

**IADIS International Conference on
Cognition and Exploratory Learning in Digital Age
CELDA 2010, Timisoara, Romania
CONFERENCE PROGRAM**

“Politehnica” University of Timisoara - UPT

ELECTRO Building: Bul. V. Parvan No.2, 300223 Timisoara, Romania

Thursday 14, October 2010

19:00 Dinner offered by “Politehnica” University of Timisoara
Politehnica Restaurant, Student Campus

Friday 15, October 2010

08:30-17:30 Welcome Desk
ELECTRO Building - ground level

10:30-11:00 Session O – Opening Session
(Room A101)

OPENING SESSION

Profs. Pedro Isaías, Dirk Ifenthaler, Demetrios G. Sampson, Radu VasIU and Diana Andone

11:00-11:30 Coffee Break

11:30-13:20 Session FSP 15.1 - Student-centered Learning // Assessment Of Exploratory Learning Approaches
(Room A106)

INTEGRATING DIGITAL GAMES INTO SCHOOL CURRICULUM: A FIELD EXPERIMENT IN MATH EDUCATION (F048)

Hercules Panoutsopoulos and Demetrios G. Sampson

DESIGNING ONLINE QUIZZES: A WHOLE OF CURRICULUM APPROACH (F030)

Maree Gosper

SQAR: AN ANNOTATION-BASED STUDY PROCESS TO ENHANCE THE LEARNER'S PERSONAL LEARNING (F060)

Belkacem Mostefai, Faiçal Azouaou and Amar Balla

VOCABULARY LEARNING WITH COLORED LEARNING MATERIALS (S087)

Yuichi Yuzuhara, Yong Xu, Keiichi Kaneko, Masatoshi Ishikawa and Haruko Miyakoda

11:30-13:00 Session RP 15.2 - Reflection Papers

(Room A116)

MAKING A COMPLEX MANGA CASE FOR LEARNING IN PRACTICE: EMBEDDING AWARENESS, EXPERIENCE AND KNOWLEDGE IN THE DESCRIPTION (R090)

Akiko Orita, Atsushi Yoshikawa and Takao Terano

ENJOYING A PUPPET SHOW WITH HEARING-IMPAIRED PEOPLE THROUGH MANGA VISUALIZATION METHOD (R078)

Miki Namatame, Fusako Kusunoki, Toru Takahashi and Takao Terano

PROMOTING LIFE LONG LEARNING AND DIVERSITY IN THE FURTHER EDUCATION (R026)

Ileana Hamburg, Timothy Hall and Emma O'Brien

THE STRINGPRINTER: FIRST STEPS TOWARD CHILD-FRIENDLY FABRICATION DEVICES (R028)

Kyle Ludwig, Nwanua Elumeze, and Michael Eisenberg

13:00-14:30 Lunch Break

Politehnica Restaurant, Student Campus

14:30-15:30 Session K1 – Keynote Presentation

(Room A101)

LOOKING INTO THE FUTURE: INTEGRATING TECHNOLOGY AND PEDAGOGY

Professor Miguel Nussbaum, Computer Science Department, School of Engineering, Universidad Catolica de Chile, Chile

15:40-17:10 Session FSP 15.3 - Learning Communities & Web Service Technologies

(Room A116)

A PRELIMINARY STUDY ON STUDENTS' LEARNING EXPERIENCE IN AN INTERNATIONAL ONLINE SYNCHRONOUS RESEARCH SEMINAR (F034)

Daniel Chia-En Teng, Tommaso Leo, Kinshuk and Nian-Shing Chen

DEVELOPMENT AND EVALUATION OF REAL TIME LECTURE SUPPORT SYSTEM USING CELL PHONES (S049)

Masayuki Shinohara, Hiroshi Shimeno, Shigenori Irooi and Hiroshi Tanaka

THE EFFECT OF PROJECT BASED WEB 2.0-LEARNING ON STUDENTS' OUTCOMES (S062)

Bahaaeldin Mohamed and Thomas Koehler

ONLINE EMPLOYABILITY WORKSHOPS – A PILOT TEST (S074)

Kathleen Houston

15:40-17:20 Session FSP 15.4 - Collaborative Learning

(Room A106)

KEY-ROLES IN VLES: A METRIC BASED ON SOCIAL NETWORK ANALYSIS (F058)

Maria Assunta Barchiesi, Elisa Battistoni, Paola Pasqualino and Gianluca Murgia

COLLABORATIVE LEARNING TOOLS IN HIGER EDUCATION AND LIFE-LONG LEARNING (F057)

Cosmin Porumb, Sanda Porumb, Bogdan Orza and Aurel Vlaicu

A PROPOSAL OF PROGRAM TO ENHANCE DISTANCE SUPPORT ABILITY OF LEARNING SUPPORTER (S101)

Ryo Takaoka, Masayuki Shimokawa, Shigeki Ahama, Toshiaki Honda and Toshio Okamoto

E-LEARNING TEACHING AND LEARNING MODEL (S083)

Bozena Mannova

Saturday 16, October 2010

08:30-16:00 Welcome Desk

ELECTRO Building - ground level

09:00-11:00 Session FSP 16.1 - Exploratory Technologies

(Room A116)

ASSESSMENT OF MOTIVATION IN GAMING BASED E-LEARNING (F027)

Ioana Ghergulescu and Cristina Hava Muntean

PRESENCE, PIAGET'S STAGES OF DEVELOPMENT AND MIDDLE SCHOOL CHILDREN PARTICIPATION IN AN IMMERSIVE VIRTUAL GAME ENVIRONMENT (F035)

Catherine C Schifter, Diane Jass Ketelhut and Brian C. Nelson

VIRTUAL EXPERIMENTATION TOWARDS THE DEVELOPMENT OF EARLY ENVIRONMENTAL RESPONSIBILITY SKILLS (S020)

Hariklia Tsalapatas, Olivier Heidmann and Marina Mogli

USING IMMERSIVE VIRTUAL ENVIRONMENTS TO ASSESS SCIENCE CONTENT UNDERSTANDING: THE IMPACT OF CONTEXT (S039)

Diane Jass Ketelhut, Brian C. Nelson, Catherine C. Schifter and Younsu Kim

ROBOT TECHNOLOGY AND NUMBERS IN THE CLASSROOM (S088)

Gunver Majgaard, Morten Misfeldt and Jacob Nielsen

10:00-11:00 Session FP 16.2 - Assessment of Exploratory Learning Approaches // Assessment of Exploratory Technologies

(Room A109)

FIRST ON THE LIST: SEO CONTESTS AS AUTHENTIC LEARNING (F017)

Mark Frydenberg and John S. Miko

ABERRANCE DETECTION POWER COMPARISONS FOR A NEW COUPLE OF PERSON-FIT INDICES AND OTHERS (F054)

Tsai-Wei Huang

11:00-11:30 Coffee Break

11:30-13:00 Session FP 16.3 – Cognition in Education

(Room A109)

EPISTEMOLOGICAL BELIEFS AND ILL-DEFINED PROBLEM-SOLVING IN SOLO AND DUO CONTEXTS (F025)

Charoula Angeli and Nicos Valanides

INDIVIDUAL DIFFERENCES IN DIFFERENT LEVEL MENTAL ROTATION TASKS: AN EYE MOVEMENT STUDY (F045)

Sacide Güzin Mazman and Arif Altun

AN ARCHITECTURE FOR DYNAMIC STUDENT MODELLING OF LEARNING STYLES IN LEARNING SYSTEMS AND ITS APPLICATION FOR ADAPTIVITY (F085)

Sabine Graf, Kinshuk, Qingsheng Zhang, Paul Maguire and Victoria Shtern

**11:30-13:00 Session FSP 16.4 - Technology, Learning and Expertise // Other
(Room A116)**

REAL WORLD, STUDENT SELECTABLE DATA FOR EDUCATION - LEARNING GRAPH ALGORITHMS (F023)

Ville Karavirta

SITUATED SIMULATION AS A LEARNING TOOL – EXPERIENCING FORUM IULIUM WITH THE IPHONE (S082)

Vegard Fleischer Orkelbog

THE EFFECT OF PRIOR KNOWLEDGE ON LEARNERS’ NAVIGATION STRUCTURE (S094)

Gökhan Akçapınar and Arif Altun

EXPLOITING VIRTUAL WORLDS FOR TEACHERS’ PROFESSIONAL DEVELOPMENT (S100)

Kallonis Pavlos and Demetrios G Sampson

13:00-14:30 Lunch Break

Politehnica Restaurant, Student Campus

**14:30-15:30 FP 16.5 - Life-long Learning
(Room A109)**

THE INCREASING NEED OF VALIDATION OF NON-FORMAL AND INFORMAL LEARNING. THE CASE OF THE COMMUNITY OF PRACTICE “WEBM.ORG” (F067)

Sabrina Leone, Giuliana Guazzaroni, Laura Carletti and Tommaso Leo

THE IPTEACES ELEARNING FRAMEWORK - ANALYSIS OF SUCCESS INDICATORS AND THE IMPACT ON STUDENT SOCIAL DEMOGRAPHIC CHARACTERISTICS (F031)

Nuno Pena and Pedro Isaías

15:40 Timisoara History – interactive presentation by Claudiu Preda, historian (Room A101)

16:25 Departure from the Electro Building to the City Tour and Conference Dinner: City Tour by bus, visit to Village Museum, Dinner and Wine Tasting at Recas www.recaswine.ro

Sunday 17, October 2010

08:30-13:45 Welcome Desk

ELECTRO Building - ground level

**09:10-11:00 Session FSP 17.1 – Technology, Learning and Expertise
(Room A101)**

FUTURE TEACHERS’ REFLECTIONS ON TEACHING TECHNOLOGY: WHAT DID THEY LEARN FROM SERVICE-LEARNING? (F015)

Junko Yamamoto

COLLABORATIVE LANGUAGE LEARNING AS A DEVICE INDEPENDENT APPLICATION (F050)

Andreas Christ, Markus Feisst and Razia Sultana

ALIGNING TECHNOLOGIES AND THE CURRICULUM: A SNAPSHOT OF ACADEMIC PRACTICE (F086)

Margot McNeill, Maree Gosper and John Hedberg

PROPOSING A FRAMEWORK FOR BLENDED AND FLEXIBLE COURSE DESIGN (S051)

Timos Almpanis, Susan Patrick, Ruth McLellan, Christina Dinsmore, Andrea Faustino and Whysnianti Basuki

11:00-11:30 Coffee Break

**11:30-13:20 Session FSP 17.2 - Assessing Progress of Learning in Complex Domains
(Room A101)**

**THE NEED OF FULL-FEATURED WEB-BASED FORMATIVE ASSESSMENT IN A MEDICAL
PBL-CURRICULUM: STUDENTS', LECTURERS' AND THEORY'S VIEW (F059)**

Stefan P. Minder, Felix M. Schmitz and Sissel Guttormsen Schär

ASSESSING THE EFFICTIVENESS OF PROMPTS FOR SELF-REGULATED LEARNING (F024)

Dirk Ifenthaler and Tobias Schmidt

**AN ANALYSIS OF ANSWER SELECTION PATTERNS FROM MULTIPLE-CHOICE ITEMS
(F096)**

Jay C. Powell, James Bernauer and Vishnuteerth Agnihotri

**ANALYSIS OF LEARNING CURVES FOR WEIGHTED CONSTRAINT-BASED TUTORING
SYSTEMS (S081)**

Nguyen-Thanh Le and Niels Pinkwart

**11:30-12:20 Session FEUP 17.3 – EU projects in education, research and in learning
technologies
(Room A115)**

E-MENTORING IN VOCATIONAL TEACHER EDUCATION (F061)

David Lord and Nele Coninx

**VIRTUAL COMMUNITIES OF PRACTICE DESIGN IN THE FRAMEWORK OF EU PROJECTS:
A CASE-STUDY (EU032)**

Laura Carletti and Tommaso Leo

**13:20 Best Paper Awards Ceremony and Closing Session
(Room A101)**

Profs. Pedro Isaías, Dirk Ifenthaler, Demetrios G. Sampson, Radu VasIU and Diana Andone



1 ELECTRO Building

- Faculty of Automation and Computers
- Faculty of Electronics and Telecommunications Engineering
- Faculty of Electrical and Power Engineering

2 UPT Restaurant

3 Hotel CP2

4 Hotel-Restaurant CP1

5 Rectorate

6 Faculty of Civil Engineering

7 Department of Communication and Foreign Languages

8 Faculty of Architecture

9 Faculty of Industrial Chemistry and Environmental Engineering

10 Faculty of Mechanical Engineering

11 Faculty of Management in Production and Transportation

12 Faculty of Hydrotechnical Engineering

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