The University of La Laguna is located in Tenerife, the largest of the seven Canary Islands, an archipelago in the Atlantic Ocean about 100 kilometres northwest of the African continent at the closest point. The principal campuses (Central, Anchieta, Guajara and Ofra) of this learning institution are located in the city of La Laguna, although it also has other centres scattered throughout Santa Cruz de Tenerife.
Dear Participants,

You can use free WIRELESS INTERNET via access points named ulleventos. The password will be provided jointly with the conference material. You may also use eduroam service.

You can also use the computers in the Room 2.5, first floor of the Computer Engineering School.
CONFERENCE OBJECTIVE

The e-Learning'14 International Conference is organized according to the Workplan of the European Thematic Network FUTURE EDUCATION AND TRAINING IN COMPUTING. The Conference OBJECTIVE is to intensify the information exchange of the results in theoretical research and practical developments in the field of the e-Learning and m-Learning.

e-Learning'14 is organized under the patronage of the EUROPEAN COMMISSION - Education, Audiovisual and Culture Executive Agency.

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  Stefanov Krasen (Bulgaria)
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  Uta Ileana Adina (Romania)
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  Víctor Mora Afonso (Spain)
  María Victoria Reyes Sánchez (Spain)
  Alexandra Rivero-García (Spain)
  Iván Santos-González (Spain)

TOPICS

- Net-generation and the Building System
- The Future of Education in Computing
- e-Learning
- m-Learning
- u-Learning
- Blended Learning
- Virtual Learning Environments
- Virtual Libraries
- Virtual Laboratories
- Virtual Universities and Campuses
- NEW DIDACTICAL MODELS FOR THE USE SOCIAL MEDIA IN E-LEARNING
- Quality of the e-Learning and m-Learning
- Privacy and Security in e-Learning
Friday, 12\textsuperscript{th} September 2014

09:30

COMPUTER ENGINEERING SCHOOL – ETSII

SALÓN DE GRADOS

OPENING
WELCOME
Chair: Candelaria Hernández-Goya

MUSICAL GREETING
PLENARY SESSION
Chair:
Pino Caballero-Gil

LEON ROTHKRANTZ
Delft University of Technology, Netherlands
Lecture on:
Social Media: Challenges and risks in open and online learning

ROUMIANA PEYTCHEVA–FORSYTH
Sofia University, Bulgaria
Lecture on:
Web 2.0 Technologies: The Risks and Benefits to Consider when Expanding the Classroom Walls

LATIF LADID
University of Luxembourg
Lecture on:
The Next Big Internet Step: IPv6 based New Internet Opportunities, Challenges and Educational Paradigm shift

DISCUSSIONS

11:30 – 12:00
Coffee Break
### PROGRAMME SUMMARY

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<td>Number of papers: 10</td>
<td><strong>NEW DIDACTICAL MODELS FOR THE USE OF SOCIAL MEDIA IN E-LEARNING</strong></td>
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<td><strong>M-LEARNING</strong></td>
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<td><strong>QUALITY OF THE E-LEARNING AND M-LEARNING</strong></td>
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Session A

Chair: Tsvetozar Georgiev
Co-Chair: Hilda Tellioğlu
Scientific Secretary: Cándido Caballero-Gil

Friday, 12th September 2014
12:00 - 13:30
Aula 1.2

E-LEARNING

1. Gamification Enhanced Motivational Aspects of an e-learning System
   Ján Lang, Michal Beliansky, Maroš Urbančok

   Model Characteristics Relevancy
   Daniela Chudá, Ivana Bohunická

3. Analysing Different Approaches to Remote Interaction Applicable in Computer
   Assisted Education
   Alena Kovarova

4. e-Learning as a Solution for Transition from High School to University:
   Challenges and Possible Solutions
   Hilda Tellioğlu

5. Collaborative Activities in a French Language Distance Learning Course
   Maria Stoytcheva

6. Exploring Wearable Cameras for Educational Purposes
   Jouni Ikonen, Antti Knutas

DISCUSSIONS

13:30 – 14:30
Lunch
Session A

14:30 – 16:00

7. Improving E-Textbooks: Effects of concept maps
   Santeri Saarinen, Pentti Hietala, Mirjamäiä Mikkilä-Erdmann, Pekka Mäkiaho,
   Timo Poranen, Markku Turunen

8. Facilitating Text Understanding for e-learning Users
   Marco Alfano, Biagio Lenzitti, Giosuè Lo Bosco, Valerio Perticone

9. Engaging Students in Online Courses through Interactive Badges
   Jozef Tvarozek, Tomas Brza

10. System for Monitoring and Control of the Drying Process
    Nikolay Valov, Irena Valova

M-LEARNING

11. About Usability of Mobile e-learning Applications on an Example of an UML-Quiz
    Christian Kletzander, Alexander Kögler, Hilda Tellioğlu

12. Teaching Supply Chain Management with the Beer Distribution Game on Mobile Devices
    Bojan Cestnik, Tanja Urbančič

13. Location Based Mobile Application to Support Educational Process
    Tsvetozar Georgiev, Nestor Nestorov

DISCUSSIONS

16:00 - 16:15
Salón de Grados

Rewarding the authors of the best papers with the CRYSTAL PRIZE by the CHAIRS of the PROGRAMME COMMITTEE and the ORGANIZING COMMITTEE.
Friday, 12th September 2014  
12:00 - 13:30  
Aula 2.1

BLENDED LEARNING

1. Life Long Learning and solutions for International Collaboration in Training and Education using hybrid e-learning  
   Alain Nicolas, Amar Ramdan Cherif, Liliana Galvez, Peter Wagstaff

2. Augmented Reality Textbook for Future Blended Education  
   Galina Ivanova, Yuksel Aliev, Aleksandar Ivanov

3. Enhancing Students’ Motivation in the Inverted CS2 Course: a Case Study  
   Vladimiras Dolgopolovas, Loreta Savulionienė, Valentina Dagienė

4. Challenges in Developing and Implementing a Blended Learning Approach in Medical Physics Experts Course: An Example for the Anthropomorphic Phantoms Module  
   K. Bliznakova, I. Buliev, R. Verraest, H. Bosmans

VIRTUAL LABORATORIES

5. Virtual Laboratory for Coding Theory Training  
   Galina Ivanova, Stoyanka Smrikarova

6. Virtual Laboratory for Cisco Networking Academy Program  
   Delyan Genkov

DISCUSSIONS

13:30 – 14:30  
Lunch
Session B

14:30 – 16:00

VIRTUAL LEARNING ENVIRONMENTS

7. The Module Zero in the Creation of a Virtual Learning Community - Some Experiences in University of Coimbra Distance Learning Project
   Joana Neto, Sandra Pedrosa, Teresa Pessôa, António José Mendes

QUALITY OF THE E-LEARNING AND M-LEARNING

8. Quality of Online Education from the Perspective of the Students (Sofia University Experience)
   Roumiana Peytcheva-Forsyth, Blagovesna Yovkova

9. Real Quality Distance e-Learning – Real Challenges: Case in Faculty of Mathematics and Informatics, Sofia University
   Dafinka Miteva, Elitsa Peltekova, Eliza Stefanova, Krassen Stefanov

10. A Model and an Index for e-Learning Quality Assessment
    Yulka Petkova, Denica Radeva

PRIVACY AND SECURITY IN E-LEARNING

11. Detection of Cheating Students by Implicit Verification of Identity in eLearning systems
    Peter Krátky

12. Problems of Privacy and Data Protection in Online Learning Based on the Network Space
    Radi Romansky

DISCUSSIONS

16:00 - 16:15
Salón de Grados

Rewarding the authors of the best papers with the CRYSTAL PRIZE by the CHAIRS of the PROGRAMME COMMITTEE and the ORGANIZING COMMITTEE.
NEW DIDACTICAL MODELS FOR THE USE SOCIAL MEDIA IN E-LEARNING

1. Web 2.0 in Educational Practice – A Decade of Experience
   Zoran Putnik, Mirjana Ivanović, Zoran Budimac

2. A Peer Matching Tool Using Social Media
   Floris Verburg, Freek van Tienen, Marijn Goedegebure, Dragos Datcu, Leon Rothkrantz

3. Using Web 2.0 Tools and ELARS Recommender System for E-Learning
   Natasa Hoic-Bozic, Martina Holenko Dlab, Jasmina Mezak

4. Learning 2.0 Enhanced by Social Media Tools - implementation and assessment
   Roumen Nikolov, Elena Shoikova, Milena Krumova, Eugenia Kovatcheva

THE FUTURE OF EDUCATION IN COMPUTING

5. A Milestone-Driven Approach for Lab Assignments Evaluation in Information Security
   David Nuñez, Francisco Moyano, Ana Nieto, Juan J. Ortega, Isaac Agudo, Javier Lopez

6. e-Education in Teaching Programming - Forty Years of Promises?
   Ljubomir Jerinić, Mirjana Ivanović, Zoran Putnik, Zoran Budimac, Miloš Savić

DISCUSSIONS

13:30 – 14:30
Lunch
Session C

14:30 – 16:00

7. Understanding the User Experiences (UX) Does Not Seem to be Correlated With Technical Skills: Consequences for UX Didactics
   Steinar Kristoffersen

8. Engineering and Computer Science teachers’ use of LMS
   Ásnún Matthíasdóttir, Ása Björk Stefánsdóttir

9. An Approach to Teaching Introductory Programming Using Games
   Tzvetomir Vassilev, Borislav Mutev

10. Using Short Videos in an Introductory Programming Course
    Kurt Nørmark

11. Personalized E-courses for Students in Computer Science
    Donika Valcheva, Margarita Todorova

12. Implementation of New Technologies in Science Education at the University of Forestry
    Veselin Brezin, Boyanka Zhelyazova, Elena Tzvetkova

DISCUSSIONS

16:00 - 16:15
Salón de Grados

Rewarding the authors of the best papers with the CRYSTAL PRIZE by the CHAIRS of the PROGRAMME COMMITTEE and the ORGANIZING COMMITTEE.
Friday, 12th September 2014
16:00 – 16:15
Salón de Grados

The CHAIRS of the PROGRAMME COMMITTEE and the ORGANIZING COMMITTEE will bestow a CRYSTAL PRIZE to the authors of the best papers.

ETN FETCH e-Learning’14

THE BEST PAPER

MEETING of the PROGRAMME COMMITTEE and ORGANIZING COMMITTEE and the chairs of each sections of the e-Learning’14

16:30

VISIT to La Laguna UNESCO World Heritage Site
Friday, 12th September 2014
19:30

SOCIAL EVENING IN THE RESTAURANT
“El CASINO DE LA LAGUNA”
c/ Nava y Grimón Nº 7, San Cristóbal de La Laguna