AMA Seminar Series on Young Scholars in Optimization and Data Science

Dr. Shuxin Zheng,
Microsoft Research

Topic
Control the Risk for Misuse of AI in Science

Date| Time
1 February 2024 (Thursday) | 02:00pm – 03:00pm (HK Time)

Zoom
https://polyu.zoom.us/j/91824978203?pwd=M1IxbnFrUjJOWWV3bkFhMDFVbGxGZz09
Meeting ID: 918 2497 8203
Passcode: 0201

Abstract
The rapid expansion of Artificial Intelligence (AI) in scientific research brings both extraordinary opportunities and significant risks. Misuse of AI in science can lead to serious issues, such as the creation of harmful materials or bypassing regulations. This study emphasizes the importance of responsible AI use in scientific fields, detailing the risks through examples from chemical science. To mitigate these risks, we introduce SciGuard, a system to control AI misuse, and SciMT-Safety, a benchmark for evaluating system safety. SciGuard effectively minimizes harmful impacts while maintaining performance. We advocate for a joint, multidisciplinary effort to ensure AI's safe and ethical application in science, aiming to foster a balanced discussion among various stakeholders on the ethical use of AI.

ALL ARE WELCOME