Title: Information Diversity Improves NLP Solutions

Abstract:
Most NLP solutions focus on fluency and information accuracy. However, content diversity plays a significant role in NLP applications such as commonsense reasoning, question answering, dialogue systems, and information retrieval. In this talk, I will present three novel NLP techniques that promote the diversity of knowledge graph paths, retrieved or generated contexts, and expanded queries to improve the performance of language models.

Bio:
Meng Jiang is an Associate Professor in the Department of Computer Science and Engineering at the University of Notre Dame. He received B.E. and PhD from Tsinghua University. He was a visiting scholar at CMU and a postdoc at UIUC. He is interested in data mining, machine learning, and natural language processing. His data science research focuses on graph and text data for applications such as question answering, user modeling, and recommender systems. He received the CAREER Award from the National Science Foundation. He has delivered 14 conference tutorials and organized seven workshops. He is a Senior Member of ACM and IEEE.