8TH INTERNATIONAL CONFERENCE OF EDUCATION, RESEARCH AND INNOVATION

CONFERENCE PROCEEDINGS

SEVILLE (SPAIN) 16-18 NOVEMBER 2015
WELCOME INTRODUCTION

Dear ICERI2015 participants,

It is a pleasure to welcome you all to this eighth edition of ICERI.

“Facing the challenges of Education” is the main theme of this year’s ICERI, as it sets the agenda for an in-depth discussion of the most important questions facing those in education today: How education should be provided? What are the newest learning methodologies? How can we learn in an innovative way? In a world of rapid technological changes, how can we adapt to the changes in its due time?

All these questions and many more will be debated in the different interactive and thematic sessions. They will provide an excellent opportunity to acquire skills and get new ideas from different perspectives and innovative approaches in education around the world.

Every year, ICERI intends to bring together educational experts from all corners of the world. This year, it is a pleasure to welcome over 600 participants from more than 75 countries worldwide. This will ensure an international atmosphere that will enrich the conference program and networking activities.

We hope that joining ICERI2015 will provide you with an opportunity to share your experiences, learn from other educational innovations and meet new colleagues for future cooperation.

Thank you very much for your participation at ICERI2015. We hope you enjoy your time with us!

Thank you very much for your valuable contribution to ICERI2015!

ICERI2015 Organising Committee
## ICERI2015 COMMITTEE AND ADVISORY BOARD

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CONFERENCE SESSIONS

ORAL SESSIONS, 16th November 2015

Massive Open Online Courses (MOOC)
Meet the Keynote
Employability Issues and Trends (1)
Teacher Training Experiences
Assessment of Student Learning
Gender Issues in Education
Teacher Training in Foreign Languages
Experiences In Civil Eng. and Architecture Education

Social & Digital Media in Education
Advanced and Mobile Educational Technologies
Employability Issues and Trends (2)
Pre-service Teacher Experiences (1)
Game-based Learning
Inclusive Learning
Technology in Foreign Languages (1)
Experiences in Arts & Humanities Education

Digital Skills
Videos for Learning and Educational Multimedia
Workplace Training and Employability
Pre-service Teacher Experiences (2)
Collaborative and Project-based Learning
ICT in Special Education
Pedagogical Methods and Experiences (1)
Government Policy issues in South African Schools

e-learning Experiences (1)
Experiences in Programming and Computer Science Learning
ICT Skills and Workplace Learning
In-service Training and Professional Development of Teachers
Collaborative Learning Environments
Special and Inclusive Education
Experiences in Engineering Education
Teachers Leaders in an African Context

POSTER SESSIONS, 16th November 2015

New Trends and Experiences in Education
Teaching and Training Experiences
ORAL SESSIONS, 17th November 2015

e-learning Experiences (2)
Technology in Teaching and Learning (1)
Adult and Vocational Education
Pedagogical Methods and Experiences (2)
Entrepreneurship Education Experiences
Experiences in Secondary and Higher Education
New Trends and Experiences in Postgraduate Education
Curriculum Design

Blended Learning
Technology in Teaching and Learning (2)
ICT in Adult Education
Problem Based Learning in Higher Education
Social Entrepreneurship
Cultural Diversity in Secondary Education
Links between Education and Research (1)
Experiences in Health Sciences Education

Flipped Learning & Flipped Classroom
Technology in Teaching and Learning (3)
Management and Organizational Issues in Education
Teacher Training in STEM Education
University-Industry Cooperation
Pedagogical Experiences in Secondary Education
Links between Education and Research (2)
Leadership and University Administration

Learning Analytics and Intelligent Tutoring Systems
Technology in Foreign Languages (2)
International Cooperation and Mobility Programmes
Professional Development of Teachers (1)
Non-formal Education
Technology Enhanced Learning in Primary and Secondary Education
Experiences in STEM Education
Government and Administration Issues in Secondary Education

New Trends in Online Learning
Foreign Language Learning
Accreditation and Quality in Education
Professional Development of Teachers (2)
Student Support & Tutoring
Experiences in Primary and Secondary Education
Barriers to Learning
School Leadership

POSTER SESSIONS, 17th November 2015.

Technology and Research in Education

New Challenges in Education
VIRTUAL SESSIONS

Academic Research Projects
Accreditation and Quality in Education
Adult education
Advanced classroom applications and ICT Skills
Assessment of student learning
Blended Learning and Flipped Classroom
Collaborative and Problem-based Learning
Cultural Diversity and Inclusive Learning
Curriculum Design
E-content Management and Development
e-learning experiences
Education practice trends and issues
Education, Research and Globalization
Emerging Technologies in Education
Employability issues and trends
Ethical issues in Education
Experiences in Post-graduate education
Experiences in Primary and Secondary education
Experiences in Undergraduate education
Game-based learning and Gamification
Global Issues in Education and Research
In-service training and Professional development of teachers
International Projects
Language Learning Innovations
Learning and Teaching Innovations
Life-long learning
Links between Education and Research
m-Learning; mobile applications and technologies
Massive Open Online Courses (MOOC)
New Challenges for the Higher Education Area
Online / Virtual Laboratories
Pedagogical Methods and Innovations
Pre-service teacher experiences
Research on Technology in Education
Special education
STEM Education Experiences
Student Support in Education
Teacher Training experiences
University-Industry Cooperation
Virtual Learning Environments (VLE)
Vocational training
ABOUT ICERI2015 Proceedings USB

HTML Interface: Navigating with the Web browser

This USB includes all presented papers at ICERI2015 conference. It has been formatted similarly to the conference Web site in order to keep a familiar environment and to provide access to the papers through your default Web browser (open the file named "ICERI2015.html").

An Author Index, a Session Index, and the Technical Program are included in HTML format to aid you in finding conference papers. Using these HTML files as a starting point, you can access other useful information related to the conference.

The links in the Session List jump to the corresponding location in the Technical Program. The links in the Technical Program and the Author Index open the selected paper in a new window. These links are located on the titles of the papers and the Technical Program or Author Index window remains open.

Full Text Search: Searching ICERI2015 index file of cataloged PDFs

If you have Adobe Acrobat Reader version 6 or later (www.adobe.com), you can perform a full-text search for terms found in ICERI2015 proceedings papers.

Important: To search the PDF index, you must open Acrobat as a stand-alone application, not within your web browser, i.e. you should open directly the file "ICERI2015.pdf" with your Adobe Acrobat or Acrobat Reader application.

This PDF file is attached to an Adobe PDF index that allows text search in all PDF papers by using the Acrobat search tool (not the same as the find tool). The full-text index is an alphabetized list of all the words used in the collection of conference papers. Searching an index is much faster than searching all the text in the documents.

To search the ICERI2015 Proceedings index:

1. Open the Search PDF pane through the menu "Edit > Advanced Search" or click in the PDF bookmark titled "SEARCH PAPERS CONTENT".
2. The "ICERI2015_index.pdx" should be the currently selected index in the Search window (if the index is not listed, click Add, locate the index file .pdx, and then click Open).
3. Type the search text, click Search button, and then proceed with your query.

For Acrobat 9 and later:

1. In the “Edit” menu, choose “Search”. You may receive a message from Acrobat asking if it is safe to load the Catalog Index. Click “Load”.
2. A new window will appear with search options. Enter your search terms and proceed with your search as usual.

For Acrobat 8:

1. Open the Search window, type the words you want to find, and then click Use Advanced Search Options (near the bottom of the window).
2. For Look In, choose Select Index.
3. In the Index Selection dialog box, select an index, if the one you want to search is available, or click Add and then locate and select the index to be searched, and click Open. Repeat as needed until all the indexes you want to search are selected.
4. Click OK to close the Index Selection dialog box, and then choose Currently Selected Indexes on the Look In pop-up menu.
5. Proceed with your search as usual, selecting other options you want to apply, and click Search.

For Acrobat 7 and earlier:

1. In the “Edit” menu, choose “Full Text Search”.
2. A new window will appear with search options. Enter your search terms and proceed with your search as usual.