



FACULTY OF EDUCATION

INVITATION | PUBLIC LECTURE

The **Department of Mathematics, Science and Technology Education (MSTEd)** invites you to a **public lecture** presented by **Prof Jiliang Tang** from Michigan State University, USA.

A DECADE OF EVOLUTION IN AUTOMATIC GRADING: OPPORTUNITIES AND RISKS OF LLMS IN EDUCATION

Automatic grading (AG) has evolved dramatically over the past decade, from feature-based and deep learning approaches to today's large language model (LLM)-based systems. In this talk, drawing on a decade of research in AG, he will explore how LLMs are reshaping automatic grading and creating new opportunities for education. He will discuss their potential to provide flexible, interpretable, personalized, and interactive grading and feedback, while also examining key challenges, including reliability, fairness, transparency, teacher trust, and human oversight. More broadly, using AG as a lens, he will discuss the opportunities and risks of LLMs in education and consider how they can be responsibly integrated to support teaching and learning.

PRESENTER: Prof Jiliang Tang



Jiliang Tang is University Foundation Professor in the computer science and engineering department at **Michigan State University**. He got one early promotion to Associate Professor in 2021 and then a promotion to Full Professor (designated as MSU foundation professor) at 2022. Before that, he was a research scientist in Yahoo Research. He got his Ph.D. from Arizona State University in 2015 and MS and BE from Beijing Institute of Technology in 2010 and 2008, respectively. His research interests include graph machine learning, trustworthy AI, and their applications in Education and Biology. He authored the first comprehensive book "deep learning on graphs" with Cambridge University Press and developed various well-received open-sourced tools including scikit-feature for feature selection, DeepRobust for trustworthy AI and DANCE for single-cell analysis. He was the recipient of various career awards (2022 AI's 10 to Watch, 2022 IAPR J. K. AGGARWAL, 2022 SIAM SDM, 2021 IEEE ICDM, 2021 IEEE BigData Security, 2020 ACM SIGKDD, 2019 NSF), numerous industrial faculty awards (JP Morgan, Amazon, Microsoft, Cisco, Johnson&Johnson, Criteo Labs and SNAP), and 8 best paper awards (or runner-ups) including WSDM2018 and KDD2016. He serves as conference organizers (e.g., KDD, SIGIR, WSDM and SDM) and journal editors (e.g., TKDD, TKDE and TOIS). He has published his research in highly ranked journals and top conference proceedings, which have 60,000+ citations with h-index 115 and extensive media coverage.

Date: 8 September 2026 | Time: 17:00 - 18:30 (SAST) | MS Teams Link: Click [HERE](#) to join

Meeting ID: 348 486 928 317 103 | Passcode: nd6aa2is

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