

## Wenye Li

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CONTACT INFORMATION	Department of Computing Science 2-21 Athabasca Hall University of Alberta Edmonton, Alberta Canada T6G 2E8	<i>Tel:</i> (1-780) 492-2731 <i>Fax:</i> (1-780) 492-1071 <i>E-mail:</i> wenye1@cs.ualberta.ca <i>WWW:</i> www.cs.ualberta.ca/~wenye1
OBJECTIVE	To apply for a research/teaching position in solving practical problems by computing techniques.	
LANGUAGES	Mandarin (Native), English (Excellent), Cantonese (Good)	
RESEARCH	Machine Learning: Probabilistic Inference, Graphical Models, Optimization Applications: Decision Making, Data Mining, Image Processing <i>Previous: Web, Database, Software Engineering</i>	
COMPUTER SKILLS	<b>Languages:</b> Proficiency in Java, Familiarity with ANSI C, Matlab. <b>Development Tools:</b> Eclipse, IBM VisualAge, Sun Forte, PowerBuilder, etc. <b>Database Technology:</b> IBM DB2, Oracle, MS SQL Server. <b>Web Technology:</b> IBM Websphere, Tomcat, Resin, JBoss. <b>Software Engineering:</b> Rational Unified Modeling Language. <b>Operating Systems:</b> Linux, Unix and its variants, Windows.	
BACKGROUND	<b>Postdoc Research Fellow</b> , University of Alberta <b>Postdoc Research Fellow</b> , Chinese University of Hong Kong <b>Ph.d Student</b> , Chinese University of Hong Kong <b>Master Student</b> , Institute of Software, Chinese Academy of Sciences <b>Undergraduate Student</b> , Shandong University	2008 – Now 2007 – 2008 2003 – 2007 1999 – 2003 1995 – 1999
AWARDS	IEEE CIS Hong Kong Chapter: Research Student Paper Award, 2007 International Conference on Machine Learning (ICML'2007): Student Travel Grant International Joint Conference on Artificial Intelligence (IJCAI'2007): Student Travel Grant Neural Information Processing Systems (NIPS'2007): Student Travel Grant Shandong University: Sanzhu Studentship Award, 1998 Shandong University: First-class Studentship Awards, 1996,1997 Shandong University: First-class Freshman Studentship Award, 1995	
TEACHING EXPERIENCES	<b>Chinese University of Hong Kong</b> Teaching Assistance for both undergraduate and graduate level courses. Shared responsibility for lectures, homework assignments, exams, and grades. <ul style="list-style-type: none"><li>• CSC2800 Numerical Analysis, Spring 2006</li><li>• CSC3640 Intro. to Theoretical Computer Science, Autumn 2005</li><li>• CSC5150 Learning Theory and Computational Finance, Spring 2005</li><li>• CSC3640 Intro. to Theoretical Computer Science, Autumn 2004</li><li>• CSC2510 Computer Organization, Autumn 2004</li></ul>	2004 – 2006

PROFESSIONAL  
ACTIVITIES

**Academic Reviewer**

- IEEE Transaction of Pattern Analysis and Machine Intelligence
- Neural Networks
- Neural Computing
- Several Conferences...

**Conference Organization**

- session chair, AICML workshop, 2008
- session chair, MITACS Annual Conference, 2009

SELECTED  
PUBLICATIONS

L. Xu, W. Li, D. Schuurmans, “*Fast Normalized Cut with Linear Constraints*”, IEEE Computer Society Conference on Computer Vision and Pattern Recognition (CVPR 2009).

W. Li, K.H. Lee, K.S. Leung, “*Large-scale RLSC Learning without Agony*”, pp. 529–536, Proceedings of 24-th International Conference on Machine Learning (ICML 2007).

W. Li, K.S. Leung, K.H. Lee, “*Generalizing the Bias Term of Support Vector Machines*”, pp. 919–924, Proceedings of 20-th International Joint Conference on Artificial Intelligence (IJCAI 2007).

W. Li, K.H. Lee, K.S. Leung, “*Generalized Regularized Least-Squares Learning with Predefined Features in a Hilbert Space*”, pp. 881–888, Proceedings of 20-th Annual Conference on Neural Information Processing Systems (NIPS 2007).

OTHER  
PUBLICATIONS

Z. Wang, W. Li, K.H. Lee, K.S. Leung, “*Lower integrals and upper integrals with respect to nonadditive set functions*”, Fuzzy Sets and Systems 159(6): 646–660, 2008

W. Li, K.H. Lee, K.S. Leung, “*Combining Intrinsic Features for Supervised Learning*”, NIPS’2007 workshop on Novel Applications of Dimensionality Reduction.

W. Li, K.H. Lee, K.S. Leung, “*Clustering with a Semantic Criterion Based on Dimensionality Analysis*”, ICONIP(2), pp. 796-805, 2006

W. Li, Z. Wang, K.H. Lee, K.S. Leung, “*Unit Scaling for Generalized Choquet Integral*”, IFSA’2005.

W. Li, Y. Gu, “*A Common Message-Based Framework (In Chinese)*”, Computer Science, Vol. 30, 2003.

Q. Xu, W. Li, Y. Gu, “*Query-Optimization Based Virtual Data Warehouse Model (In Chinese)*”, Computer Science, Vol. 30, 2003.

H. Wan, W. Li, Y. Gu, “*Design and Implementation of a Web-Based Software Rental Model (In Chinese)*”, Computer Science Symposium, Chinese Academy of Sciences, 2003.

PROJECT  
EXPERIENCES

I had the opportunity to join several projects when I was studying in Chinese academy of sciences, which equipped me with precious experiences.

**Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing, China**

*Designer and Developer* 2003

Geographic Data Sharing Network of Earth System Science. A Large-scale data sharing network which aimed to integrates the major geographic data in China. I was in charge of the design during the early phase of the system. Now it has grown into a system of over 4.9TB data.

**Institute of Software, Chinese Academy of Sciences, Beijing, China**

*Researcher* 2003

Design and implementation of a workflow engine.

**Quanzhou Telecom, Quanzhou, China**

*Designer* 2002

A fast data verification algorithm for massive telecom data.

**IBM Development Lab, Beijing, China**

*Intern* 2002

A database performance turning project associated with websphere commerce suite.

**ZhongTang Technology, Beijing, China**

*Designer and Developer* 2000-2001

A web-based customer relationship management system.

**Yansha Commerce Building, Beijing, China**

*Designer and Developer* 2000-2001

A decision support system for Yansha commerce building.

REFERENCES

**Dale Schuurmans**

Professor, Canada Research Chair  
Department of Computing Science  
University of Alberta  
dale@cs.ualberta.ca

**Kwong-Sak Leung**

Professor of Computer Science and Engineering  
Department of Computer Science and Engineering  
Chinese University of Hong Kong  
ksleung@cse.cuhk.edu.hk

**Kin-Hong Lee**

Associate Professor  
Department of Computer Science and Engineering  
Chinese University of Hong Kong  
khlee@cse.cuhk.edu.hk