WELCOME INTRODUCTION

Dear INTED2011 participants,

INTED, being in its 5th edition, is a key annual networking event for the sector of technology, education and development, attracting and bringing together experts in education from around the world.

INTED2011 has once again emerged as a large international platform for exchanging ideas and experiences. Experts and academics presenting at this conference will share with you their most up-to-date and practical information on education and learning innovations.

In 54 parallel sessions, delegates will discuss the latest trends and developments in education and ICT supported learning. More than 410 oral presentations, 125 posters and 600 attendants from 65 countries will contribute to this intensive program.

This is an excellent opportunity to acquire skills and inspire yourself by learning from experiences and innovative approaches in education. We invite you to participate in INTED2011 and take the best of its presentations and specific sessions, discussions and debates, as well as the posters exhibition throughout the two-day conference.

In addition, we also wish you enjoy your stay in Valencia. Having a heritage of over two thousand years of history, Valencia offers a wide range of monuments and cultural places to visit, being as well a very modern city. Its culture, cuisine and art tradition along with its location on the Mediterranean coast and its pleasant climate make this city an ideal setting to enjoy during your stay.

We thank all of our participants for attending this event and making it a unique place to learn and discuss about Education and Technology.

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CONFERENCE SESSIONS

ORAL SESSIONS, 7th March 2011.

Enhancing learning and the undergraduate experience (I)
Educational Software and Serious Games
International Projects (I)
University-Industry Collaboration
Technology-Enhanced Learning in Engineering Education
Experiences and Research in Arts & Humanities Education
Enhancing learning and the undergraduate experience (II)
Computer Supported Collaborative Work
International Projects (II)
Experiences in Business Adm. & Economics Education
Experiences in Architecture & Urban Planning Education
Pedagogical & Didactical Innovations in Foreign Languages Education
Pedagogical & Didactical Innovations. Learning and Teaching Methodologies (I)
E-content Management and Development (I)
E-learning & blended learning (I)
New Trends in Business Adm. & Economics Education
Experiences in Engineering Education (I)
Experiences & Research in Foreign Languages Education
Pedagogical & Didactical Innovations. Learning and Teaching Methodologies (II)
E-content Management and Development (II)
E-learning & blended learning (II)
Pedagogical & Didactical Innovations in Business Adm. & Economics
Experiences in Engineering Education (II)
General Issues. Education and Globalization

POSTER SESSIONS, 7th March 2011.

Poster Session1. Technological Issues in Education and E-content Management
ORAL SESSIONS, 8th March 2011.

Pedagogical & Didactical Innovations. Collaborative and Problem-based Learning
Technological Issues in Education
Virtual Universities
Curriculum Design and Innovation. Strategies, Principles and Challenges
Experiences & Research in Primary & Secondary Education
Experiences and Research in Life & Health Sciences Education (I)
Experiences in Education. Vocational Training & Lifelong Learning
Technology-Enhanced Learning (I)
ICT skills and competencies among teachers
Curriculum Design and Innovation. New Experiences for Curriculum Design (I)
Technological Issues in Primary & Secondary Education
Experiences and Research in Life & Health Sciences Education (II)
New challenges for the Higher Education Area (I)
Technology-Enhanced Learning (II)
Research in Education. Links between Education and Research
Curriculum Design and Innovation. New Experiences for Curriculum Design (II)
Pedagogical & Didactical Innovations in Primary & Secondary Education
General Issues. Impact of Education on Development
New challenges for the Higher Education Area (II)
Experiences in Education. New projects and innovations (I)
Experiences in Education. Student Support in Education
Quality assurance in Education
Learning Experiences in Primary & Secondary School (I)
General Issues. Barriers to Learning (e.g.: age, psychosocial factors, ethnicity...)
New Trends in the Higher Education Area
Experiences in Education. New projects and innovations (II)
Research on Technology in Education
Experiences in Research in Education
Learning Experiences in Primary & Secondary School (II)
General Issues

POSTER SESSIONS, 8th March 2011.

Poster Session1. Experiences in Education and Research
Poster Session2. Pedagogical & Didactical Innovations and Curriculum Design
VIRTUAL SESSIONS

Computer Supported Collaborative Work  
Curriculum Design and Innovation  
E-content Management and Development  
Educational Software and Serious Games  
Experiences in Education. Competence Evaluation  
Experiences in Education. Enhancing learning and the undergraduate experience  
Experiences in Education. Learning Experiences in Primary and Secondary School  
Experiences in Education. Lifelong Learning  
Experiences in Education. New projects and innovations  
Experiences in Education. Student Support in Education  
Experiences in Education. Vocational Training  
General Issues. Barriers to Learning (e.g.: age, psychosocial factors, ethnicity…)  
General Issues. Digital divide and access to internet  
General Issues. Diversity issues and women and minorities in science and technology  
General Issues. Education and Globalization  
General Issues. Organizational, legal and financial issues  
International Projects  
New Trends in the Higher Education Area. ECTS and Erasmus experiences  
Pedagogical & Didactical Innovations. Evaluation and Assessment of Student Learning  
Pedagogical & Didactical Innovations. Language Learning Innovations  
Pedagogical & Didactical Innovations. Learning and Teaching Methodologies  
Pedagogical & Didactical Innovations. Learning space design  
Pedagogical & Didactical Innovations. Tutoring and Coaching  
Quality assurance in Education  
Research in Education. Experiences in Research in Education  
Research in Education. Links between Education and Research  
Research in Education. Research on Technology in Education  
Technological Issues in Education. Blended Learning  
Technological Issues in Education. E-learning  
Technological Issues in Education. Mobile learning  
Technological Issues in Education. Technology-Enhanced Learning  
University-Industry Collaboration  
Virtual Universities
Abstract

In the current academic year, the widespread implementation of the new degrees in the Spanish higher education has brought about the development and application of new methodologies with the aim of trying to improve the way students learn. In order to promote scientific interest of the students and to help in the improvement of the teaching-learning process of physics, we have scheduled plan blended learning labs.

A lab practice that deals with magnetic fields, in which the concepts specified in the theoretical sessions are treated and observed, is proposed to students. They have to prepare and develop this practice by themselves. In order to assist students in this phase, a web page indicating those previous steps has been developed using the eLearning XHTML editor (eXe). It is an a freely available Open Source authoring application to assist teachers and academics in the design, development and publishing of web-based learning and teaching materials without the need to become proficient in HTML or complicated web-publishing applications. Once this phase is finished, students proceed to the assembly and conduct of the practice session and, finally, the student must show all his colleagues the results.

Although time and resources has been limited (first quarter of current year and just one practice), results have been very encouraging. We have performed test understanding of concepts studied, resulting in a significant improvement compared to usual method of working within laboratories. Also, is detected as remarkable fact that the students observed conjunction between the theoretical and practical classes.

Keywords: Blended learning, Magnetic field, eXe, laboratory practice.