

Keynote Speech 11 (14:00 to 14:45 HKT, 12th July 2024/D1-LP-02)

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Data-driven and AI-empowered knowledge discovery and education innovation

Abstract

The integration of AI in education heralds a transformative era where personalized learning is not a luxury but a standard. This talk explores the opportunities behind leveraging AI, especially Generative AI (GAI), to revolutionize educational practices. I will first explore how data-driven knowledge discovery reshapes education, labor market, and mental health. Then, I will discuss using GAI to enable tailored educational experiences in areas such as collaborative learning and vocational training. This presentation will unveil the potential of AI to create dynamic, responsive educational environments that inspire and prepare learners and educators for the challenges of tomorrow.

Biography

Professor Guandong Xu is the Chair Professor of Artificial Intelligence, the Director of University Research Facility of Data Science and Artificial intelligence, the Director of Learning, Teaching and Technology Centre at the Education University of Hong Kong. His research interests cover Artificial Intelligence, Data Science, Recommender Systems, User Modelling, and Social Computing. He has published three monographs in Springer and CRC press, and 220+ journal and conference papers, including TOIS, TKDD, TKDE, TNNLS, TCYB, TMM, TSE, TSC, TIFS, VLDB, IJCAI, AAAI, SIGKDD, SIGIR, CVPR, NIPS, WWW, WSDM, ICDM, ICDE, ICSE, and FSE conferences. He is the Editor-in-Chief of Human-centric Intelligent Systems and the assistant Editor-in-Chief of World Wide Web Journal. He has received several Awards from the academic and industry community. He is elevated as the Fellow of the Institute of Engineering and Technology (IET) and Australian Computer Society (ACS) in 2022 and 2021, respectively. He has been named the World's Top 2% Scientist by Stanford University since 2018.

