

2010 – Towards a Learning and Knowledge Society – 2030



Virtual Learning – Virtual Reality

**The 14th INTERNATIONAL CONFERENCE
ON VIRTUAL LEARNING**



TECHNICAL PROGRAM OF ICVL 2019

The Conference will be held in the **University of Bucharest,**
Faculty of Mathematics and Computer Science,
No. 14 Academiei Street, Ground Floor, BUCHAREST

Ground Floor - Conference Hall: Amphitheater "Spiru Haret"

SCHEDULE

SATURDAY – October 26, 2019 (Ground Floor, Amphitheater “Spiru Haret”)

08:30 - 09:00 - Registration Desk (Ground Floor)

09:00 - 09:30 - **Conference opening:** ICVL 2019: Amphitheater “Spiru Haret”, Ground Floor

09:30 - 10:45 – Plenary Session - Section **M&M**

10:45 - 11:30 - Plenary Session - Section **M&M**

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

12:00 - 17:00 Plenary Session - Section **M&M, TECH, SOFT** and **Intel® Education**

17:00 **Social program**

PLENARY SESSION

SATURDAY 09.30 - 11.30 and 12.00-17.00 Plenary Session
(Ground Floor, Amphitheater “Spiru Haret”)

Moderator: Dr. **Olimpius Istrate**

Section Models & Methodologies

N.O	Paper and Authors	Page
1	Blended Teaching and Learning and Implementation of Online Laboratories in STEM Education Using a Virtual Learning Environment Adrian Adăscăliței, Constantin Cuceș, Marin Vlada, Ashraf Salah El-Din Zein El-Din	
2	Onto-DeclarProg: An Educational Ontology for Declarative Programming Mihaela Oprea	
3	On the Development of a Student Evaluation Model Mihaela Oprea	
4	On the Development of Educational Applications of Artificial Intelligence Mihaela Oprea, Alina Ilă, Ștefan Neagu, Cătălin Zaman	
5	Digital Citizenship in Higher Education: What Students Should Know Gabriela Grosseck, Laura Malița, Ramona Bran, Carmen Holotescu	
6	E-Learning Urban Landscape Changes in Post-Socialist Romania Using Digital Mapping Oana-Ramona Ilovan, Zoltan Maroși, Emanuel-Cristian Adorean, Cosmina-Daniela Ursu, Béla Kobulniczky, Maria Eliza Dulamă, Alexandra-Maria Colcer	
7	Studying the Urban Landscape at University: Web-based Research and Visual Imagery Oana-Ramona Ilovan	
8	Increasing Generation Z Geography Students’ Learning through Didactic Films in University Maria Eliza Dulamă, Cosmina-Daniela Ursu, Oana-Ramona Ilovan, Cristina-Georgiana Voicu	
9	Using smart board in pre-university education in Romania Ramona Angelica Georgiana Zoltan, Ioana Cristina Magdaș, Maria Eliza Dulamă	
10	Modalities of using the smart board in elearning to Mathematics and environmental exploration Ioana Cristina Magdaș, Ramona Angelica Georgiana Zoltan, Maria Eliza Dulamă	
11	The role and effectiveness of digital products in instruction at Mathematics and Environmental Exploration Ioana Cristina Magdaș, Sanda Vereș, Maria Eliza Dulamă	
12	Online Apps, Web Sources and Electronic Devices: Learning through Discovery about Valea Ierii [Iara Valley] George-Mihai Rus1, Maria Eliza Dulamă, Cosmina-Daniela Ursu, Alexandra-Maria Colcer, Oana-Ramona Ilovan, Ioan Sebastian Jucu, Csaba Horvath	
13	Using Tracker as Augmented Reality Tool in Teaching Physics Sorin Trocaru, Catalin Berlic, Cristina Miron, Valentin Barna	
14	The premises of the digitization policies of the European Union: transposition approaches in the educational system of the Republic of Moldova	

	Natalia Burlacu	
15	Implementation of a Document Camera as an Information Tool for Obtaining Optical Characteristics of Food Products Zlatin Zlatev, Barbara Sturm, Vanya Stoykova	
16	Application of Mobile Devices in The Training of Aromatic Products Analysis from Essential Oil Plants Stanka Baycheva, Zlatin Zlatev	
17	Application of a document camera as a technique which makes training attractive Mariya Georgieva-Nikolova, Vanya Stoykova	
18	Application of a Document Camera for Vine Leaves Color Measurement Krasimira Georgieva, Miglena Kazakova	
19	Paper-8 Application of Geometric Elements in Fabric Design Training Julieta Ilieva, Genoveva Milusheva	
20	Application of A Traffic Light System for Public Transport Vehicle Drivers Training Atanas Ivanov	
21	Challenges to Designing Tests to E-Evaluate the Theoretical Training of Students in Pedagogical Disciplines Ivanka Shivacheva-Pineda	
22	Method for Automated Generation of Test Questions in Moodle Tanya Pehlivanova, Kamen Kanchev	
23	The importance of visualization in e-learning courses Snejana Dineva	
24	Digital Generation and Visualization in E-Learning Snejana Dineva, Veselina Nedeva, Zlatoeli Ducheveva	
25	Readiness and Attitudes for Self-Development of Students' Digital Competences/Self-Assessment of Students from FTT - Yambol Zlatoeli Ducheveva	
26	The Use of MOODLE in the Discipline "Chemistry of Natural Compounds" Ira Taneva	
27	Improve critical thinking skills for students of FTT – Yambol Nedeva Veselina, Dineva Snejana	
28	Application of Color Analysis in Bread-Technology Training Gjore Nakov	
39	Learning of Silhouette Shapes in Women's Clothing Petya Dineva	
30	Learning of Foreign Direct Investment and Their Impact on Main Economic Indicators of the Region Petya Atanasova	
31	New technologies and teaching ecology Snejana Dineva	
32	Prevention of Cheating when Using Quizzes in Moodle Tanya Pehlivanova	
33	Hierarchical Interdependence of Language Aspects in Virtual Educational Environment	

	Iryna Vereitina, Oksana Popel, Natalya Dobrovolska, Yurii Baidak	
34	Using Distance Educational Methods For Training People, Experienced High Psycho-Emotional Stress Olga Volkova, Oksana Besschetnova, Pavel Kadutsky, Anastasia Bembena	
35	An approach to using Instagram in secondary education Danijela Stojanović, Zorica Bogdanović, Marijana Despotović-Zrakić, Tamara Naumović, Miloš Radenković	
36	Specific Opportunities for Visualization a Reason for Modern Interior Design Education Katerina Despot, Vaska Sandeva, Miroslav Vasilev	
37	Tutorial for Improving Student Skills in the Area of Power Quality Mariana Iorgulescu	
38	The Road from Blackboard Learning Management System to Moodle Learning Management System in Modern Universities Lucian Daniel Berechet, Mircea Georgescu	
39	A Learning Journey from ICT teaching to Reflective Practice Simona Gabureanu, Cristina Tripon	
40	About learning and innovation skills-a self-perception of critical thinking competency profile of future ICT teachers Cristina Tripon, Simona Găbureanu	
41	Social media in the educational environment. What? How? Why? Andreea Maria Vișan, Beatrice Hellen Almășan, Alina Orășanu	
42	E-tutor educational support for digital organization: theory or practice in university life Beatrice Hellen Almășan	
43	Web Based Tools for Education Anisoara Dumitrache, Mihaela Gheorghe	
44	Designing Virtual Learning Systems: Current Trends and Evaluation Anata-Flavia Ionescu	
45	Computer-Based Learning of Cotton Drawing Mariana Ichim, Costică Sava	

Section Technologies and Virtual Laboratory

N.O	Paper and Authors	Page
46	Monitoring and Alarming System for an Gas Central Heating Boiler Mihai Bogdan	
47	Greenhouse Monitoring and Control of Temperature and Soil Moisture Mihai Bogdan	
48	Gaming simulator and industrial software tandem for industrial applications Andrei Morlovea, Dorin Marin, Robert Beloiu	
49	Software tools for logical equations in robotics programming Robert Beloiu	
50	Using Tracker as Augmented Reality Tool in Teaching Real Oscillator Model in Physics. Sorin Trocaru, Catalin Berlic, Cristina Miron, Valentin Barna	
51	The Potential of the Robotic Process Automation in the Field of Education Turcu Cristina, Turcu Cornel, Gherman Ovidiu	
52	Online environment, the places where employers meet the new generation Liliana Cismariu (Zepa), Gabrie, Mugurel Dragomir, Mariana Cernicova-Buca	
53	Generation Z and Social Media Liliana Cismariu (Zepa), Daniel Liviu Ciurel, Ioan Hosu	
54	Virtual internship in higher education for transferring research and innovation through project based training Mariana Ursache, Luminița Ciobanu, Savin Dorin Ionesi	
55	Development of microlearning courses for training personnel in the textile industry Adrian Buhu, Liliana Buhu	
56	The use of digital resources in modern parenting Ruxandra Chirca, Georgeta Pânișoară, Cristina Ghiță	
57	Technology Acceptance of a Hybrid Brain-Computer Interface for Instruction Manual Browsing Gheorghe-Daniel Voinea, Răzvan Boboc, Florin Gîrbacia, Cristian-Cezar Postelnicu	
58	Usability Assessment of a Multimodal Hybrid Interface for Robotic Arm Command Răzvan Boboc, Gheorghe-Daniel Voinea, Cristian-Cezar Postelnicu, Florin Gîrbacia	
59	E-learning as a Service: Benefits of the Semantic Web and SOA for Virtual Learning Anata-Flavia Ionescu	

Section Software Solution

N.O	Paper and Authors	Page
60	An E-Learning Application for the Study of Data Compression Based On Delta Transformation Radu Rădescu	
61	E-Work Platform for Automatic Creation and Intelligent Management of Tasks in Collaborative Applications Radu Rădescu	
62	Fire simulation software Robert Beloiu	
63	Structure Design of the Control Test Examples in Solving Programming Tasks Galya Shivacheva	
64	Domain Testing Applied with Emphasis on Variable Constraints Maria-Camelia Chisăliță-Crețu	
65	Use of semantic web technologies for interactive learning Grbić Ilija, Stanković Milan, Kupusinac Aleksandar	
66	COMSOL model for simulating the mine natural ventilation to power a wind turbine Alexandru Danesc, Sanda Voinea	
67	Software Application for Automatic Correction of Tests with Multi Choice Answer Corina Savulescu	
68	Teaching cultural heritage with emerging technologies Ancuta Florentina Gheorghe, Ioana Andreea Stefan, Antoniu Stefan	
69	Data Science Analysis of Examination Results on Biophysics at Trakia University Stara Zagora Miroslav Karabaliev, Bilyana Tacheva, Boyana Paarvanova	
70	Enhanced Elearning Application for Data Mining in a NoSQL Distributed Database Management System Pupzescu Valentin, Dragomir Marilena-Cătălina	
71	Design of Web Database Applications with Interfaces Containing Grids with Multiple Data Querying Possibilities Liviu Șerbănescu, Mihaela-Adina Mateescu	

Section Intel® Education

N.O	Paper and Authors	Page
72	Mathcad interactive didactic tools for calculating the magnetic force Adriana Radu, Ionel Grigore, Cristina Miron	
73	Examples of using Excel spreadsheets to calculate the gravitational force Ionel Grigore, Daniela Stoica, Cristina Miron	
74	Cmap Tools and Tracker used for studying the harmonic oscillator Fabiola-Sanda Chiriacescu, Bogdan Chiriacescu, Cristina Miron, Valentin Barna, Cătălin Berlic	
75	Whiteboard Animation – A Way to Ease the Understanding of Special Theory for the Relativity Principles Consequences Bogdan Chiriacescu, Fabiola-Sanda Chiriacescu, Cristina Miron, Valentin Barna, Cătălin Berlic	
76	Building and monitoring the aquaponics experimental lab for students Sanda Voinea, Serenella Dinu, Bianca Ladaru	
77	Smartphone used in physics experiments Marilena Colt, Corina Sebe	
78	Using the Einstein Tablet in an interdisciplinary context Marilena Colt, Daniela Stoica, Corina Sebe, Mihai Popescu	
79	Teaching strategies of learning Flavia Mălureanu, Luiza Enachi-Vasluianu	
80	Values of the organisational culture in schools Luiza Enachi-Vasluianu, Flavia Mălureanu	
81	Applications of e-Learning in textile and leather engineering education Carmen Tita	
82	Cyberbullying As a Form of Youth's Destructive Behavior in Russia Anastasia Besschetnova	
83	Use of remote technologies in educational work on prevention of occupational diseases of employees in field of education Artem Vvedensky, Alexandr Zudin	
84	Practice of implementation of remote education projects by insurance within mandatory and voluntary medical insurance (case-study) Abubakirov Andrei, Snegireva Julia, Zudin Alexandr	
85	Paper-88 Problems of development of remote training as a tool for advancement of professional qualification of healthcare professionals Aksenova Elena, Zudin Alexandr	
86	Learner's Outcome Enhancement through Scaffolding in Collaborative Game Based Learning Zahra Tofighi, Fattaneh Taghiyareh, Ramin Abdolmaleki	
87	PETA: Persuasion Techniques Awareness through Game-Based Learning Alireza Moeinfar, Fattaneh Taghiyareh	

