

2010 - Towards a Learning and Knowledge Society - 2030



Virtual Learning – Virtual Reality

The 8th INTERNATIONAL CONFERENCE ON VIRTUAL LEARNING



Harta 3D Bucuresti , Harta Bucuresti

TECHNICAL PROGRAM OF ICVL 2013

The Conference will be held in the **University of Bucharest,**
Faculty of Psychology and Educational Sciences,
90 Panduri Street, BUCUREȘTI

Ground Floor - Conference Hall: "DAMASCHIN" Amf.

SCHEDULE

FRIDAY – October 25, 2013

14:00-18:30 Registration Desk (Ground Floor HALL)

14:30 - Conference opening: CNIV and ICVL 2013: "STOIAN" Amf.

19:00-21:00 Welcome Reception: ICVL & CNIV (Cocktail – dinner: offered by SIVECO Romania)

SATURDAY – October 26, 2013 (Ground Floor HALL "DAMASCHIN" Amf.)

8:30-9:00 a.m. - Registration Desk (Ground Floor HALL "DAMASCHIN" Amf.)

9:00- 11:30 - Conference opening and Plenary Session (Section M&M)

11:30-12:00 and 15:30 – 16:00 Coffee Break

12:00-18:00 Plenary Session-Section **M&M, TECH, SOFT** and **Intel® Education**

PLENARY SESSION

SATURDAY 9.00 - 11.30 and 12-18 Plenary Session (Ground Floor HALL “Damaschin”)

Moderators: Dr. Grigore ALBEANU, Dr. Olimpius ISTRATE

Section Models & Methodologies

NO	Paper and Authors	Page
1	"Didactica Nova" – a Challenge for the Academic Curriculum Marin Vlada, Olimpius Istrate	25
2	On Developing Virtual Reality Applications Using the <i>Scilab</i> Environment Grigore Albeanu	29
3	On the Development of a General Educational Ontology for University Didactical Activities Mihaela Oprea	34
4	Adult Students' Level of Confidence and performance in a GBL activity - Are military students overconfident? Mireia Usart, Margarida Romero, Maria Magdalena Popescu	40
5	Learning toolkit in the Digital Agenda Veronica Ștefan	47
6	Model for Calculating the Rank of a Web Page Doru Anastasiu Popescu	54
7	The BLEU Algorithm Utilization for the Students Knowledge Evaluation Under an Intelligent Tutoring System Iuliana Dobre	60
8	Using the Conceptual Map Method in the Teaching of Fundamental Concepts of Electromagnetism Ionel Grigore, Cristina Miron, Emil Stefan Barna	66
9	The Design of an Intelligent Tutoring System Using the Natural Language Processing Technologies Iuliana Dobre	73
10	Designing E-Learning Courses Using Lectora Florentina Alina Toader, Elia Georgiana Dragomir	80
11	The Vee Heuristic Applied for Teaching/Learning Hydrogen Atom in High School Claudia Cziprok, Cristina Miron, F. F. Popescu	85
12	Study Ohm's Law using Different Types of Experiments Daniela Stoica, Cristina Miron, Al. Jipa	92
13	Modern methods of introducing basic Physics concepts Ioana Stoica	98
14	Acceptance of New Learning and Teaching Methods by Students	102

	Krastev Krasimir , Yorgova Radostina , Dineva Snejana	
15	Design and Development of Efficient E-learning Courses	108
	Veselina Nedeva, Snejana Dineva	
16	Conditions That Can Advance the Learning Effectiveness	115
	Dineva Snejana, Krastev Krasimir , Yorgova Radostina	
17	How Technology Influence Student Attendance and Success	123
	Snejana Dineva, Veselina Nedeva	
18	Opportunities for students to evaluate the electronic courses (According to the teacher)	128
	Zlatoeli Ducheve, Margarita Pehlivanova, Snejana Dineva	
19	Possibilities for students to evaluate and improve electronic courses (Students opinion)	135
	Zlatoeli Ducheve, Margarita Pehlivanova, Snejana Dineva	
20	Integrating Multimedia in Teaching/Learning Process by Pre-Service Teachers	142
	Iuliana Marchis	
21	An Effective Method for Semantic Richness Assessment of Electronic Content by Using WordNet Ontology	148
	Ahmad A. Kardan, Shabnam Teimoori	
22	Enhancing Collaborative Trust Management Systems by Considering Expertise Levels	155
	Ahmad A.Kardan, Reza Salarmehr	
23	Using a pilot e-dictionary to teach lexicography and raise dictionary awareness	160
	Raluca Sinu, Corina Silvia Micu	
24	Using ICT in Teaching: A View from Romanian Prospective Teachers	166
	Norica-Felicia Bucur, Oana-Rica Popa	
25	Self-directed learning in online environments	173
	Ana-Maria Cazan	
26	Textbook and digital course: what make differences?	178
	Elena Railean, PhD, Roman Ghica, MsD	
27	e -Skills for Applied Sciences Labs	183
	Constantin Dan Buioca, Mariana Buioca	
28	Geometry – science and art	190
	Luminița – Dominica Moise, Ruxandra Cristea	

Section TECH

NO	Paper and Authors	Page
29	Moses Software Raul Persa, Prof. drd. Cozma Georgeta	199

30	Applied Physics Projects Using the Arduino Platform Marin Oprea, Cristina Miron	204
31	Preliminary Experiences with a Tablet PC Based Learning Svetlana Čicević, Aleksandar Trifunović, Andreja Samčović, Milkica Nešić	211
32	Optimizing the Test Module in the Easy-Learning Platform Radu Rădescu, Valentin Pupezescu, Bogdan Soare	218
33	Reconfiguring the Chat Module in the Easy-Learning Platform Using New Technologies Radu Rădescu, Valentin Pupezescu, Bogdan Soare	225
34	DECIDE-IT Mihaela Coman, Dorothea Lidia Caraman	231
35	TOL4FOOD- Transfer of knowledge and training for European traditional food producers related to innovative quality control methodologies Mihaela Coman, Dorothea Lidia Caraman	234

Section SOFT

NO	Paper and Authors	Page
36	Using Web Service in Mobile Learning Environment Alin Zamfiroiu	241
37	Designing of Virtual Experiments for the Physics Class Marin Oprea, Cristina Miron	247
38	An Interdisciplinary Approach to the Process of Heat Transfer through Computer Assisted Experiments Daniela Stoica, Cristina Miron, Al. Jipa	253
39	On The Evaluating the Personnel of an Air Quality Monitoring Network Using an Agent Based System Elia Georgiana Dragomir	258
40	A software application for modeling the production planning in a flexible manufacturing system Florentina Alina Toader	264
41	Interactive Digital Textbooks for Math Learning Daly Marciuc, Petra Csereoka	268
42	Educational software: Linguistic Training method for foreign languages' speakers Natalia Burlacu	275
43	Design and Implementation of a Decision Support System for University Course Scheduling using Integer Linear Programming Amin Omidvar, Mohammad Amin Karbasi, Alireza Hashemi Golpayegani, Mohammad Mojadadi	282

Section Intel® Education

NO	Paper and Authors	Page
44	Using Artificial Intelligence to create a low cost self-driving car Ionut Alexandru Budisteanu	291
45	The Management of a Successful Project Prof. drd. Georgeta Cozma	299
46	Using Excel Spreadsheets to simulate the Electric Circuits of Alternating Current Ionel Grigore	306
47	Getting to Know Physics More by Using Computer Simulations Maria Dinica, Luminita Dinescu	313
48	Using new technology in kindergarten activities – a real necessity? Oana Roșu Stoican, Cornelia Ștefănescu, Valeriu Ștefănescu	320
49	Skills training methods of computer use among primary school teachers Cornelia Ștefănescu, Oana Roșu Stoican, Valeriu Ștefănescu	326
50	Analysis of the ICT impact on students, teachers and school practices Oana-Andreea Chișlișcă	331
51	Edmodo E-portfolios in EFL – A Case Study Anisoara Pop	337
52	Active, Collaborative and Constructivist Learning by Means of the new Information Technologies Alina Crișan, Roxana Enache	342
53	The Impact of Internet Use in the Learning Process Alina Crișan, Roxana Enache	347
54	Web application presentation of timetable for a university website Doru Anastasiu Popescu, Nicolae Bold	353
55	The introduction of digital educational resources to the educational process as a condition of Kazakhstan education modernization Orazbekova L.N., Berikkhanova G.E.	357