11th International Conference on
Cognition and Exploratory Learning in Digital Age
CELDA 2014
Porto, Portugal
CONFERENCE PROGRAM

Saturday 25th, October 2014

08:00-19:20 Welcome Desk

09:30-09:45 Session O – Opening Session
(Room Pinhão)
OPENING SESSION
Profs. J. Michael Spector, Demetrios G Sampson and Dirk Ifenthaler

10:00-11:00 Session KL1 – Keynote Presentation
(Room Pinhão)
DESIGNING LEARNING ENVIRONMENTS IN A DIGITAL
AGE: THE QUEST FOR WHAT TO CONSIDER
By Professor Jan Elen, Faculty of Psychology and Educational
Sciences, K.U. Leuven, Belgium

11:00-11:30 Coffee Break

11:30-13:10 Session FSP 25.1
Exploratory Technologies
(Room Pinhão)
Chair: Charoula Angeli Valanides
INTERACTIVE APPLICATION IN SPANISH SIGN
LANGUAGE FOR A PUBLIC TRANSPORT ENVIRONMENT
(F061)
José Guillermo Viera-Santana, Juan C. Hernández-Haddad,
Dionisio Rodríguez-Esparragón and Jesús Castillo-Ortíz
A GAME-BASED ASSESSMENT OF STUDENTS’ CHOICES
TO SEEK FEEDBACK AND TO REVISE (F092)
María Catamisa, Doris B. Ohlin and Daniel L. Schwartz
ADDRESSING STANDARDIZED TESTING THROUGH
A NOVEL ASSESSMENT MODEL (S015)
Catherine C. Schiffer and Martha Carey
“It’S JUST LIKE LEARNING, ONLY FUN” – A TEACHER’S
PERSPECTIVE OF EMPIRICALLY VALIDATING
EFFECTIVENESS OF A MATH APP (S094)
Ka Rene Grimes

13:00-14:30 Lunch Break

14:30-16:30 Session FSP 25.2
Student-centered Learning // Life-long Learning
(Room Pinhão)
Chair: Jan Elen
TEACHERS’ PERCEPTIONS OF THE INDIVIDUAL CASE
STUDIES’ LITERACY PERFORMANCE AND THEIR USE
OF COMPUTER TOOLS (F033)
Oleste Bourjault Rals
EXPLORING OPPORTUNITIES TO BOOST ADULT
STUDENTS’ GRADUATION –THE REASONS BEHIND
THE DELAYS AND DROP-OUTS OF GRADUATION (F039)
Päivi Aurriñen-Jokkelto and Asta Bäck
DIY ANALYTICS FOR POSTSECONDARY STUDENTS
(S034)
Timothy Arndt and Angela Guerío
PROJECT “FLAPPY CRAB”: AN EDU-GAME FOR MUSIC
LEARNING (S078)
Cristina Maria Cardoso Gomes, Mauro Jorge Guerreiro Figueiredo,
José Bidarra and José Duarte Cardoso Gomes
HIGHER EDUCATION INSTITUTIONS (HEI) STUDENTS
TAKE ON MOOC: CASE OF MALAYSIA (S022)
Jessnor Elmy Mat-jizat, Norsamsinar Samsudin and Rasiliza Yahaya

14:30-16:40 Session FSRP 25.3
Cognition In Education // Assessing Progress Of Learning
In Complex Domains
(Room Vargelas)
Chair: J. Michael Spector
THE EFFECTS OF FREQUENCY OF MEDIA UTILIZATION
ON DECISION MAKING OF MEDIA CHOICE (F017)
Yasushi Gotoh
COMPARING NOVICES & EXPERTS IN THEIR
EXPLORATION OF DATA IN LINE GRAPHS (F016)
Bruce H. Tsuji and Gitte Lindgaard
STUDENTS’ REFLECTIONS USING VISUALIZED
LEARNING OUTCOMES AND E-PORTFOLIOS (S021)
Takatsune Narumi and Yasushi Gotoh
MICROBLOGGING BEST PRACTICES (S028)
Shohreh Hadian and Maria-Elena Froese
THE EFFICIENCY OF DIFFERENT ONLINE LEARNING
MEDIA - AN EMPIRICAL STUDY (S080)
Franziska J. Köhler and Marco M. Nitzsche
PERSISTENT POSSIBLE SCIENCE SELVES (R036)
Leila A. Mills and Lin Lin

16:30-17:00 Coffee Break
COLLABORATIVE CREATIVITY PROCESSES IN A WIKI: A STUDY IN SECONDARY EDUCATION (F047)
Manoli Pfaffré, Laura Marti and Alex Guijosa
LSQUIZ: A COLLABORATIVE CLASSROOM RESPONSE SYSTEM TO SUPPORT ACTIVE LEARNING THROUGH UBQUITOUS COMPUTING (F064)
Ricardo Carceño and Rodolfo Acevedo
IMPACTS OF MEDIAWIKI ON COLLABORATIVE WRITING AMONG TEACHER STUDENTS (F073)
Said Hadjerrouit
A USER CENTERED FACULTY SCHEDULED DEVELOPMENT FRAMEWORK (S025)
Shobhreh Hadjibabaei and Nancy Sly
MUSICAL PEDDY-PAPER: A COLLABORATIVE LEARNING ACTIVITY SUPPORTED BY AUGMENTED REALITY (S076)
José Duarte Cardoso Gomes, Mauro Jorge Guerreiro Figueiredo, Lúcia da Graça Cruz Domingues Amante and Cristina Maria Cardoso Gomes

EFFECTIVE USE OF A LEARNING MANAGEMENT SYSTEM TO INFLUENCE ON-LINE LEARNING (P024)
Xa Hongjiang, Sakthi Mahenthiran and Kenton Smith
ORDER EFFECTS OF LEARNING WITH MODELING AND SIMULATION SOFTWARE ON FIELD-DEPENDENT AND FIELD-INDEPENDENT CHILDREN’S COGNITIVE PERFORMANCE: AN INTERACTION EFFECT (F069)
Charoula Angeli, Nicos Valanides, Eirini Polemitou and Elena Fraggoulidou
COMPARATIVE CASE STUDY ON DESIGNING AND APPLYING FLIPPED CLASSROOM AT UNIVERSITIES (F050)
Cheolil Lim, Sunyoung Kim, Jihyun Lee, Hyoconsu Kim and Hyeonggi Hong
ORGANIZATIONAL LEADERSHIP PROCESS FOR UNIVERSITY EDUCATION (F054)
Ricardo Llamosa-Villalba, Darío J. Delgado Q., Heidi P. Camacho, Ana M. Paez and Raúl F. Valdivieso
A CROSS CULTURAL PERSPECTIVE ON INFORMATION COMMUNICATION TECHNOLOGIES LEARNING SURVEY (S057)
Hale Ilgaz, Suadite Güzın Mazman and Arif Altun
Monday 27th, October 2014

08:30-13:00 Welcome Desk

09:00-11:00 Session FP 27.1
Technology, Learning And Expertise
(Room Pinhão)
Chair: Timothy Arndt

ICT COMPETENCE-BASED LEARNING OBJECT RECOMMENDATIONS FOR TEACHERS (F088)
Stylianos Sergis, Panagiotis Zervas and Demetrios G. Sampson

IMPROVING CONTENT AREA READING COMPREHENSION WITH 4-6TH GRADE SPANISH ELLS USING WEB-BASED STRATEGY INSTRUCTION (F081)
Kay Wijekumar, Bonnie J.F. Meyer and Puiwa Lei

PREPARING SPECIAL EDUCATION TEACHERS TO USE EDUCATIONAL TECHNOLOGY TO ENHANCE STUDENT LEARNING (F019)
Teresa Wallace and David Georgina

ASK4LABS: A WEB-BASED REPOSITORY FOR SUPPORTING LEARNING DESIGN DRIVEN REMOTE AND VIRTUAL LABS RECOMMENDATIONS (F086)
Panagiotis Zervas, Stefanos Fiskilis and Demetrios G. Sampson

11:00-11:30 Coffee Break