



Proceedings of the 7th Workshop on Awareness and Reflection in Technology Enhanced Learning

In conjunction with the 12th European Conference on Technology
Enhanced Learning: Data Driven Approaches in Digital Education

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Awareness and Reflection in Technology Enhanced Learning – ARTEL 2017

Awareness and reflection are viewed differently across the disciplines informing Technology-Enhanced Learning (psychology, educational sciences, computer science, CSCW and others). The ARTEL workshop series brings together researchers and professionals from different backgrounds to provide a forum for discussing the multi-faceted area of these topics. This edition was already the 7th in the series.

At the ARTEL 2017 workshop, we structured discussion and presentation along the following sessions:

Learning Analytics

Alicja Piotrkowicz, Vania Dimitrova, Tamsin Treasure-Jones, Alisdair Smithies, Pat Harkin, Jane Kirby and Trudie Roberts. Quantified Self Analytics Tools for Self-regulated Learning with myPAL

Mathieu D'Aquin, Alessandro Adamou, Stefan Dietze, Besnik Fetahu, Ujwal Gadiraju, Ilire Hasani-Mavriqi, Peter Holtz, Joachim Kimmerle, Dominik Kowald, Elisabeth Lex, Susana Lopez Sola, Ricardo Maturana, Vedran Sabol, Pinelopi Troullinou and Eduardo Veas. Towards Measuring Online Activities Contributions to Self-directed Learning

Reflection Interventions in Workplace Settings

Angela Fessler, Viktoria Pammer, Michael Wiese and Stefan Thalmann. Improving Search Strategies of Auditors – A Focus Group on Reflection Interventions

Milos Kravcik, Carsten Ullrich and Christoph Igel. Supporting Awareness and Reflection in Companies to Move towards Industry 4.0

Francesca Dagnino, Francesca Pozzi, Donatella Persico, Flavio Manganello and Andrea Ceregini. Supporting teachers' self-reflection and professional development with gamification

Impact on Learning

Tom Broos, Laurie Peeters, Katrien Verbert, Carolien Van Soom, Greet Langie and Tinne De Laet. Dashboard for Actionable Feedback on Learning Skills: How Learner Profile Affects Use

Svenja Neitzel, Christoph Rensing and Henrik Bellhäuser. Concept, Design and First Evaluation of a Mobile Learning Diary Application with Access to a Learning Record Store

Through the previous ARTEL workshops at EC-TEL (2011-2016) the topic has gained maturity and questions addresses are converging towards the usage of awareness and reflection in practice, its implementation in modern organisations, its impact on learners as well as feasibility and sustainability of awareness and reflection in education and work.

This was also reflected by the high maturity of submitted papers and the lively and in-depth discussions at the workshop itself. Many themes were discussed, but one salient theme that recurred was that of understanding reflection as an on-going conversation (and even if it is with oneself) rather than as a “once-and-for-all-quick-action”. Another important theme was the relevance of identifying and setting goals and understanding that goals come in different perspectives, forming a hierarchy of goals where some are of a longer-term nature than others. A third relevant theme was that of providing scaffolding for reflection, including the question of when to fade-out scaffolding such as not to paralyse the intention of helping learners become self-directed learners, together with the question of how to set-up comparisons that motivate rather than depress.

We especially would like to thank the members of the programme committee for their invaluable work in scoping and promoting the workshop and quality assuring the contributions with their peer reviews.

Viktoria Pammer-Schindler, Milos Kravcik, Michael Prilla, Alexander Mikroyannidis Europe, November 2017

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