

Min-Yen KAN



- Associate Professor, NUS School of Computing (2009-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 and science results easier to understand and disseminate.

Other Roles *ACL Ethics Co-Chair (Asia/Oceania; 2021–2026)*

Set direction and policies for appropriate ethical behavior for members and institutions working in the natural language processing and computational linguistics research areas.

Editor (ACL Anthology; 2008–2018)

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

Deputy Director (Research), NUS Institute for Application of Learning Science and Education Technology (ALSET; 2017–2019)

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

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

Science Partner – Entrepreneur First & Technical Adviser

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 Van-Hoang Nguyen, Kazunari Sugiyama, Preslav Nakov and Min-Yen Kan (2020) FANG: Leveraging Social Context for Fake News Detection Using Graph Representation. Proceedings of the ACM International Conference on Information and Knowledge Management (CIKM '20).

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.

Selected Awards - *Best Paper Award from the Conference on Information and Knowledge Management (ACM CIKM 2020)* - *ACM Distinguished Speakers Programme (2018–2021)* - *Winner of the Inaugural ACL Distinguished Service Award (DSA), 2018.*

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

