

# Curriculum Vitae

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CONTACT INFORMATION	University Information Technology Services WCC, 2711 E. 10 <sup>th</sup> St. Bloomington, IN 47408, USA	+1-812-855-9916 lewu@indiana.edu <a href="http://www.cs.indiana.edu/~lewu">http://www.cs.indiana.edu/~lewu</a>
RESEARCH INTERESTS	Bioinformatics, complex systems and networks, image processing, databases, Web and data mining, machine learning, Web services and internet application, Web intelligence, distributed information retrieval	
EDUCATION	<b>Indiana University</b> , Bloomington, IN, USA Ph.D. in Computer Science, August 2009 M.S. in Computer Science, May 2003  <b>National Central University</b> , Chungli, Taiwan B.S., M.S. in Civil Engineering	
PROFESSIONAL EXPERIENCE	<b>University Information Technology Services</b> <i>Principle System Analyst</i>	<b>May, 2006 – present</b>
	<ul style="list-style-type: none"><li>• Plan, maintain, and document computer programs that implement algorithms used in life science, particularly in cell and molecular biology.</li><li>• Develop segmenting and tracking applications for biological images.</li><li>• Modify existing computer programs to increase functionality or to adapt them to local needs.</li></ul>	
	<b>Computer Science Department</b> <i>Research Assistant</i>	<b>August, 2004 – May, 2006</b>
	<ul style="list-style-type: none"><li>• Implemented applications for unstructured distributed peer to peer search system.</li><li>• Developed distributed text mining and information retrieval systems for Web documents.</li><li>• Developed visualization tools for complex networks.</li></ul>	
	<b>Computer Science Department</b> <i>Associate Instructor</i>	<b>August, 2003 – May, 2004</b>
	<ul style="list-style-type: none"><li>• Computer Structure, Web Mining</li></ul>	
	<b>Center for Cell and Virus Theory</b> <i>Research Associate</i>	<b>January, 2003 – May, 2006</b>
	<ul style="list-style-type: none"><li>• Developed computational models of the chemical and biological processes underlying cell and virus behavior.</li><li>• Designed and maintained database schema and Web services.</li></ul>	
	<b>Department of Rapid Transit Systems</b> <i>Deputy-Chief of Engineering Site Office</i>	<b>August, 1999 – December, 2000</b>
	<ul style="list-style-type: none"><li>• Lead and manage a group of civil engineers working on the construction projects of Taipei Mass Rapid Transit Systems (MRT).</li></ul>	
	<b>Department of Rapid Transit Systems</b> <i>Civil Engineer</i>	<b>August, 1994 – July, 1999</b>
	<ul style="list-style-type: none"><li>• Supervised the construction projects of Taipei Mass Rapid Transit Systems (MRT).</li></ul>	
	<b>Topographic Service of Combined Service Forces</b> <i>Survey Second Lieutenant</i>	<b>July, 1992 – May, 1994</b>
	<ul style="list-style-type: none"><li>• Transferred traditional paper maps to digital ones for a geographical information system (GIS).</li></ul>	

PROFESSIONAL  
SERVICE

**Program committees**

Int'l ACM Conference on Hypertext and Hypermedia, People, Resources, and Annotations Track (Hypertext 2009)

Int'l ACM Conference on Hypertext and Hypermedia, Social Linking Track (Hypertext 2008)

**Paper Reviewer**

Social Information Retrieval Systems: Emerging Technologies and Applications for Searching the Web Effectively (IDEA GROUP INC, 2007)

National Conference on Artificial Intelligence (AAAI 2006)

Int'l World Wide Web Conference, Text Analysis and Extraction Session (WWW 2005)

HONORS AND  
AWARDS

ACM SIGAPP Student Travel Award, 2009

Department of Rapid Transit Systems Taipei City Government Award for Excellence, 1999

Department of Rapid Transit Systems Taipei City Government Award for Excellence, 1996

ROC Combined Service Forces General Headquarters Award For Excellence, 1994

Taiwan Civil Engineering Consulting Firms Graduate Fellowship, 1991

PROFESSIONAL  
ACCREDITATION

Quality Control Engineer License, Public Construction Commission, Executive Yuan, Taiwan, 1998

Professional Civil Engineer License, Ministry of Economic Affairs, Taiwan, 1997

COMPUTER SKILLS

- Programming: Matlab, C/C++, SQL, Scheme, Java, Perl, Php, Assembly (Motorola 68000)
- Publishing: L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>

PUBLICATIONS

N. Lele, L-S Wu, R. Akavipat, F. Menczer: Sixearch.org 2.0 Peer Application for Collaborative Web Search. Proc. HT 2009.

L.-S. Wu, F. Menczer: Diverse Peer Selection in Collaborative Web Search. Proc. ACM SAC 2009. Special Track on Information Access and Retrieval

F. Menczer, L.-S. Wu, R. Akavipat: Intelligent peer networks for collaborative Web search. AI Magazine 29(3): 35, Fall 2008

L.-S.Wu, R. Akavipat, F. Menczer: A.G. Maguitman: Adaptive peer to peer social networks for distributed content based Web search. Social Information Retrieval Systems: Emerging Technologies and Applications for Searching the Web Effectively. IDEA GROUP INC, 2007.

L.-S.Wu, R. Akavipat, F. Menczer: 6S: P2P Web index collecting and sharing application. Application Proc. RIAO 2007.

R. Akavipat, L.-S.Wu, F. Menczer, A.G. Maguitman: Emerging Semantic Communities in Peer Web Search. Proc. P2PIR workshop of CIKM 2006.

L.-S. Wu, R. Akavipat, F. Menczer: Adaptive Query Routing in Peer Web Search. Poster Proc. WWW2005.

L.-S. Wu, R. Akavipat, F. Menczer: 6S: Distributing crawling and searching across Web peers. Proc. WTAS 2005.

R. Akavipat, L.-S. Wu, F. Menczer: Small World Networks in Distributed Web Search. Proc. 13th Intl. WWW Conf. Alt. Track Papers and Posters, pp. 396-397, 2004.

P. Ortoleva, E. Berry, Y. Brun, J. Fan, M. Fontus, A. Navid, A. Sayyed-Ahmad, Z. Shreif, F. Stanley, K. Tuncay, E. Weitzke and L. Wu. 2003. Karyote: physico-chemical genome, proteome, metabolome cell modeling system, OMICS: A Journal of Integrative Biology, Vol 7, 169-183.

Chau Lee, Dyi-Hwa Tseng, and Le-Shin Wu, The Feasibility of Solidification Process for Heavy Metal-Laden Incinerated Ash by cement, The Ninth Conference on Technology of Waste Management, pp.359-368, Taiwan, 1994.

Le-Shin Wu, The Feasibility of Solidification/Stabilization Process for Heavy Metal-Laden Incinerated Ash by Cement, Masters Thesis, Department of Civil Engineering, National Central University, Taiwan, 1992.

Chau Lee, and Le-Shin Wu, The Influence of Fly-Ash's LOI (Loss of Ignition) on the properties of Air entranced Concrete, Conference on The Use of Fly Ash Concrete in Taiwan, National Central University, Chung-Li, Taiwan, 1992.

REFEREES

*Available on request.*