



A design architecture for supporting collaborative interdisciplinary problem-based learning with ICTs

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November 23, 2017 (Thursday)
12:45 – 14:00
Room 205, Runme Shaw Building, HKU
(Chair: Dr Maggie Wang)

Abstract:

A conceptual framework for scaffolding interdisciplinary collaborative problem-based learning (ICPBL) will be presented and discussed at the seminar. This framework was developed based on the findings of my study and previous literature, in which the following questions were asked: 1) What kind of group dynamics emerge during the ICPBL process; (2) what processes did the interdisciplinary groups demonstrate? (3) what were the roles of technologies in supporting ICPBL? It is argued that team-based interdisciplinary problem-based learning should be designed and facilitated holistically as a system architecture instead of being treated as a piecemeal intervention.

About the speaker:

Xun Ge is Professor and Chair in the Department of Educational Psychology at the University of Oklahoma. She holds a PhD in Instructional Systems from the Pennsylvania State University. Her primary research interest involves scaffolding students' complex and ill-structured problem solving and self-regulated learning through designing instructional scaffolds, cognitive tools, learning technologies, and open learning environments (e.g., virtual learning community, game-based learning, inquiry-based learning, and problem-based learning). Currently, she is working with her collaborators from OU and Norman Public Schools on a project investigating the impact of guided inquiry design for makerspace, funded by Institute of Museum and Library Services. Professor Ge is a productive scholar, and her works have been published in 2 edited books, 17 book chapters, and about 50 journal articles, let alone over one hundred and conference presentations and proceedings. She is the recipient of three prestigious awards – 2012 Outstanding Journal Article, 2004 Outstanding Journal Article, and 2003 Young Scholar by American Educational Communications and Technology.



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