Intelligent Constructionist Software Environments for Learning and Teaching

George D. Magoulas
Professor & Director of Teaching Quality
Department of Computer Science and Information Systems
Birkbeck College, University of London, UK

August 2, 2019 (Friday)
12:45 – 14:00
Room 205, Runme Shaw Building, HKU
(Chair: Professor Maggie Wang)

Abstract
This talk will present research on the design and development of intelligent components for interactive learning environments that adopt constructionist learning. Intelligent components allow to seamlessly combine explicit knowledge representation with machine learning-based modelling in order to provide adaptation and user support. They can handle uncertainty, which is inherent in human-machine interaction, in order to personalise the user experience. The talk will cover architectural aspects, modelling techniques, and applications development using examples from research conducted over the past few years at the Knowledge Lab, Birkbeck College, University of London.

About the speaker
George D. Magoulas is Professor of Computer Science and Director of Teaching Quality in Birkbeck’s Department of Computer Science and Information Systems, and Co-Director of the Birkbeck Knowledge Lab at the University of London. He is Fellow of the Advance HE, and Member of the EPSRC College, UK. He held research and academic posts at the University of Athens and Brunel University before coming to Birkbeck in 2004. His research interests are in learning, adaptation and evolution in complex environments with applications in user modelling, temporal sequence processing, adaptive systems and personalised learning environments.

~ ALL ARE WELCOME ~

Please register at: https://hkuems1.hku.hk/hkuems/ec_regform.aspx?guest=Y&ueid=65538

For enquiries, please contact the Office of Research, Faculty of Education, HKU at 3917 8254.