

Orchestration of Outcome-based Technology Enhanced Learning Opportunities in ICOPER

Workshop Proposal for JTEL Summer School 2010

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The design of technology enhanced learning (TEL) opportunities requires consideration of a wide array of options, constraints and requirements: it needs to orchestrate teaching and learning activities, assessment, and learning objects, while aiming at a set of intended learning outcomes. One current thread of work in the ICOPER Best Practice Network (<http://icoper.org>) aims at providing the conceptual and technical infrastructure to store, access, retrieve and connect those learning resources for TEL planning and delivery. Our outcome-based and standards-based learning approach is being developed into several existing learning environments that exploit this infrastructure.

In this workshop the learners will receive an introduction to key concepts, standards and specifications in outcome-based education from the perspective of planning (design-time) and delivery (run-time). They will use and evaluate cutting-edge tools and approaches to design and deliver learning activities and resources using the Open ICOPER Content Space, which offers a rich repository of educational resources including learning outcomes, teaching methods, units of learning, as well as learners' and teachers' outcome profiles.

Bios: Michael, Jad, and Anh Vu hold PhDs in computer science from the University of Vienna, Katholieke Universiteit Leuven, and Swiss Federal Institute of Technology (EPFL) Lausanne, respectively. The researchers are currently engaged in work related to outcome-based education, instructional modeling, and evaluation in the eContentplus Best Practice Network "ICOPER" (<http://icoper.org>).