Name: PERSONAL. Personalization in e-learning environments.

Knowledge area description:
This research group focuses on the study of user behavior in virtual learning environments, with the aim of providing adaptive systems, taking into account all the aspects related to the learning process: instructional design, learning resources, user behavior analysis, usability, accessibility and human computer interaction issues.

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Selected list of publications:

- **Journal Articles**

FERRAN, N. MOR, E. MINGUILLÓN, J. (2005) "Towards personalization in digital libraries through ontologies", *Library Management,* vol. 26(4), pp. 206-217.

SICILIA, M.A. LYTRAS, M. RODRÍGUEZ, E. GARCÍA-BARRIOCANAL, E. (2006) "Integrating descriptions of knowledge management learning activities into large ontological structures: A case study" *Data and Knowledge Engineering,* vol. 57(2), pp. 111-121.

- **Book Chapters**

CARBÓ, J.M., MOR, E., MINGUILLÓN, J. (2005) User navigational behavior in e-learning virtual environments. *Proceedings of the acm international conference on web intelligence*, pp. 243-249.

GUERRERO-ROLDAN, A.E., MINGUILLÓN, J. (2006) metadata for describing educational competences: the uoc case. *Proceedings of the 3rd international conference on web information systems and technologies*, pp. 275-280.

GUERRERO-ROLDAN, A.E., MOR, E., MINGUILLÓN, J. (2006) From contents to competences through learning design: the case of data mining. *Proceedings of the eden 2006 annual conference*, pp. 365-370, 2006

MOR, E., MINGUILLÓN, J. (2003) An empirical evaluation of classifier combination schemes for predicting user navigational behavior. *Proceedings of the international conference on information technology: coding and computing itcc'2003*, pp. 467-471.

MOR, E. MINGUILLÓN, J. (2004) E-learning Personalization based on Itineraries and Long-term Navigational Behavior. *Proceedings of the Thirteenth World Wide Web Conference,* vol. 2, pp. 264-265.

MOR, E., MINGUILLÓN, J., CARBÓ, J.M. (2006) Analysis of User Navigational Behavior for E-Learning Personalization in ROMERO C. & VENTURA S. (Eds.) *Data Mining in E-Learning*, pp. 227-246, WIT Press.

PASCUAL, M. FERRAN, N. MINGUILLÓN, J. (2006) Integration of Multimedia Content and E-Learning Resources in a Digital Library. *Proceedings of the IST/SPIE Electronic Imaging 2006 Symposium*, vol. 6061.

SANGRÀ, A. GUÀRDIA, L. GONZALEZ-SANMAMED, M. (2006) "Educational design as a key issue in planning for quality improvement" Making the Transition to E-Learning: Strategies and Issues.

Current Projects

Project name	Funding Program
INNOVALAB	(DURSI, Centres de Recerca Programa CRIS)
Open e-Learning Content Observatory Services (OLCOS)	E-learning (EU)
Cas studies in virtual learning environments; a methodological resource for competences acquisition	MQD Generalitat de Catalunya