

Keynote 3: Learning Analytics in the Age of AI: Opportunities and Challenges

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Abstract

The unprecedented opportunities to collect data about learning and contexts in which learning occurs has attracted much attention in education. The use of techniques from artificial intelligence have offered much promise to address many relevant questions in education. The talk initially first outlines the major achievements in learning analytics and open research challenges. The talk will then discuss how learning analytics in the future can benefit from the developments in related fields that have strong roots in recent developments in artificial intelligence. The talk will use examples from numerous empirical studies that looked at self-regulated learning, learning strategy, problem solving in solo and group activities, and second language learning.

Speaker Biography

Dragan Gašević is Professor of Learning Analytics in the Department of Data Science and Artificial Intelligence of the Faculty of Information Technology and the Director of the Centre for Learning Analytics at Monash University. He is a founder and served as the President (2015-2017) of the Society for Learning Analytics Research (SoLAR). He has also held several honorary appointments in Asia, Australia, Europe, and North America. In 2019 and 2020, he was recognized as the national field leader in educational technology in The Australian's Research Magazine. He led the EU-funded SHEILA project that received the Best Research Project of the Year Award (2019) from the Association for Learning Technology. Dragan's research interests center around the development of computational methods that advance understanding of self-regulated and collaborative learning.

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