

Editorial

Sabine Graf and Charalampos Karagiannidis, Co-Editors

Welcome to the Bulletin of the IEEE Technical Committee on Learning Technology, Volume 16, Number 2/3, July/October 2014 issue. This issue includes five articles on diverse topics on learning technologies.

The first two papers are on the topic of sensor-based learning support and technologies. The first paper, written by Marcus Specht, introduces the area of sensor-based learning support and technologies, discusses examples and structures of typical learning technologies using sensor-based learning and point out key challenges and open research questions. In the second article, Schneider, Börner, van Rosmalen and Specht present a system, Presentation Trainer, that uses sensors to analyse body language and voice for providing immediate feedback to learners to improve their presentation skills. A user test has been performed with 6 participants, showing that the Presentation Trainer is robust enough for comprehensive evaluation studies and that participants were enthusiastic about the tool.

The third paper, written by Eom, investigates learners' satisfaction with learning management systems. In particular, learner satisfaction was analysed in context of information quality, self-regulated learning, self-efficiency and readiness for online learning. A study with 633 participants was conducted. As a results, authors found that only information quality and readiness for online learning impact learner satisfaction.

In the fourth paper, Ebner and Schön present their research on open educational resources. The authors introduce the Open Textbook project "L3T" where an open access textbook on Technology Enhanced Learning was written with about 200 people contributing to the textbook. In order to facilitate this process, Open Journal Systems was used and a plugin for Open Journal Systems was created to support access of the textbook through mobile devices. The paper discusses the process of creating such textbook as open educational

resource as well as the technical challenges faced in this project.

In the fifth paper, Molnar investigates the use of mobile devices for learning. A survey study has been performed with 83 participants, aiming at better understanding the use of mobile phones for educational purposes. In particular, four aspects have been investigated: (1) the use of Internet via mobile phones, (2) the ability of functionality to use different media type, (3) the preferred media types used, and (4) the use of mobile phones for learning. Interesting results were found from this survey. For example, it was found that 30% of the participants already use their mobile phones for learning.

We sincerely hope that the issue will help in keeping you abreast of the current research and developments in Learning Technology. We also would like to take the opportunity to invite you to contribute your own work in this Bulletin, if you are involved in research and/or implementation of any aspect of advanced learning technology. For more details, please refer to the author guidelines at <http://www.ieeectlt.org/content/authors-guidelines>.

Special theme of the next issue:

eLearning and Linked Open Data

Guest editors:

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Deadline for submission of articles:

December 15, 2014

Articles that are not in the area of the special theme are most welcome as well and will be published in the regular article section.