

# Editorial

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Welcome to the Bulletin of the IEEE Technical Committee on Learning Technology, Volume 15, Number 4, October 2013 issue. This issue includes two sections: the first section focuses on topics related to **e-learning at the workplace** and consists of five articles discussing cutting-edge research on this topic. The second section is a regular articles section and includes one regular article.

The first section starts with an article written by Edinger, Reimer, and van der Vlies. The article deals with e-learning for supporting teachers in further education. Two comprehensive empirical studies have been conducted, investigating issues such as requirements for e-learning tools, the use of tablets, and demands on the teaching and learning settings for teachers in further education.

In the second article, Ally, Samaka, Ismail, and Impagliazzo report on a study where a mobile app was used to train workers on communication skills. Quantitative and qualitative data were gathered and analyzed, showing as a result that workers enjoyed the flexibility of a mobile app for learning and the post-test indicated high level achievements.

In the third article, Di Valentin, Hegmans, Emrich, Werth and Loos present a domain ontology and a conceptual design of a system which uses this ontology to support users to learn social media skills in the workplace. The proposed tool aims at recommending media contents as well as other users who can be contacted for help.

The fourth article, written by Soualah Alila, Mendes and Nicolle, presents another system for workplace e-learning. The proposed system supports adaptive context-aware learning in industrial training settings, using semantic modelling of the learning content and the learning context.

The fifth article, written by Caudill, provides an overview of how to design successful e-learning initiative at the workplace. The paper discusses issues related to need assessment, content development, media development, testing, production, and assessment, focusing on the requirements and characteristics of workplace e-learning.

In the regular article section, an article, written by Vallance, Yamamoto, Goto and Ibayashi, introduces a new metric for robot task complexity. This new metric, called task fidelity, is based on tasks involving student interactions to program robots collaboratively to solve problems.

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.ieeetclt.org/content/authors-guidelines>.

Special theme of the next issue: *cloud-based learning and assessment*

Deadline for submission of articles: *Feb. 7, 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.