

**LUN-WEI KU**  
**Ph.D. Candidate**



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**DATE OF BIRTH** December 24<sup>th</sup>, 1975

**CITIZENSHIP** TAIWAN

**EDUCATION**

1994-1998, National Taiwan University B.S. Computer Science and Information Engineering 1998  
1998-2000, National Taiwan University M.S. Computer Science and Information Engineering 2000  
2003-present, National Taiwan University Ph.D. program, Ph. D. Candidate 2005

**MEMBERSHIP IN SOCIETIES**

2006-2007 Membership of Association for the Advancement of Artificial Intelligence (AAAI)  
2007-2008 Membership of Association for Computational Linguistics (ACL)

**AREA OF SPECIALIZATION AND INTEREST**

Natural Language Processing  
Opinion Information Analysis  
Topic Detection  
Semantic Understanding

**EXTRAMURAL GRANTS / AWARD**

Ministry of Education 2005: PhD. student travel support  
SIGIR 2005: travel support

Ministry of Education 2006: Ph.D. student travel support  
AAAI 2006 Spring: student travel assistance grant  
AAAI 2006: Scholarship and Volunteer program  
Foundation For the Advancement of Outstanding Scholarship: Outstanding Students Conference  
Travel Grant 2006  
Ministry of Education 2007: Ph.D. student travel support

#### **INTRAMURAL GRANTS / AWARD**

2006 Top university student conference support  
2007 Top university student conference support

#### **FELLOWSHIP**

CyberLink Technical Elite Fellowship 2007  
IBM Ph.D. Fellowship 2008

#### **WORKING EXPERIENCE**

2000-2001, Programming Engineer, IntoVoice  
2001-2003, Project Manager, IntoVoice

#### **RESEARCH EXPERIENCE**

2003-2004, Project Researcher, advanced research product value lab, Acer  
2004-2008, Research Assistant  
2006-2007, NTCIR-6 Pilot Task (Opinion Analysis, Chinese side) Co-organizer  
2007, 19<sup>th</sup> Rocling Organization Chair  
2007-2008, NTCIR-7 MOAT Task (Multilingual Opinion Analysis Task, traditional Chinese side)  
Co-organizer

#### **MEETINGS ATTENDED**

SIGIR 2005  
NTCIR-5 (2005)  
AAAI 2006 Spring Symposium  
LREC 2006  
AAAI 2006  
NTCIR-6 (2007)  
ACL 2007  
Rocling 2007

#### **HOBBIES**

Language learning, Karate, badminton, piano, gardening, literature.

## **LANGUAGE SKILLS**

Chinese (native speaker)

Taiwanese (native speaker)

English (fluent speaker)

German (moderate conversational proficiency)

Italian (basic knowledge)

## **PUBLICATIONS**

Master Thesis

**A Study on the Multilingual Topic Detection of News Articles, June, 2000**

Journal Papers

Su J.-J., **Ku, L.-W.**, Lin, C.-C. and Chen H.-W. and Chen H.-H. (1998) A Multi-language Identification System on WWW. Bulletin of the College of Engineering, N.T.U., No.73, June 1998, pages 155-165.

**Ku, L.-W.** and Chen H.-H. Mining Opinions from the Web: Beyond Relevance Retrieval. Journal of American Society for Information Science and Technology, Special Issue on Mining Web Resources for Enhancing Information Retrieval, 58(12), pages 1838-1850.

Conference Papers

Chen, H.-H. and **Ku, L.-W.** (2000). Description of a Topic Detection Algorithm on TDT3 Mandarin Text. Topic Detection and Tracking Workshop, Vienna, Virginia, February 28-March 1, 2000, pages 165-166.

**Ku, L.-W.**, Lee, L.-Y., Wu, T.-H. and Chen, H.-H. (2005). Major topic detection and its application to opinion summarization. SIGIR 2005, pages 627-628.

**Ku, L.-W.**, Wu, T.-H., Li, L.-Y. and Chen., H.-H. (2005). Construction of an Evaluation Corpus for Opinion Extraction. NTCIR 2005, pages. 513-520.

**Ku, L.-W.**, Liang, Y.-T. and Chen, H.-H. (2006). Opinion extraction, summarization and tracking in news and blog Corpora. Proceedings of AAAI-2006 Spring Symposium on Computational Approaches to Analyzing Weblogs, AAAI Technical Report.

**Ku, L.-W.**, Liang, Y.-T. and Chen, H.-H. (2006). Tagging Heterogeneous Evaluation Corpora for Opinionated Tasks. LREC 2006.

**Ku, L.-W.**, Ho, H.-W. and Chen, H.-H. (2006). Novel Relationship Discovery Using Opinions Mined from the Web. The Twenty-First National Conference on Artificial Intelligence (AAAI 2006).

**Ku, L.-W.**, Lo, Y.-S. and Chen, H.-H. (2007). Using Opinion Scores of Words for Sentence-level Opinion Extraction. Proceedings of the 6th NTCIR Workshop Meeting on Evaluation of Information Access Technologies: Information Retrieval, Question Answering and Cross-Lingual Information Access, May 15-18, 2007, Tokyo, Japan, 316-322.

**Ku, L.-W.**, Lo, Y.-S. and Chen, H.-H. (2007). Test Collection Selection and Gold Standard Generation for a Multiply-Annotated Opinion Corpus. Proceedings of 45th Annual Meeting of Association for Computational Linguistics, poster, June 23rd-30th, 2007, Prague, Czech Republic, 89-92.

Seki, Y., Evans, D. K., **Ku, L.-W.**, Chen, H.-H., Kando N., and Lin C.-Y. (2007). Overview of Opinion Analysis Pilot Task at NTCIR-6. Proceedings of the 6th NTCIR Workshop Meeting on Evaluation of Information Access Technologies: Information Retrieval, Question Answering and Cross-Lingual Information Access, May 15-18, 2007, Tokyo, Japan, 265-278.

Evans, D. K., **Ku, L.-W.**, Seki, Y., Chen, H.-H. and Kando, N. (2007). Opinion Analysis across Languages: An Overview of and Observations from the NTCIR6 Opinion Analysis Pilot Task. Proceedings of 3rd International Cross Language Information Processing Workshop, July 7-10, 2007, Camogli, Italy.

**Ku, L.-W.**, Liang, Y.-T. and Chen, H.-H. (2007). Question Analysis and Answer Passage Retrieval for Opinion Question Answering Systems. Proceedings of 19th Conference on Computational Linguistics and Speech Processing, September 6-7, 2007, Taipei, Taiwan. 177-190.

#### Book chapters

Chen, H.-H and **Ku, L.-W.** (2002). An NLP & IR Approach to Topic Detection. Topic Detection and Tracking: Event-Based Information Organization, James Allan, Jaime Carbonnell, Jonathan Yamron (Editors), Kluwer, 243-264.

#### Other publications

**Ku, L.-W.** New Vision Encyclopedia for Learning: Digital World, ISBN986-7501-87-X

Intellectual Property

Chen, H.-H., **Ku, L.-W.**, Wu, T.-H. and Lee, L.-Y. , Chinese Opinion Retrieval and Extraction Systems, R.O.C. IP No. I286697.

Certificate

Course Completion Certificate of Sun DTX-310 XML Presentation, Cert No.015114

Certificate of Karatedo 2<sup>nd</sup> Dan, Cert No.170033