



4th WORLD CONFERENCE on INFORMATION TECHNOLOGY (WCIT-2013)

Maison N.-D. Chat d'Oiseau BRUSSELS, BELGIUM

(Draft)

PROGRAMME BOOK

Sponsors

Bahcesehir University, Turkey

Near East University, North Cyprus

Abay Kazak National Pedagogical University, Kazakhstan

Association for Human, Science, Nature, Education and Technology (AH-TEC)

Organization

Academic World Education and Research Center

Non-profit international organization

4th WORLD CONFERENCE on INFORMATION TECHNOLOGY

IMPORTANT EVENTS

26 – 27 November 2013	
08:30 – 19:00	Registration

26.11.2013 09:30 – 10:00	Opening Ceremony	1
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TIME	TITLE	SPEAKER	HALL NAME
26.11.2013 10:00 – 10:50 Keynote	“Security, Trust, Privacy Issues and Challenges Towards Cyber-Physical Systems”	Prof. Dr. Mehmet Ufuk Çağlayan, Bogazici University, Turkey	1

26.11.2013 10:50 – 11:20	Coffee Break
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13:00 – 14:00	Lunch Break
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26.11.2013 16:00 – 16:40	Coffee Break
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26.11.2013 19:00 – 19:20	Closing Ceremony
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27.11.2013 09:00 – 18:00	Free Tour Daily Bruges Tour (The City of Chocolate, Canal and Colors)
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26 / 11 / 2013, Tuesday

26.11.2013 09:30 – 10:00	Opening Ceremony	1
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TIME	TITLE	SPEAKER	HALL NAME
26.11.2013 10:00 – 10:50 Keynote	"Security, Trust, Privacy Issues and Challenges Towards Cyber-Physical Systems"	Prof. Dr. Mehmet Ufuk Çağlayan, Bogazici University, Turkey	1

26.11.2013 10:50 – 11:20	Coffee Break
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ORAL PRESENTATIONS SESSION – I, 11:20 – 13:00

Hall 1,

Session Cahir :		
TIME	TITLE	PRESENTER(S)/AUTHOR(S)
11:20 – 11:40	Forest Fire Prediction: A comparative study of applicability of fire weather indices for Lebanon	Ali Ihsan Karouni, Bassam Daya, Samia Bahlak
11:40 – 12:00	Role of Information Technology in human life	Som Bahadur Bahadur Tamang
12:00 – 12:20	A Level Set Method with Sobolev Gradient and Haralick Edge Detection	Evgin Goceri, Esther Dura Martinez
12:20 – 12:40	A hybrid system via Support Vector Machine and Principal Component Analysis for Drilling Holes Soil Sample	Ali Ulvi Uzer, Mustafa Serter Uzer
12:40 – 13:00	Prioritization of Graduate Education Courses with Analytic Hierarchy Process	Kemal AKYOL, Baha ŞEN, Salih GÖRGÜNOĞLU

Hall 2,

Session Cahir :		
TIME	TITLE	PRESENTER(S)/AUTHOR(S)
11:20 – 11:40	Barcodes and Optical Character Recognition in Automation: the Automotive Industry Case Study	Vladimir Bures, Tereza Otčenášková
11:40 – 12:00	Evaluating Online and Offline Reading Software for Young Learners	Eileen Wood
12:00 – 12:20	Life style of adolescent male convicts and their values of social life: family aspect	Rimvydas Augutavicius, Vida Gudzinskiene
12:20 – 12:40	ADHD/Autism Disorders Clustering Method Using Korean Morphology Analyzer with Observed Behaviors Data	Won-Seok Kang
12:40 – 13:00	The Importance of Univariate Logistic Regression Analysis in Logistic Regression Analysis	Kemal AKYOL, Elif ÇALIK, Baha ŞEN, Doğan ÇALIKOĞLU

Hall 3,

Session Cahir :		
TIME	TITLE	PRESENTER(S)/AUTHOR(S)
11:20 – 11:40	“Internet Is a Complex Information World”: A Metaphor Analysis of IT Students’ Internet Perception	Mehmet Firat
11:40 – 12:00	Wi-Fi environment analysis for indoor localization	Rock Hyun Choi
12:00 – 12:20	A Case Study: Effect of ABC-based Feature Selection Algorithms on Breast Cancer Diagnosis	Mustafa Serter Uzer, Nihat Yilmaz, Onur Inan
12:20 – 12:40	Software applications for visualisation in automation	Vladimir Bures, Tereza Otčenášková
12:40 – 13:00	Brain emotional learning based Brain Computer Interface with Independent Component Analysis	Abbas Najafizadeh, Abdolreza Asadighanbari

Hall 4,

Session Cahir :		
TIME	TITLE	PRESENTER(S)/AUTHOR(S)
11:20 – 11:40	Forest Fire Prediction: A proposal for a hybrid index	Ali Ihsan Karouni, Bassam Daya, Pierre Chauvet
11:40 – 12:00	Pheromone inspired Morphogenic Distributed Control fo Self-Organization of Unmanned Aerial Vehicle Swarm	Kiwon Yeom
12:00 – 12:20	The genesis of hyper-organizational forms: A postmodern perspective on the isomorphic implications of intra-organizational diffusion	Helge Johansen
12:20 – 12:40	Realization of an Approach Based on Cellular Automata and Parameters Impact to Model Forest Fires Crisis	Ali Ihsan Karouni, Bassam Daya, Pierre Chauvet
12:40 – 13:00	Applying Decision Tree in a Multi-Sensor Monitoring System for Fall Detection	Abbass Ballit, Shadi Khawandi, Bassam Daya

Hall 5,

Session Cahir :		
TIME	TITLE	PRESENTER(S)/AUTHOR(S)
11:20 – 11:40	A Recurrent Neural Network Model For Lamprey-like Robot Movement	Bassam DAYA, Malek CHAHINE, Rasheed AWAD
11:40 – 12:00	Identifying Discriminatory Characteristics Location in an Iris Template	Alaa Hilal, Pierre Beausery, Bassam Daya
12:00 – 12:20	Fuzzy PD Control Design using PSO for the Stabilization of a Quadrotor	Hamid BOUBERTAKH, Sarra BENCHAREF, Salim LABIOD
12:20 – 12:40	The Perspectives and Implications and of Sharing Processes within Organisations	Tereza Otcenaskova, Karolina Kolerova
12:40 – 13:00	Investigating of pre-service teachers’ attitudes towards using computer according to their emotional intelligence	Fatma Merve Ulusoy, Ayşem Seda Önen

13:00 – 14:00	Lunch Break
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SESSION – II; 14:00 – 16:20

Hall 1,

Session Chair :		
TIME	TITLE	PRESENTER(S)/AUTHOR(S)
14:00 – 14:20	Determining Critical Success Factors for Digital Economy: A study on ICT Readiness from User Perspective	Ali Salman, Hazita Azman, Norizan Abdul Razak, Samsinar Md. Sidin, Supyan Hussin
14:20 – 14:40	Online Multiple Intelligence Teaching Tools (On-Mitt) For Educators	Siti Nurul Mahfuzah Mohamad
14:40 – 15:00	Sharing within company clusters and other network organizations: Possible use of the sharing frame implemented within the time banks	Lukas Valek, Karolina Kolerova, Tereza Otcenaskova
15:00 – 15:20	Brain-Computer Interface for Controlling a Mobile Robot Utilizing an Electroencephalogram Signals	Abdel Ilah Noor Alshbatat
15:20 – 15:40	Aligning Teaching Methodology with Technology	Srinivas Kolli, Mark Angelo Torrente Libantino
15:40 – 16:00	Creation of Flexible Business Models of Organizations	Karolína Kolerová, Hana Mohelská
16:00 – 16:20	Interactive Whiteboard Implementations: A Comparative Analysis	Srinivas Kolli

Hall 2,

Session Chair :		
TIME	TITLE	PRESENTER(S)/AUTHOR(S)
14:00 – 14:20	Creation of Flexible Business Models of Organisations II	Karolína Kolerová, Hana Mohelska
14:20 – 14:40	REACH 4 P3 – Risk Evaluation, Analysis & Classification for Hierarchical Process & Project Plans	Zsolt Tibor Kosztyán
14:40 – 15:00	Fuzzy analysis of soil damage and creation of RGB maps	Michal Gréč
15:00 – 15:20	How Can We Improve Text Comprehension on Web Pages?	Rita Mátrai, Zsolt Tibor Kosztyán
15:20 – 15:40	Determining Digital Maturity in a Digital Economy: A Study among ICT Users	Hazitia Azman, ALI SALMAN, Supyan Hussin, Mohd Safar Hasim, Musa Hassan
15:40 – 16:00	Analysis of Influential Factors on the Sharing of Information and Knowledge within Organizations	Karolina Kolerova, Tereza Otcenaskova, Vladimir Bures
16:00 – 16:20	Model Driven Architecture, Software product line: Towards a combination based on variable models	Mohamed Salah Benselim
16:20 – 16:40	Application Aspect of Distributed Cognition Methods on Teamwork Design	Dilek Karahoca, Gözde Ayşe Tataroğlu

Hall 3,

Session Cahir :		
TIME	TITLE	PRESENTER(S)/AUTHOR(S)
14:00 – 14:20	Social media habits and usage by university students	Laura Florina Malita
14:20 – 14:40	One approach for development and assessment of ICT teachers competencies in multimedia educational environment	Evgenia Goranova, Daniela Tuparova, Margarita Teodosieva
14:40 – 15:00	Assessing undergraduate ESL students' learning practices using iELLS-W (Interactive English language literacy system-writing)	Nor Fariza Mohd Nor, Hazita Azman, Afendi Hamat, Noorizah Mohd Noor, Kesuma A. Bakar
15:00 – 15:20	Support Vector Machine Parameter Optimization Method using Particle Swarm Optimization for Electrocardiogram Classification	Sanghun Yun, Won-Seok Kang, Hyeong-Oh Kwon
15:20 – 15:40	Robust and lightweight routing with attractor selection	Naotaka Onzuka
15:40 – 16:00	The Evaluation Criteria for the Purchase of the CRM	Jan Němeček
16:00 – 16:20	Gesture based Interaction System with Virtual Reality Environments	Oana Vultur
16:20 – 16:40	Survey of the rate of skill in Using Information Technology by nursing Students-Iran	Leila Safabakhsh, Mozhgan Jahantigh

Hall 4,

Session Cahir :		
TIME	TITLE	PRESENTER(S)/AUTHOR(S)
14:00 – 14:20	Risk-based decision support for conformity control under uncertainty	Csaba Hegedus
14:20 – 14:40	Matrix planning method for handling maintenance projects	Anikó Németh, Zsolt Tibor Kosztján
14:40 – 15:00	Design and selection of risk-based control charts	Csaba Hegedus, Zsolt Tibor Kosztján, Attila Katona
15:00 – 15:20	The analysis of the negative perception of the implementation of LEAN methods in the enterprise	Jiri Ansorge
15:20 – 15:40	Human computer interaction by using of high-tech in high schools	Marián Hostovecký
15:40 – 16:00	Computer literacy of Slovak high school students: their prerequisite and real skills	Marián Hostovecký
16:00 – 16:20	Neurocognitive assessment with computer among patients with brain tumor	Afsaneh Zarghi

Hall 5,

Session Cahir :		
TIME	TITLE	PRESENTER(S)/AUTHOR(S)
14:00 – 14:20	Decorate Ensemble of Decision Tree for Seminal Quality Classification	esra mahsereci karabulut, turgay ibrikci
14:20 – 14:40	Corporate factors affecting the length of employment	Václav Zubr
14:40 – 15:00	Impacts of human resources on project planning	Marcell Kurbucz
15:00 – 15:20	Issues in Internet of Things for Wellness Human-Care System	Jae Sung Choi
15:20 – 15:40	A Study on the Flower image recognition in mobile environments	Hyo-Haeng Lee, Jung-Hyun Kim, Kwang-Seok Hong
15:40 – 16:00	Three-Dimensional Mobile User Interface Using Finger Gestures and a Rear-Facing Camera	Byung-Hun Oh, Kwang-Seok Hong
16:00 – 16:20	The Virtual Telecentre – A Community-Needs Driven Telecentre Technology Evolution Inspired by eBario	Chong Eng Tan, Poline Bala

16:00 – 16:40	Coffee Break
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SESSION – III; 16:40 – 19:00

Hall 1,

Session Cahir :		
TIME	TITLE	PRESENTER(S)/AUTHOR(S)
16:40 – 17:00	Studies on Usability of Mobile Applications: Review	Muhammed Fatih Adak, Nejat Yumuşak
17:00 – 17:20	A New Data Elimination Method Based on Clustering Algorithms for Diagnosis of Diabetes Diseases	Onur Inan, Nihat Yılmaz, Mustafa Serter Uzer
17:20 – 17:40	The Effects of Interactive Whiteboards on Teachers and Students	Srinivas Kolli
17:40 – 18:00	Innovation as a competitive advantage and corporate social responsibility II	Vaclav Zubr, Marcela Sokolova
18:00 – 18:20	Low-cost Interactive Whiteboard Using Wearable Infra-red Device: A Case Study	Srinivas Kolli
18:20 – 18:40	Innovation as a competitive advantage and corporate social responsibility I	Vaclav Zubr, Marcela Sokolova
18:40 – 19:00	EEG-based Emotion Classification using Bayesian Belief Network in Pleasant and Unpleasant Odorant Stimuli	Hyeong-Oh Kwon, Won-Seok Kang, Sanghun Yun
19:00 – 19:20	Qualification Perception of Academics in Universities for Innovation Management	Dilek Karahoca, Ayça Kurnaz

Hall 2,

Session Cahir :		
TIME	TITLE	PRESENTER(S)/AUTHOR(S)
16:40 – 17:00	The vulnerability of web applications, proposed countermeasures	Monika Simkova
17:00 – 17:20	CAME: new concept of extended technological learning environment with web 2.0. Leading and helping teachers to use a constructivist and cultural convergence perspective	Pier Giuseppe Ellerani, Cosimo Elefante, Andrea DeFerraris
17:20 – 17:40	Make-or-buy decision making model in the Vietnamese industrial companies	Minh Dang Nguyen
17:40 – 18:00	Discrimination of Herbicide Residues using a CP Electronic-nose Technology	Alphus Dan Wilson
18:00 – 18:20	Children and young people in the digital age: The nature and prevalence of risks, harmful effects, and risk and protective factors, for mobile and internet usage	Peter K Smith
18:20 – 18:40	Information Technology Behavior: IT use and Cyberbullying behavior in Thailand	Ruthaychonnee Sittichai
18:40 – 19:00	Barriers to health IT	marjan laa

Hall 3,

Session Cahir :		
TIME	TITLE	PRESENTER(S)/AUTHOR(S)
16:40 – 17:00	New technologies and new models of distance university	Maria Amata Garito
17:00 – 17:20	Interactive Integrated Online Registry for Multiple Sclerosis based on Existing Patient-, Neurologist-and Care-centered Online Data Systems. A discussion paper	Peter Joseph Jongen
17:20 – 17:40	LOT and Supply Chains	Ela Sibel Bayrak Meydanoğlu
17:40 – 18:00	Density based quality control processes in network security	Murat Topaloğlu, Egemen Tekkanat
18:00 – 18:20	Real time control of big data sets in DLP architecture	Murat Topaloğlu, Egemen Tekkanat
18:20 – 18:40	Exploring Adult Learners' Readiness for E-Learning: A Case Study	Emily Tieng Ping WEE, Choon Lang QUEK
18:40 – 19:00	The effectiveness of explicit grammar instruction on avoiding run-on sentences	Kadriye Aksoy

Hall 4,

Session Cahir :		
TIME	TITLE	PRESENTER(S)/AUTHOR(S)
16:40 – 17:00	An Application of Automatic Motion to Command Recognition Using HMMs Algorithm for Android Phones	Mark Angelo Libantino
17:00 – 17:20	Utilization of 27002 Standard for IT Security Controls by key performance indicators Approach	Yaghoub Farjami, Behnam Ershadian, Mehrdad Peidaie
17:20 – 17:40	A Comprehensive Analysis to Identify Key Influencing Factors on the Cloud-based Service Adoption in Indian SMEs	Ergun Gide, Raj Sandu
17:40 – 18:00	The survey Relationship Between Business Intelligence and Business Performance in Saderat Bank of Ardebil Province	Muosa Seyfbabolani, Reza Najari
18:00 – 18:20	The role of Information Technology and Tourism in Ghana	Selira Kotoua
18:20 – 18:40	Children and Information Technology	Mamadou Youssouf Thiam
18:40 – 19:00	New Generation of Management Information Systems	Ivan Paul Marschik

Hall 5,

Session Cahir :		
TIME	TITLE	PRESENTER(S)/AUTHOR(S)
16:40 – 17:00	The Review role of personality constructs in using of Facebook	Mohamadreza Khodabakhsh, Fariba Kiani
17:00 – 17:20	Using the Artificial Immune Systems and Neural Network to Optimize the Turning Process of AISI 4140 Steel	İlhan Asiltürk, Hümeyra Kahramanlı, Hazim El Mounayri
17:20 – 17:40	Persistence of the value-oriented business process models	Jaroslav Sevcik, Jaroslav Zacek, Frantisek Hunka
17:40 – 18:00	Comparison of Complementary and Kalman Filter for the Two Wheeled Balance Robot Control	Omer Aydogdu
18:00 – 18:20	Using Various NTSE Virtual Laboratory Resources for Developing the Students' Knowledge Related to Nanoscience and Nanotechnology	Laura Monica Gorghiu, Gabriel Gorghiu, Radu Lucian Olteanu, Crinela Dumitrescu
18:20 – 18:40	The Specific Barriers of Implementation of the CRM for Small and Medium-size Companies	Jan Němeček
18:40 – 19:00	Possibilities for competency assessment in open source e-learning environments – a comparative study	Hristina Kostadinova, Mariana Raykova, Geogi Tuparov, Daniela Tuparova

Hall 6,

Session Cahir :		
TIME	TITLE	PRESENTER(S)/AUTHOR(S)
16:40 – 17:00	Educational Case Studies Related to Promote Nanoscience and Nanotechnology Issues in Science Education, Based on ICT Tools	Gabriel Gorghiu, Laura Monica Gorghiu, Carmen Antonescu, Nadia Badoiu
17:00 – 17:20	Portal migration to JSR-286 standard methodology	Jaroslav Zacek
17:20 – 17:40	REA key elements identification	Zdenek Melis, Jaroslav Sevcik, Jaroslav Zacek, Frantisek Hunka
17:40 – 18:00	Multipurpose nutrition software for health professionals: students and dietitians	Laura Grecu
18:00 – 18:20		
18:20 – 18:40		
18:40 – 19:00		

26.11.2013 19:00 – 19:20	Closing Ceremony
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27 / 11 / 2013, Wednesday

27.11.2013 09:00 – 18:00	Free Tour Daily Bruges Tour (The City of Chocolate, Canal and Colors)
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