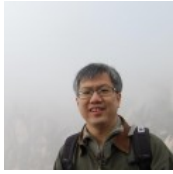


# Min-Yen KAN



- Associate Professor, NUS School of Computing (2009-current)
- Deputy Director (Research), NUS Institute for Application of Learning Science and Education Technology (ALSET; 2017-current)
- Assistant Dean, Undergraduate Office (2013-current)

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## Research Interests **Natural Language Processing, Digital Libraries, Information Retrieval and Human-Computer Interaction.**

My main interest is in applying natural language (NL) techniques to help researchers find the information they need to act on. A key focus of my work is improving information retrieval user interfaces with the use of NL technology to make search results easier to understand and disseminate to collaborators.

## Other Roles *Editor (ACL Anthology; 2008-current)*

Maintain, ingest and develop services for the open access archive of the ACL's 30K+ publications.

*Assistant Director, NUS Interactive Digital Media Institute / Smart Systems Institute (2012-2018)*

Advise and execute operational policy for the University level institute overseeing over S\$ 20M in research funding.

*Executive Board Member, Information Officer (Association of Computational Linguistics; 2013-2016)*

Manage and execute the ACL's Information Office: websites, domains and business interfaces.

*Science Partner – Entrepreneur First & Technical Adviser to EF teams*

Advise on technical matters relating to deep learning and natural language processing for start-ups.

## Education Ph.D., M.S., B.S. (Computer Science) – Columbia University (New York, NY)

1992-2002  
Dissertation: Text Summarization as applied to Information Retrieval: Using informative and indicative summaries

## Selected Publications Wenqiang Lei, Yuanxin Xiang, Yuwei Wang, Qian Zhong, Meichun Liu and Min-Yen Kan (2018) Linguistic Properties Matter for Implicit Discourse Relation Recognition: Combining Semantic Interaction, Topic Continuity and Attribution. Proceedings of the 32nd AAAI Conference on Artificial Intelligence.

Xiangnan He, Hanwang Zhang, Min-Yen Kan and Tat-Seng Chua (2016). Fast Matrix Factorization for Online Recommendation with Implicit Feedback. Proceedings of Special Interest Group on Information Retrieval.

Ziheng Lin, Hwee Tou Ng and Min-Yen Kan (2014). A PDTB-Styled End-to-End Discourse Parser. *Natural Language Engineering*, 20(2), pp 151-184. April.

Jovian Lin, Kazunari Sugiyama, Min-Yen Kan and Tat-Seng Chua (2014) New and Improved: Modeling Versions to Improve App Recommendation. Proceedings of Special Interest Group on Information Retrieval.

Kazunari Sugiyama and Min-Yen Kan (2013) Exploiting Potential Citation Papers in Scholarly Paper Recommendation. Proceedings of the Joint Conference on Digital Libraries.

Hang Cui, Min-Yen Kan and Tat-Seng Chua (2007) Soft Pattern Matching Models for Definitional Question Answering. *ACM Transactions on Information Systems*.

## Patents and Awards - ACM Distinguished Speakers Programme (2018-2021)

- ACM Vannevar Bush Best Paper Award from the Joint Conference on Digital Libraries 2013.

- "Method for partitioning natural language texts into topical, multi-paragraph segments" M. Kan, J. Klavans and K. McKeown, U.S. Patent 6,473,730, October 2002.

## Selected Grants - Co-PI, Course Suggestion for Career Planning: Evaluating Strategies to Support Lifelong Learning

(2018-2019; S\$161,280 from Singapore Workforce Development Agency

- PI, Mathematical Equation Indexing, Search and Retrieval (2007-2013; S\$ 39,500 from ARF grants)

- Co-PI, NExT Search Center (2010-2015; S\$ 6,100,000 from NRF grant)