

## eMadrid Seminar on “Open e-Learning Standards”

**Distance Learning University (UNED)**

**Friday, 12nd April 2011**

**Organizes: eMadrid Net**

Next Tuesday, 12nd April, a seminar on “Open e-Learning Standards” will have place in Madrid at the Spanish National Distance Learning University, UNED.

**eMadrid** is a I+D program between Madrid research groups working on “Research and Development of Technology-Enhanced Learning”. It is coordinated by the Carlos III University of Madrid and composed by the Autónoma University, Complutense University, Politécnica University, King Juan Carlos University of Madrid and the Distance Learning University UNED.

The different talks schedule is as follows:

**15:00–15:45**

**Israel Gutiérrez (UC3M):**

*“Outcome-based assessment standards and specifications”*

**15:45–16:30**

**Miguel Rodríguez Artacho (UNED):**

*“Authoring of educational material based using instructional layers and instructional queries”*

**16:30–17:15**

**Christian M. Stracke (UDE-KNOU):**

*“European and international innovation, standardization and trends in Learning, Education and Training”*

### **Where?**

Distance Learning University (UNED)

Ciudad Universitaria Campus

Assembly hall of the Psychology Faculty

C/ Juan del Rosal, 10. 28040 Madrid



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## How to get there?

Detailed information: <http://bit.ly/cQOME0>

- Subway and bus: From the subway station of "Ciudad Universitaria" (Line 6) you can either walk (1.8 km towards northwest) or take the "U" bus and get off at the last stop "Facultades UNED" (end of the line).
- By car: from the M-30 ring-road (clockwise) take A-6 and then exit by C/ Sinesio Delgado and get in the University Area (from the north by the CIEMAT). Passing the roundabout take the first to the right and at the end take another right until you get to the "ETSI Informática" (UNED).



eMadrid  
www.emadridnet.org



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www.madrid.org

## **Summary of talks**

### ***1. Outcome-based assessment standards and specifications***

The adoption of the European Space of Higher Education leads to a series of challenges for the teaching staff at the University, among them, the adaptation of the existing courses to the new rules. The usage of standards in the authoring of e-learning content makes this task easier; concretely, the assessment resources should be adapted in order to address the intended learning outcomes of the course, and the outcome-based assessment standards could be a critical tool used to accomplish this difficult task.

In this session the current state of the outcome-based assessment standards and specifications will be presented. At the beginning, we will introduce the advantages of using standards in the e-learning context, and an analysis of the assessment standards and specifications will be presented. After that, a practical use case will be introduced and a set of recommendations of the usage of standards and specifications will be presented, addressing higher education management and faculty. These recommendations are the outcomes of the ICOPER project (Interoperable Content for Performance in a Competency-driven Society, <http://icoper.org>).

### ***2. Authoring of educational material based using instructional layers and instructional queries***

In the context of the authoring process of educational material in e-learning, the notion of learning specification has been considered the fundamental step for the development of an e-learning industry, based on reusability and interoperability of interchangeable components. However, when considering authoring based on instructional and pedagogical aspects, we need to avoid being driven by LT specifications, and rely on an abstract reference model based on instructional semantics and semantic-aware learning content retrieval functionality.

### ***3. European and international innovation, standardization and trends in Learning, Education and Training***

The speech will summarize the current situation concerning innovation and standardization in Learning, Education and Training: Many new concepts and standards are evolving and published during the last months leading to a confusing and uncertain situation. The presentation will try to provide a guideline through the unclear landscape and highlight the major and most important outcomes and instruments. Finally future prospects will be given on the trends in learning innovation and standardization.



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## Keynote Presenters' Biographies

### **Israel Gutiérrez (UC3M)**

Israel Gutiérrez is research assistant, associate teacher and PhD student in the Telematics Department of the University Carlos III of Madrid. He got the Telecommunication Engineer degree (specialized in communication systems and networks) issued by University Carlos III of Madrid in 2007, and the Interuniversity Master in Telematic Engineering issued by the same University and the Polytechnic University of Catalonia in 2009. After working several years in the private sector in projects related to the innovation in the web, in 2009 he started working in the European ICOPER project (eContent Plus program) which objective is to develop best practices in the usage of competence-oriented standards in e-learning, concretely in the assessment process.

### **Miguel Rodríguez Artacho (UNED)**

Miguel Rodríguez Artacho (Ph. D.) is researcher and assistant professor at UNED University, Spain. He is a member of the Learning Technologies and Cooperative Systems group (LTCS group <http://ltcs.uned.es>) at LSI Department. Main research focuses on the development of learning content specifications to model individual and collaborative learning processes, learning resources and tools. Since 1999 actively participates in Learning Technology standardization groups like CEN-LTWS, ISO-JTC1/SC36 and others and currently co-holds the technical secretariat of Spanish e-learning standardization body AEN/JTC1/SC36. He has been invited panelist of LT related conferences and has several publications concerning educational content modeling and collaborative learning environments.

### **Christian M. Stracke (UDE-KNOU)**

Christian M. Stracke is Assistant Professor at the University of Duisburg-Essen (UDE), Institute for Computer Science and Business Information Systems and Adjunct Professor at the Korea National Open University (KNOU) in Seoul. He has studied Educational Sciences and is working his whole research and business life in the fields of technology enhanced learning combining pedagogical, technical, and economical expertise. He studied Educational Sciences (M.A.) at the University of Bonn and he is currently writing his PhD thesis about the implementation and the benefits of continuous quality development and standardisation for E-Learning at the University of Duisburg-Essen. His main research interests and activities are quality and standards in e-learning; quality management and competencies in education and HR; development cooperation; international and intercultural e-learning and capacity building; convergence of knowledge management and e-learning; strategies, change management, and controlling for learning processes.



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