

Educational Technology & Society (ETS)
Journal of International Forum of Educational Technology & Society and
IEEE Learning Technology Task Force

Announces a Special Issue on

Ontologies and the Semantic Web for E-learning

Call for Papers

The *Semantic Web* is the emerging landscape of new web technologies aiming at web-based information and services that would be understandable and reusable by both humans and machines. We argue that *Ontologies*, generally defined as a representation of a shared conceptualization of a particular domain, is a major component of the Semantic Web. It is anticipated that Ontologies and Semantic Web technologies will influence the next generation of e-learning systems and applications.

To this end, key developments such as

- *formal taxonomies* expressed, e.g., with the help of the web ontology languages RDFS and OWL, and
- *rules* expressed, e.g., with the help of the web rule language RuleML, and

are expected to play a key role in enabling the representation and the dynamic construction of shared and reusable learning content.

The aim of this special issue is to explore topics related with the new opportunities for e-learning created by the advent of Ontologies and the Semantic Web. We aim at a balanced composition of conceptual, technological and system evaluation work and invite submissions dealing with the following topics:

- Ontologies for e-learning systems
- RDFS/OWL-based educational metadata languages and technologies
- Architectures for ontology-based e-learning systems
- Rules and formal logic for e-learning systems
- Semantic web services for e-learning systems
- Supporting personalized and adaptive e-learning with Semantic Web technologies
- Supporting flexible e-learning systems with Semantic Web technologies
- Innovative Case Studies

Although this list of topics is not intended to be exclusive, authors are strongly encouraged to submit original manuscripts that are related to one or more of the above issues.

Full-length articles in MS-Word format are to be e-mailed to **Prof Demetrios G Sampson** at **Sampson@iti.gr** no later than **December 15, 2003**. All manuscripts will be subject to the usual high standards of peer review at ETS Journal. Each paper will undergo double blind review.

IMPORTANT DATES

- **15th December, 2003, Submission Date**
- **15th March, 2004, Notification of Acceptance**
- **15th April, 2004, Final Papers Submission for Publication**
- **October 2004, Publication**

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