (CIKM 2011), Scotland, UK, 2011.
* **Dongwoo Kim**, Alice Oh, Topic Chains for Understanding a News Corpus, 12th International Conference on Intelligent Text Processing and Computational Linguistics(CICLING 2011), Tokyo, Japan, 2011.
* Il-Chul Moon, **Dongwoo Kim**, Yohan Jo, Alice Oh, Learning Influence Propagation of Personal Blogs with Content and Network Analyses, Workshop on Finding Synergies Between Texts and Networks at the IEEE International Conference On Social Computing(SocialCom 2010). MN, US, 2010.
* Il-Chul Moon, **Dongwoo Kim**, Yohan Jo, and Alice H. Oh, Learning Influence Propagation on Personal Blogs, The 30th Annual International Sunbelt Social Network Conference, Trento, Italy, Jun 29-Jul 4, 2010
* **Dongwoo Kim**, Yohan Jo, Il-Chul Moon, and Alice Oh. Analysis of Twitter Lists as a Potential Source for Discovering Latent Characteristics of Users, Workshop on Microblogging at the ACM Conference on Human Factors in Computer Systems (CHI 2010). Atlanta, GA, US, 2010.

**Domestic Conferences/Workshops**

* Yohan Jo, **Dongwoo Kim**, Il-Chul Moon, Alice Oh, LDA를 이용한 대용량 블로그 데이터 처리, 정보과학회 인공지능 추계 워크샵, 2009

**Presentations**

* 2011, [Summer School on Social Network Analysis](http://open.nims.re.kr/new/event/event.php?workType=vod&Idx=55), Student presentation

**Work Experiences**

* Carrier Ethernet Research Team, Electronics and Telecommunications Research Institute(ETRI)  
  - Intern Researcher  
  - Develop test automation tool for SMART-BIT 6000  
  - Jan.2008 ~ Feb. 2008

**Graduate Coursework**

* Topics in Artificial Intelligence: Probabilistic Topic Models, Spring 2011, Alice Oh
* Designs for Software and Systems, Fall 2010
* Information Retrieval, Spring 2010, Sung-hyon Myaeng.
* [Machine Learning](http://ailab.kaist.ac.kr/courses/2009/cs671), Fall 2009. Kee-Eung Kim.
* [Markov Random Fields: Theory and Application](http://web.kaist.ac.kr/~kyomin/Fall09MRF/), Fall 2009. Kyomin Jung.
* [Probability and Statistics](http://mathsci.kaist.ac.kr/~nipl/cc511/), Fall 2009. Rhee Man Kil.
* [Introduction to Artificial Intelligence](http://uilab.kaist.ac.kr/course/CS570_2009_Spring.html), Spring 2009. Alice Oh.
* [Algorithm Design and Analysis](http://tclab.kaist.ac.kr/~cs500/), Spring 2009. Sunghee Choi.
* [Computer Architecture](http://web.kaist.ac.kr/~jhhuh/cs510_sp2009/), Spring 2009. Jaehyuk Huh

**Activities**

* [Web Science Summer Research 2009 at RPI](http://tw.rpi.edu/wiki/SummerProgram2009), NY  
  - Sponsored by:  
  - Web Science Research Initiative, RPI Tetherless World Constellation, EPSRC Doctoral Training in Web Science  
  - Directed by Professors: Wendy Hall, James Hendler, Deborah McGuinness
* Deputy chairman of the M.S. council at computer science department of KAIST, 2010

**Teaching Experiences**

* Algorithms:Design and Analysis (Prof. Kyomin Jung), Teaching Assistant, KAIST (Spring 2011)
* Artificial Intelligence (Prof. Alice Oh), Teaching Assistant, KAIST (Fall 2010, Fall 2011)
* Undergraduate Research Program, Teaching Assistant, KAIST (Fall 2010)