



Award Details

Adaptive platforms for personalized Web-based learning

Research Details

Competition Year:	2013	Fiscal Year:	2013-2014
Project Lead Name:	Gasevic, Dragan	Institution:	Athabasca University
Department:	Computing & Information Systems, School of	Province:	Alberta
Award Amount:	25,000	Installment:	1 - 1
Program:	Engage Grants Program	Selection Committee:	Prairie Internal Decision Committee
Research Subject:	Information technology	Area of Application:	Health, education and social services
Co-Researchers:	No Co-Researcher	Partners:	Knowillage Inc.

Award Summary

With the constant rise of the use of technology in learning education, more and more students are relying on learning software/systems to make use of open educational repositories or take part in massive open online courses. Typically, in such systems, learners are exposed to an overload of information where they need to find information sources on their own. However, not all students are versed in information seeking/studying tactics, or have strong learning skills to build optimal learning paths. This brings attention to the great challenge of producing software platforms that facilitate learning for each and every learner by offering them a personalized and optimized learning experience. Building on the principles of technology-enhanced learning, semantic technologies and learning analytics, we will investigate and propose design principles and acceptance factors for optimizing personalized learning experience in adaptive online learning systems. In particular, the anticipated outcomes of this six-month industry collaboration project are as follows: 1) Principles for designing and configuration of personalized learning platforms; 2) A technology acceptance model for personalized learning platforms; and 3) Transfer of research results to the industry partner in order to validate and calibrate their existing research and inform their future research and development activities.