

PRELIMINARY PROGRAM

Registration can be done throughout the conference time (from 8:30 to 17:30)

Wednesday, June 17, 2009

8:30 - Registration

9:00 – 9:10 Welcome Speech

9:10 – 10:15

Session: Applications

Chair: Atma Sahu

	A VIRTUAL TRAINING CENTRE FOR SHOE DESIGN	M. Sahin, A. Mihai, S. Yaldiz, A. Dragomir
	BLOW-MOLDED PLASTIC TUBE DEFECT DETECTION USING A SINGLE UNCALIBRATED CAMERA	Luis Unzueta, Javier Barandiaran, Álvaro Segura
	REGRESSION BASED NEURAL NETWORK FOR STUDYING THE VIBRATION CONTROL OF THE ROTOR BLADE FOR MICRO-UNMANNED HELICOPTER	Atma Sahu, S. Chakraverty
	EMBEDDED ENTREPRENEURSHIP IN ACADEMIC EDUCATION: THE SOFTENTREPRISE PROGRAM	Frank Gielen, Bart Clarysse, Inge Lambrecht
	ANALYSIS OF AN ULTRASOUND APPLICATION IN POINTS OF ACUPUNCTURE AS TREATMENT OF CHRONIC LOW BACK PAIN	Yolanda Ruiz, Javier Bilbao, Ana Marañón, Koldo Galarza, María Cruz Peña, Melba Martín

10:15 – 10:45: Coffee Break

10:45 – 13:00

Session: Innovation in Education I

Chair: Kevin Burr

	INNOVATIVE CURRICULUM DESIGN FOR A STUDENT DRIVEN COURSE DEVELOPMENT PROCESS IN SUSTAINABLE BUILDING/BIM: A CASE STUDY	Kevin L. Burr, Ed.D
	INTEGRATION OF NANOTECHNOLOGY INTO A "COMPOSITE MATERIALS" COURSE FOR CIVIL AND CHEMICAL ENGINEERING STUDENTS	Manoli Zubitur, Milagros Cortázar
	IMPROVING SELF-ESTEEM IN ENGINEERING STUDENTS WHO HAVE FAILING AS STUDENTS	Víctor Cabrera Alvarez
	THE USE OF THE PACKAGE "MATHEMATICA" IN TEACHING OF MATHEMATICS IN RIGA TECHNICAL UNIVERSITY	Ilona Dzenite, Inta Volodko
	USING ELECTRONIC REFLECTIONS TO HELP MATHEMATICS STUDENTS LEARN TO COMMUNICATE MATHEMATICALLY	Adele M. Miller
	A GENERALIZED SIGNALS & SYSTEMS THEORY AND AN ASSOCIATED SOFTWARE TOOL	Emilio Gago-Ribas, Sara Menéndez García, Moisés Colunga Nachón
	TEACHING HOW TO BUILD AND USE SIMULATION MODELS TO MANAGEMENT ENGINEERING STUDENTS	Jose M. Sarriegi, Alberto Conde Mellado

----- Lunch time -----

15:30 – 17:30

Session: Innovation in Education II

Chair: Constancio Aguirre

	DEVELOPMENT OF SOFTWARE FOR INTERFERENCE AND OPTICAL DIFFRACTION ANALYSIS BASED ON FDTD	Jorge Francés, Manuel Perez-Molina, Elena Fernandez, Cristian Neipp
	RESOURCES FOR THE COMPREHENSION OF SCALES AND ORDERS OF MAGNITUDES IN SCIENCE	Constancio Aguirre
	THE DISSERTATION DELIVERY DECALOGUE: 10 TIPS FOR A BETTER THESIS PRESENTATION	Gonzalo Alvarez, Igor Campillo
	GOOD PRACTICES IN E-LEARNING TO IMPROVE THE SUCCESS IN HIGHER EDUCATION	Lina García-Cabrera, Pedro Sánchez-Sánchez, Luis Martínez-López
	EMPIRICAL APPROACH TO UNIVERSITY STUDENT ABSENTEEISM. STUDY ON THE SCHOOL OF BUSINESS AND ECONOMY	Xavier M Triadó, Pilar Aparicio, Joan Guàrdia, Natalia Jaría
	ANALYSIS OF TYPES OF ERRORS MADE BY STUDENTS OF THE SUBJECT OF LINEAR ALGEBRA OF FIRST YEAR OF INDUSTRIAL ENGINEERING	Izaskun Baro, Javier Bilbao, Felipe Jiménez, Julián Maia

Thursday, June 18, 2009

9:00 – 10:30

Session: Simulation, Optimization and Modeling

Chair: David Prieto

	DESIGN AND DEVELOPMENT OF A DOMAIN-SPECIFIC SIMULATION FRAMEWORK FOR SUPPORTING THE DESIGN AND VALIDATION OF PRACTICAL CONTROL SOLUTIONS FOR WWTP	David Prieto, Jesús Zambrano, Janelcy Alferes, Ion Irizar
	POWER FLOW ORIENTED MODELLING – A MODERN METHOD FOR TEACHING MODELLING OF DYNAMICAL SYSTEMS	Gert-Helge Geitner, Güven Kömürçöz
	AN EVOLVING GENETIC ALGORITHM FOR NEURAL NETWORK TRAINING	Xabier Osorio, Vicente Gómez, Eloy Irigoyen
	KNOWLEDGE MANAGEMENT AND VIRTUAL DESKTOP	Carlos León de Mora, Juan Camarillo Casado
	IN SEARCH OF ACADEMIC SUCCESS INDICATORS: AN ANALYSIS FROM THE STUDENTS' PERCEPTIONS ABOUT QUALITY OF EDUCATION	Marília Cid, Hugo Rebelo Manuela M. Oliveira Margarida Saraiva, Jorge Bonito
	TECHNOLOGY STRATEGY IN IRANIAN NANOTECHNOLOGY-BASED COMPANIES	Mahdieh Farazkish, Sepehr Ghazinoory

10:30 – 11:00: Coffee Break

11:00 – 13:00

Session: Technology in Education I

Chair: Antonio Martín

	ONTOLOGY AND ARTIFICIAL INTELLIGENT FOR EFFICIENT KNOWLEDGE RETRIEVAL	Antonio Martín
	AN INTRODUCTION TO PROGRAMMING MADE EXCITING AND INVITING FOR NON-MAJORS	Irena Pevac
	IMPLEMENTATION OF SIMULATION SOFTWARE FOR SELF-DIRECTED LEARNING IN MANUFACTURING TECHNOLOGIES	A. Celaya, N. Ortega, S. Plaza, J.A. Sanchez, L.N. Lopez de Lacalle
	PROCEEDINGS OF A FINAL SURVEY ON A PARTICULAR ECTS IMPLEMENTATION PROCESS FOR HIGHER EDUCATION AT THE UNIVERSITY OF THE BASQUE COUNTRY	Jesús M. Blanco, Francisco Peña
	AUTOMATIC WEB-BASED EVALUATOR FOR C-PROGRAMMING EXERCISES IN AN ENGINEERING COURSE	M. López-Martínez, F. Gómez-Estern, D. Muñoz de la Peña
	CLIL ENHANCED THROUGH DIGITAL STORYTELLING	Pablo Ortega, Francisco Arcos
	TEACHING COMPETENCIES AND MENTORSHIP PROGRAM AS A NEW METHODOLOGICAL TOOL	Mariscal-Crespo I, Gómez-Beltrán PA, Gómez-Salgado J, Merino-Navarro D, Camacho Bejarano, R.

----- Lunch time -----

15:30 – 17:30

Session: Technology in Education II

Chair: Atma Sahu

	A CASE STUDY: ROLE-PLAYING AND COOPERATIVE LEARNING IN DIGITAL SYSTEMS	María del Carmen Romero
	INTRODUCING COMPUTER SCIENCE USING MEDIA COMPUTATION	Lydia Ray, Shamim Khan, Wayne Summers, Burly Wright
	AN EXPERIENCE USING VIDEOS FOR SELF-TEACHING	Sergio Amat, Sonia Busquier
	EFFECTIVENESS OF TECHNOLOGY INTERVENTIONS ON STUDENTS' COLLEGE ALGEBRA LEARNING OUTCOMES	Atma Sahu
	THE MATHEMATICAL KNOWLEDGE OF THE STUDENTS IN THE FIRST YEAR OF ENGINEERING	M.V. Ibañez, P. Vindel
	BOARD GAMES FOR LEARNIG MATHEMATICAL TECNIQUES	Ana Mª LLuch Peris, P. Vindel