

Published by

International Association of Technology, Education and Development (IATED)
www.iated.org

EDULEARN13 Proceedings

5th International Conference on Education and New Learning Technologies
July 1st-3rd, 2013 — Barcelona, Spain

Edited by

L. Gómez Chova, A. López Martínez, I. Candel Torres
International Association of Technology, Education and Development
IATED

ISBN: 978-84-616-3822-2

Depósito Legal: V- 1552-2013

Book cover designed by
J.L. Bernat

All rights reserved. Copyright © 2013, IATED

The papers published in these proceedings reflect the views only of the authors. The publisher cannot be held responsible for the validity or use of the information therein contained. Some conference presentations may not be available for publication.

WELCOME INTRODUCTION

Dear EDULEARN13 participants,

It is a pleasure to welcome you to the 5th annual International Conference on Education and New Learning Technologies.

During the conference time, we will all have the opportunity to meet colleagues from all parts of the world, share our experiences, and discuss the most relevant trends in education.

EDULEARN13 welcomes delegates from more than 80 countries. This multicultural experience gives us the opportunity to meet new partners and learn from each other in an international and friendly atmosphere.

We hope you enjoy your participation in EDULEARN13. All presentations will be scheduled according to specific topics so we encourage you to attend the different oral and poster sessions and join the networking experiences that this conference will provide you.

We wish to express our sincere thanks to all participants for their contribution to EDULEARN13. This conference would not be possible without you, your enthusiasm, work, ideas and motivation that will make this conference alive.

We hope you enjoy these conference days and your stay in the wonderful city of Barcelona.

EDULEARN13 Organising Committee

EDULEARN13 COMMITTEE AND ADVISORY BOARD

Aarthi Nagappan	BOTSWANA	Jürgen Durst	GERMANY
Abhishek Das	INDIA	Karl Royle	UNITED KINGDOM
Adelheid Bwire	KENYA	Katharina Köhler	GERMANY
Adenike Emeke	NIGERIA	Kathleen Nolan	CANADA
Adré Le Roux	SOUTH AFRICA	Khalida Mussarat Khan	PAKISTAN
Agustín López	SPAIN	Liliana Lopes	PORTUGAL
Alan Eardley	UNITED KINGDOM	Linda Beate Berg	NORWAY
Alfonso Felipe Díaz-Cárdenas	MEXICO	Linda Pincham	UNITED STATES
Alison Chambers	UNITED KINGDOM	Lorena López	SPAIN
Amparo Girós	SPAIN	Luis Gómez Chova	SPAIN
Andreas Dewanto	SINGAPORE	M ^a Jesús Suesta	SPAIN
Anne D'Arcy-Warmington	AUSTRALIA	Maggie Liesaputra	NEW ZEALAND
António Almeida	PORTUGAL	Manuel Montenegro	MEXICO
Antonio García	SPAIN	Margarida Afonso	PORTUGAL
Bob Windmill	UNITED KINGDOM	Maria Dawson	UNITED KINGDOM
Bulent Dos	TURKEY	Maria Porcel	SPAIN
Catherine Nassimbwa	UGANDA	Marlene Langholz	GERMANY
Chelo González	SPAIN	Mary (Mimi) Hinchcliff-Pelias	UNITED STATES
Christiane Kose	GERMANY	Mary Omingo	KENYA
Constantinos Tsouris	CYPRUS	Maryam Al Washahi	OMAN
Cristina Lozano	SPAIN	Meir Kozlovsky	UNITED STATES
Daniele Papi	ITALY	Michael Grosch	GERMANY
David Martí	SPAIN	Mónica Fernández	SPAIN
Doireann O'Connor	AUSTRALIA	Naglaa EL Mokadem	EGYPT
Dominique Mwepu	SOUTH AFRICA	Natela Doghonadze	GEORGIA
Efrat Kass	ISRAEL	Nayer Fardows	PAKISTAN
Eladio Duque	SPAIN	Niaz M. Patwary	BANGLADESH
Evdokia Karavas	GREECE	Nicholai Friis Pedersen	DENMARK
Fatima Badry	UNITED ARAB EMIRATES	Nicola Shapland	AUSTRALIA
Fayruza Ismagilova	RUSSIAN FEDERATION	Norma Barrachina	SPAIN
Fernando Muthunama Gongge	SRI LANKA	Olga Teruel	SPAIN
Fethi Inan	UNITED STATES	Paul Dickinson	FINLAND
Francesco Gonella	ITALY	Peter Williams	UNITED KINGDOM
Frederik Nieuwenhuis	SOUTH AFRICA	Pranit Anand	AUSTRALIA
George Hatsidimitris	AUSTRALIA	Ricardo Paredes	CHILE
Giuseppe Chiazzese	ITALY	Richard Berger	UNITED KINGDOM
Hasan Abdelkareem	PALESTINE	Robert Sutter	UNITED KINGDOM
Hashini Mohottala	UNITED STATES	Rona Bušljeta	CROATIA
Hazel Bending	UNITED KINGDOM	Sabine Remdisch	GERMANY
Hui Xuan Xu	HONG KONG	Sailesh Sharma	MALAYSIA
Ignacio Ballester	SPAIN	Sandra Antulic	CROATIA
Ignacio Candel	SPAIN	Selvarajah Tharmalingam	MALAYSIA
Inese Ozola	LATVIA	Sergio Pérez	SPAIN
Iolie Nicolaidou	CYPRUS	Shalini Kalia	INDIA
Iryna Sekret	UKRAINE	Simon Bell	UNITED KINGDOM
Isabel Vieira	PORTUGAL	Simone Donati	ITALY
Ismael Serrano	SPAIN	Sohaimi Abdul Aziz	MALAYSIA
Iván Martínez	SPAIN	Stephan Losse	GERMANY
Jaroslava Kubatova	CZECH REPUBLIC	Ted Purinton	EGYPT
Javier Domenech	SPAIN	Tetyana Sviridova	UKRAINE
Javier Martí	SPAIN	Thanos Polymeneas-Liontiris	UNITED KINGDOM
Jelena Gledic	SERBIA	Victor Fester	NEW ZEALAND
Jenene Burke	AUSTRALIA	Violetta Cavalli-Sforza	MOROCCO
Joanna Lees	FRANCE	Wim De Bruyn	BELGIUM
Jose F. Cabeza	SPAIN	Xavier Lefranc	FRANCE
Jose Luis Bernat	SPAIN	Yehudith Weinberger	ISRAEL
Joseph Du Fore	UNITED STATES	Zodwa Ntuli	SOUTH AFRICA

CONFERENCE SESSIONS

ORAL SESSIONS, 1st July 2013.

MOOCs (Massive Online Open Courses)
Evaluation and Assessment of Student Learning (1)
Blended and Flipped Learning (1)
Technology-Enhanced Learning (1)
Pedagogical Innovations. Learning and Teaching Methodologies (1)
ICTs & Emerging Technologies in Language Learning
e-Learning & Emerging Tech. in Engineering Education
Experiences in Primary Education

The Impact of Web Technologies on Education
Educational Trends and Best Practice Contributions
Blended and Flipped Learning (2)
Technology-Enhanced Learning (2)
Pedagogical Innovations. Learning and Teaching Methodologies (2)
e-Learning Experiences in Language Learning
Pedagogical Innovations in Engineering Education
Experiences & Pedagogical Innovations in Primary and Preschool Education

Educational Software & Serious Games (1)
Curriculum Design and Development
International Projects. The Internationalization of Universities
Technology-Enhanced Learning (3)
General Issues. Impact of Education on Development
Pedagogical & Didactical Innovations in Foreign Languages Education
Experiences in Engineering Education
Learning Experiences in Primary and Secondary Education (1)

Educational Software & Serious Games (2)
Enhancing Learning and the Undergraduate Experience
International Projects. Project Outcomes and Conclusions
e-Learning. Distance Learning
Barriers to Learning (age, psychosocial factors, ethnicity...)
Language Learning Innovations
Pedagogical Innovations in Arts & Humanities Education
Learning Experiences in Primary and Secondary Education (2)

POSTER SESSIONS, 1st July 2013.

Poster Session 1. e-Learning and Social Media in Education

Poster Session 2. Pedagogical Innovations and New Trends in Education

ORAL SESSIONS, 2nd July 2013.

Social Media in Education

Experiences in Research. New projects and Innovations
 e-Learning. Online Assessment
 Technology-Enhanced Learning
 Quality Assurance/Standards and Accreditation
 e-Learning in Health Sciences Education
 Emerging Technologies in Foreign Languages Education
 Educational Management

Computer Supported Collaborative Work

Learning and Teaching development Experiences
 e-Learning. Training, Evaluation and Assessment
 Virtual Learning Environments and Learning Management Systems
 Pedagogical Innovations. Learning and Teaching Methodologies (3)
 e-Learning & Emerging Technologies in Health Sciences
 Experiences in Foreign Languages Education
 Lifelong Learning

Web 2.0 and Collaborative Work

Learning Experiences in Higher and Further Education (1)
 e-Learning Projects and Experiences
 Evaluation and Assessment of Student Learning (2)
 Pedagogical Innovations. Learning and Teaching Methodologies (4)
 Experiences in Health Sciences Education
 e-Content Management and Development
 Research Methodologies and Experiences

Mobile and Tablet Technologies

Learning Experiences in Higher and Further Education (2)
 e-Learning. Educating the Educators
 Evaluation and Assessment of Student Learning (3)
 Emerging Technologies in Education
 Student Support in Education
 Education and Globalization
 Experiences in Business Adm. & Mgmt. Education (1)

Collaborative and Problem-based Learning

Student Support and Academic Projects
 Blended Learning
 Pedagogical Innovations. New Learning/Teaching Models
 Pre-service and In-service Teacher Experiences
 Architecture. Experiences in Research & Education
 General Issues. Organizational, Legal, Policy and Financial Issues
 Experiences in Business Adm. & Mgmt. Education (2)

POSTER SESSIONS, 2nd July 2013.

Poster Session 1. Experiences in Education and Research

Poster Session 2. Learning Experiences in Education

VIRTUAL SESSIONS

Academic Research Projects
Collaborative and Problem-based Learning
Computer Supported Collaborative Work
Curriculum Design and Development
E-content Management and Development
e-Learning Projects and Experiences
Educational Management
Educational Software & Serious Games
Educational Trends and Best Practice Contributions
Emerging Technologies in Education
Enhancing Learning and the Undergraduate Experience
Evaluation and Assessment of Student Learning
Experiences in Research
General Issues in Education. Barriers to Learning & Globalization
Higher Education Area: The Bologna Declaration and ECTS Experiences
International Projects
Language Learning Innovations
Learning and Teaching Methodologies
Learning Experiences in Higher and Further Education
Learning Experiences in Primary and Secondary Education
Lifelong Learning
Links between Education and Research
Mobile and Tablet Technologies
Pedagogical Innovations in Education. New Learning/Teaching Models
Special Education
Technology-Enhanced Learning
The Impact of Web Technologies on Education
Transferring Skills and Disciplines
Tutoring and Coaching
University-Industry Cooperation
Vocational and Workplace Training