



Berlin Chen (陳柏琳)

Professor and Chairman, Department of Computer Science and Information Engineering, National Taiwan Normal University

Email: berlin@csie.ntnu.edu.tw

Website: <http://berlin.csie.ntnu.edu.tw>

Phone: 886-2-7734-6672

Address: No. 88, Sec. 4, Ting-Chow Rd., Taipei 116, Taiwan

### Short Biography

Berlin Chen is a Professor and the Chairman of the Computer Science and Information Engineering Department at National Taiwan Normal University (NTNU), Taipei, Taiwan. He received his Ph.D. degree in computer science and information engineering from National Taiwan University (NTU) in June 2001, and then joined NTNU as an Assistant Professor in August 2002. He became an Associate Professor in August 2006 and was promoted to the rank of Professor in February 2010. Prof. Chen's research interests generally lie in the areas of speech and natural language processing, multimedia information retrieval, and artificial intelligence; he is the author/coauthor of over 150 academic publications. Prof. Chen is a member of IEEE, ISCA and ACLCLP.

### Representative Publications in Last Five Years

- Jieh-weih Hung, Hsin-Ju Hsieh, Berlin Chen, “Robust speech recognition via enhancing the complex-valued acoustic spectrum in modulation domain,” *IEEE/ACM Transactions on Audio, Speech, and Language Processing*, Vol. 24, No. 2, pp. 236-251, February 2016.
- Kuan-Yu Chen, Shih-Hung Liu, Berlin Chen\*, Hsin-Min Wang, Ea-Ee Jan, Wen-Lian Hsu, Hsin-Hsi Chen, “Extractive broadcast news summarization leveraging recurrent neural network language modeling techniques,” *IEEE/ACM Transactions on Audio, Speech, and Language Processing*, Vol. 23, No. 8, pp. 1322-1334, August 2015.
- Shih-Hung Liu, Kuan-Yu Chen, Berlin Chen\*, Hsin-Min Wang, Hsu-Chun Yen, Wen-Lian Hsu, “Combining relevance language modeling and clarity measure for extractive speech summarization,” *IEEE/ACM Transactions on Audio, Speech, and Language Processing*, Vol. 23, No. 6, pp. 957-969, June 2015.
- Berlin Chen\*, Kuan-Yu Chen, “Leveraging relevance cues for language modeling in speech recognition,” *Information Processing & Management*, Vol. 49, No. 4, pp. 807-816, 2013.
- Berlin Chen\*, Kuan-Yu Chen, Pei-Ning Chen, Yi-Wen Chen, “Spoken document retrieval with unsupervised query modeling techniques,” *IEEE Transactions on Audio, Speech and Language Processing*, Vol. 20, No. 9, pp. 2602-2612, 2012.
- Berlin Chen\*, Shih-Hsiang Lin, “A risk-aware modeling framework for speech summarization,” *IEEE Transactions on Audio, Speech and Language Processing*, Vol. 20, No. 1, pp. 199-210, 2012.
- Shih-Hsiang Lin, Yao-Ming Yeh, Berlin Chen\*, “Leveraging Kullback-Leibler divergence measures and information-rich cues for speech summarization,” *IEEE Transactions on Audio, Speech and Language Processing*, Vol. 19, No. 4, pp.871-882, May 2011.

### **Some Academic Activities in Last Ten Years**

- Board Member of ACLCLP, October 2007- September 2017.
- Chair of Academic Council of ACLCLP, September 2007- September 2014.
- Editorial Board Member, International Journal of Computational Linguistics and Chinese Language Processing (IJCLCLP), 2008-2020.
- Program Committee Member, The Annual Meeting of the Association for Computational Linguistics, 2011, 2012 & 2016.
- Program Committee Member, The ACM International Conference on Multimedia (ACM MM 2014), 2013, 2014 & 2016.
- Special Session Co-Organizer, "Open Vocabulary Spoken Document Retrieval," the 11th Annual Conference of the International Speech Communication Association (Interspeech 2010), Makuhari, Japan, September 26-30, 2010.
- Special Session Co-Chair & Session Co-Chair, International Symposium on Chinese Spoken Language Processing (ISCSLP 2010), November 29-December 3, 2010.
- Program Committee Member, The 3rd workshop on Searching Spontaneous Conversational Speech (in conjunction with ACM Multimedia 2009), Beijing, China, October 23, 2009.
- Program Co-chair, ROCLING 2009, September 1-2, 2009.
- Program Co-chair, ROCLING 2008, September 4-5, 2008.
- Reviewer of APSIPA ASC 2009-2011 & 2014-2016.
- Reviewer of IEEE ICASSP 2008-2016.
- Reviewer of many IEEE and ACM Journals.