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Modeling ill-defined domains using activity theory for semantic augmentation of the social web

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ABSTRACT

Technology enhanced learning is an important aspect of adult learning. However, often the “real-world” context may not be represented adequately, particularly in ill-defined contexts such as organizational settings and interpersonal interactions. To enhance the learning environment, this project aims to develop a novel methodology to link the real and simulated experience. The social web, where there is an abundance real world “digital traces”, will be used to incorporate the real-world context into the TEL environment. Activity theory, which has been extensively used in the development of information systems and by the human computer interaction community, is used to develop a conceptual model from which an Activity Model Ontology (AMOn) is created. AMOn is used for semantic augmentation of digital traces drawn upon in a TEL system.