

Computer Support for Collaborative Learning 2003

Designing for Change in Networked Learning Environments

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Networked Learning Environment for Project Management Information Systems

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Author: *Cristina V. NICULESCU*

Abstract

The convergence of the tendencies evolving on the technology and education realm is represented by the fusion of the activities implied in *knowledge management, learning and performance*.

The purpose of our work is to design a CSCL system for assisting groups of stakeholders in project management activities. The system implements a part of the socio-technological model of PMIS and at the same time it is a virtual support for team members' collaboration in accomplishing a task of a project.

Our system is a virtual discussion forum, with a social infrastructure (*social proxy*), allowing users to retrieve information from the ongoing and the finished projects of their organization. The *social proxy* module has the role of mutual awareness and responsibility. Therefore, it is easier to discuss coherently, to watch and imitate other persons' actions, to conform to social conventions and to engage in other collective interaction forms.

Designing our pilot cooperative e-learning system for managing projects takes into account the flexibility and scalability features of the knowledge management system architecture, allowing integrating new elements later. Using our system gives the possibility of new knowledge – innovative solutions in unpredictable situations, provided by the human and social factors. Therefore, KM is seen as a cyclic process of the three correlated activities: *creating, integrating* and *dissemination* of knowledge.

Keywords

CSCL (*Computer Supported Collaborative Learning*), social translucence, social proxy, Knowledge Work Management, PMIS (*Project Management Information System*), KM (*Knowledge Management*), XML (*Extensible Markup Language*).