

Programme



BCI 09 4th Balkan Conference in Informatics

September 17-19, 2009
Capsis Hotel, Thessaloniki, Greece





Thessaloniki, Greece

<http://www.bci-conferences.org/>

The Aim

BCI'2009 is the 4th Balkan Conference in Informatics, following BCI'2007 held in Sofia, BCI'2005 held in Ohrid, and BCI'2003 held in Thessaloniki. The aim of the conference is to provide a forum for discussions and dissemination of research achievements, to promote interaction and collaboration among scientists from the Balkans and beyond, and to encourage involvement of young researchers from the region.

Organized By:



THE CONFERENCE AT A GLANCE

	Thursday 17 September		Friday 18 September		Saturday 19 September	
9.00 - 9.30	Registration Room A		Registration Room A		Registration Room A	
9.30 - 11.00	Invited Talk Prof. Dr. Keith G. Jeffery <i>(Director, Information Technology & International Strategy, Science and Technology Facilities Council, Rutherford Appleton Laboratory)</i> "The New Technologies and the New Challenges for Informatics"		Invited Talk Mr. Michail Bletsas <i>(Director of Computing, MIT Media Lab)</i> "A Brief History of OLPC and what I Learned from it"		Invited Talk Prof. Dr. Dimitris Karagiannis <i>(Professor at University of Vienna, Austria)</i> "Modelling Semantics in Service-Oriented Environment"	
11.00 - 11.30	Coffee Break		Coffee Break		Coffee Break	
	Room A	Room B	Room A	Room B	Room A	Room B
11.30 - 13.00	Session 1: Web Technologies	Session 2: Text Processing - Software Engineering I	Session 7: Algorithms and Theory II	Session 8: Artificial Intelligence	Session 13: e-Issues - Data Management II	Session 14: Informatics Education - e-Learning II
13.00 - 14.30	Lunch		Lunch		Closing	
	Room A	Room B	Room A	Room B	Room A	Room B
14.30 - 16.00	Session 3: Informatics Applications I - Algorithms and Theory I	Session 4: Software Engineering II	Session 9: Agents - Distributed Systems II	Session 10: Computer Networks	Workshop: Session 2	
16.00 - 16.30	Coffee Break		Coffee Break			
	Room A	Room B	Room A	Room B	Room C	
16.30 - 18.00	Session 5: Distributed Systems I	Session 6: Informatics Application II	Session 11: Data Management I	Session 12: e-Learning I	Workshop: Session 3	

DETAILED PROGRAMME

Thursday (morning) 17th of September		
9.00 - 9.30	Registration	
9.30 - 9.45	Opening (Room A)	
9.45 - 11.00	<p>Invited Talk</p> <p>Prof. Dr. Keith G. Jeffery <i>(Director Information Technology & International Strategy, Science and Technology Facilities Council, Rutherford Appleton Laboratory)</i></p> <p>"The New Technologies and the New Challenges for Informatics" (Room A)</p>	
11.00 - 11.30	Coffee Break	
11.30 - 13.00	<p>Session 1: Web Technologies <i>Chair: Athena Vakali</i> (Room A)</p>	<p>Session 2: Text Processing - Software Engineering I <i>Chair: Demosthenis Stamatis</i> (Room B)</p>
	<p><i>Mining the Community Structure of a Web Site (regular)</i> Lefteris Moussiades and Athena Vakali</p>	<p><i>Bootstrapping the Albanian Information Retrieval (regular)</i> Nikitas Karanikolas</p>
	<p><i>On the Performance of SVD-based Algorithms for Collaborative Filtering (regular)</i> Manolis Vozalis, Angelos Markos and Konstantinos Margaritis</p>	<p><i>Options for converting Albanian written texts into speech (short)</i> Agni Dika and Mentor Hamiti</p>
	<p><i>Capturing User Session Orientation based on Semantic Analysis and Concept Taxonomy (regular)</i> Danai Vergeti, John Garofalakis and Theodoula Giannakoudi</p>	<p><i>Developing a Text Recognition Application to be Run on SEE-Grid Platform (short)</i> Esmeralda Kapcari and Betim Cico</p>
	<p><i>Integration of Semantic Web in an E-Learning Environment (regular)</i> Dorian Kokoshi and Betim Cico</p>	<p><i>Authorship identification of books in Albanian Language throughout Markov chains (short)</i> Hakik Paci, Denisa Salillari and Orges Cico</p>
	<p><i>OWL for the Masses: From Structured OWL to Unstructured Technically Neutral Natural Language (regular)</i> Ljubinka Gareva - Takasmanov and Ilias Sakellariou</p>	<p><i>Rapid prototyping of service-oriented applications on OSGi platform (regular)</i> Ioan Lazar, Istvan Gergely Czibula, Simona Motogna, Bazil Parv and Codrut Lucian Lazar</p>
	13.00 - 14.30	Lunch Break

Thursday (afternoon) 17th of September

14.30 - 16.00	Session 3: Informatics Applications I - Algorithms and Theory I <i>Chair: Keith Jeffery (Room A)</i>	Session 4: Software Engineering II <i>Chair: Alexander Chatzigeorgiou (Room B)</i>
	<i>Business Process Reengineering as a modernizing tool for the Public Administration – From Theory to Reality (regular)</i> Ioannis Chalaris and Sotiris Vlahopoulos	<i>On the Approximation of the Substitution Costs for Free/Libre (regular)</i> Kirsten Haaland, Ioannis Stamelos, Rishab Ghosh and Ruediger Glott
	<i>Academic Information Systems - Vision and Development (short)</i> Žarko Bodroški and Srđan Škrbić	<i>Computing metrics of AspectJ programs through AspectCover tool (short)</i> Elinda Meçe (Kajo) and Lorena Kodra
	<i>GIS application in hydrogeological albanian studies (short)</i> Ariana Bejleri and Teuta Myftiu	<i>The Automation Method of Elaboration Process of Structured Application Oriented to Services (short)</i> Magariu Nicolae
	<i>Automated Proving of the Behavioral Attributes (regular)</i> Gheorghe Grigoras, Georgiana Caltais, Eugen-Ioan Goriac and Dorel Lucanu	<i>Improving hardware and operating system utilization, Solaris Zones (short)</i> Genti Daci and Enid Vrenozaj
	<i>Morphological Algorithm for Color Objects Classification (regular)</i> Eugen Zaharescu	<i>Towards managing high availability services using open source virtualization technology (short)</i> Besnik Seitaj
		<i>On the Success of ERP systems: A comparative study between Open Source and Commercial Systems (short)</i> Leonidas Chatzithomas, Ioannis Stamelos, Ioannis Antoniadis and Thomas Fotiadis
16:00 - 16:30	<i>Coffee Break</i>	
16.30 - 18.00	Session 5: Distributed Systems I <i>Chair: Panagiotis Katsaros (Room A)</i>	Session 6: Informatics Applications II <i>Chair: Mirjana Ivanovic (Room B)</i>
	<i>Database Oriented Grid Middlewares (regular)</i> Efthymia Tsamoura and Anastasios Gounaris	<i>Privacy preserving in eLearning environment (Case of modelling Hippocratic database structure) (regular)</i> Vanja Bevanda, Jasmin Azemović and Denis Mušić
	<i>Load Balancing in a Cluster-Based P2P System (regular)</i> John Garofalakis and Theofanis Aristofanis Michail	<i>Animation of Behavioral Specifications through Code Generation for a Payment System (regular)</i> Ozan Deniz, Mehmet Adak and Halit Oğuztüzün
	<i>A cluster based authentication model for ad-hoc wireless networks (short)</i> Orion Shakaj	<i>Implementing Codesign in XILINX VIRTEX II PRO (regular)</i> Betim Cico and Hergys Rexha
	<i>IDS architecture and its role in detection of attacks in wireless networks (short)</i> Ardit Shehu, Arjan Durresi and Betim Çiço	<i>Data mining in prediction of surgical outcome (short)</i> Alda Kika, Ilija Ninka, Betim Cico and Ridvan Alimehmeti
	<i>A Survey on Attacks, Countermeasures and Authentication Mechanisms for Wireless Sensor Networks (short)</i> Raimena Veisllari and Betim Cico	<i>Identification of high salinity stress in ornamental plant by biosignal process (short)</i> Konstantinos Kalovrektis, Christos Likas and Evaggelos Fountas
End of Thursday Events		

Friday (morning) 18th of September			
9.00 - 9.30	Registration		
9.30 - 11.00	<p style="text-align: center;">Invited Talk</p> <p style="text-align: center;">Mr. Michail Bletsas <i>(Director of Computing, MIT Media Lab)</i></p> <p style="text-align: center;">"A Brief History of OLPC and what I Learned from it" (Room A)</p>		
11.00 - 11.30	Coffee Break		
11.30 - 13.00	<p style="text-align: center;">Session 7: Algorithms and Theory II <i>Chair: George Eleftherakis</i> (Room A)</p>	<p style="text-align: center;">Session 8: Artificial Intelligence <i>Chair: Petros Kefalas</i> (Room B)</p>	<p style="text-align: center;">Workshop - Session 1: (Room C)</p>
	<p><i>Efficient Testing of Random Number Sequences using Graphics Processing Units (regular)</i> Alin Suciu, Lidia Zegreanu and Catalin Zima</p>	<p><i>MIXPLAN: A CLP-based Mixed-initiative Planning System for Temporal Domains (regular)</i> Eleni Dagkli and Ioannis Refanidis</p>	<p style="text-align: center;">Workshop on</p> <p><i>Training and networking for WB-EU research cooperation in ICT for Learning and eLearning</i></p> <p><i>Training Session: Short training on contractual and financial rules, how to write a proposal, how to set up consortia, how to manage projects and finally how to disseminate results</i></p>
	<p><i>Secrecy for Bounded Security Protocols: disequality tests and an intruder with existentials lead to undecidability (regular)</i> Catalin Birjoveanu</p>	<p><i>Automated Model Design using Genetic Algorithms and Model Checking (regular)</i> Raluca Lefticaru, Florentin Ipate and Cristina Tudose</p>	
	<p><i>Parallel ENT (regular)</i> Kinga Marton and Alin Suciu</p>	<p><i>A task-based ontology engineering approach for novice ontology developers (regular)</i> Lambrini Seremeti and Achilles Kameas</p>	
	<p><i>Experimental Study on Variants of the Zhu-Takaoka String Matching Algorithm (short)</i> Panagiotis Michailidis</p>	<p><i>The Implementation of Artificial Neural Networks Using Reconfigurable Computing on FPGA with New Design Methodology (short)</i> Betim Cico and Anita Peta</p>	
	<p><i>Benchmarking the True Random Number Generator of TPM Chips (short)</i> Alin Suciu and Tudor Carean</p>		
13:00-14:30	Lunch Break		

Friday (afternoon) 18th of September			
14.30 - 16.00	Session 9: Agents - Distributed Systems II Chair: Gheorghe Grigoras (Room A)	Session 10: Computer Networks Chair: Betim Cico (Room B)	Workshop - Session 2: (Room C)
	<i>A collision detection and resolution multi agent approach using utility functions (regular)</i> George Valkanas, Pantelis Natsiavas and Nick Bassiliades	<i>Exploiting the Congestion Control Behaviour of the Transmission Control Protocol (regular)</i> Stefanos Harhalakis, Nikolaos Samaras and Vitsas Vasileios	Workshop on <i>Training and networking for WB-EU research cooperation in ICT for Learning and eLearning</i> <i>Best practices (EU and WB coordinators of Technology Enhanced Learning projects speaking about the project and their experience in FP)</i>
	<i>One to Many Monotonic Concession Negotiation Protocol (regular)</i> Costin Badica and Mihnea Scafeş	<i>Broadband business opportunities for utility based firms in the new era: modeling the competition (regular)</i> Georgios Angelou and Anastasios Economides	
	<i>Application of Machine Learning Techniques to Agents (short)</i> Alketa Hyso and Betim Çiço	<i>A Proposed Model for PBR Rules in the IPv6 Offering QoS for IPTV Broadcasting and Performance Evaluation of the PBR and QoS Control Routing for Multi-Channel Adaptive Streaming (PQMAS) Model (short)</i> Igli Tafa and Betim Cico	
	<i>Scheduling Gangs with Different Distributions in Gangs' degree of Parallelism in a Multi-Site System (regular)</i> Zafeirios Papazachos and Helen Karatza	<i>RADIUS Wireless Network User Authentication in Heterogeneous Operating Systems Environments (short)</i> Dusan Vuckovic, Martin Jovanovic and Dragan Jankovic	
	<i>Scalability and effectiveness of ad-hoc networks routing protocols in a sensor-node based scenario (short)</i> Fatjon Dauti		
16.00 - 16.30	<i>Coffee Break</i>		
16.30 - 18.00	Session 11: Data Management I Chair: Yannis Manolopoulos (Room A)	Session 12: e-Learning I Chair: Iraklis Paraskakis (Room B)	Workshop - Session 3: (Room C)
	<i>Privacy Preserving Record Linkage Using Phonetic Codes (regular)</i> Alexandros Karakasidis and Vassilios S. Verykios	<i>Implementing Collaborative e-Learning Techniques in Collaborative Virtual Environments: The case of Second Life (regular)</i> Thrasylvoulos Tsiatsos, Andreas Konstantinidis, Lazaros Ioannidis and Chrysanthi Tseloudi	Workshop on <i>Training and networking for WB-EU research cooperation in ICT for Learning and eLearning</i> <i>Networking Session: Presentation of project ideas (WBC researchers to present their ideas and look for partners)</i>
	<i>Dynamic Evolution and Improvement of Data Warehouse Design (regular)</i> Dragan Sahpaski, Goran Velinov, Boro Jakimovski and Margita Kon-Popovska	<i>Technology Tools for Scripted Collaborative Learning: The Case of the Reload Learning Design Player (regular)</i> Nikos Michailidis and Stavros Demetriadis	
	<i>Cluster-Based Similarity Search in Time Series (regular)</i> Leonidas Karamitopoulos and Georgios Evangelidis	<i>A Prototype Virtual Collaboration Environment for Sharing Medical Educational content (regular)</i> Stathis Konstantinidis, Panagiotis Bamidis and Eleni Kaldoudi	
	<i>Offering Increased Privacy Guarantees in Continuous Location Based Services (short)</i> Dimitrios Douras, Aris Gkoulalas-Divanis and Vassilios Verykios	<i>Introducing Adaptivity to eLessons on Object-oriented Programming (regular)</i> Zivana Komlenov, Zoran Budimac and Mirjana Ivanovic	
	<i>Adding a new site in an existing Oracle Multimaster Replication with Online Instantiation method without quiescing the Master Group (short)</i> Betim Cico, Hakik Paci and Parid Cico	<i>Software Construction of an Authoring Tool for Adaptive E-learning Platform (regular)</i> Dessislava Vassileva, Boyan Bontchev, Boryana Chavkova and Vladimir Mitev	
Gala Dinner			
End of Friday Events			

Saturday (morning) 19th of September		
9.00 - 9.30	Registration	
9.30 - 11.00	<p style="text-align: center;">Invited Talk</p> <p style="text-align: center;">Prof. Dr. Dimitris Karagiannis (Professor at University of Vienna, Austria)</p> <p style="text-align: center;">"Modelling Semantics in Service-Oriented Environment" (Room A)</p>	
11.00 - 11.30	Coffee Break	
11.30 - 13.00	<p style="text-align: center;">Session 13: e-Issues - Data Management II Chair: Christos Georgiadis (Room A)</p>	<p style="text-align: center;">Session 14: Informatics Education - e-Learning II Chair: Thrasyvoulos Tsiatsos (Room B)</p>
	<p><i>Assessing e-Readiness in SEE countries: Perceptions towards e-Government Public Services (regular)</i> Vasileios Zarimpas, Maria Grouztidou and Despina Anastasiadou</p>	<p><i>Suitable asynchronous distance education for size for working groups in informatics teachers training (regular)</i> Kiriakos Patriarcheas, Spyridon Papaloukas and Michalis Xenos</p>
	<p><i>Key Issues for the Quality Assessment of Mobile Commerce Services (regular)</i> Christos K. Georgiadis and Emmanouil Stiakakis</p>	<p><i>Towards a Pedagogic Methodology and Model: The ELEVATE Project (regular)</i> Andreas Konstantinidis, Iraklis Paraskakis, Thanassis Bouras, Kostas Perakis and Stelios Pantelopoulos</p>
	<p><i>Integration of e-libraries in e-universities: A technological approach (short)</i> Victoria Myroni and Andreas Pombortsis</p>	<p><i>Cooperative Learning: The Role of Extra-Curricula Activities (short)</i> Dimitar Christozov, John Galletly, Volin Karagiozov and Stoyan Bonev</p>
	<p><i>Faster estimation of the correlation fractal dimension using box-counting (regular)</i> Christos Attikos and Michael Doumpos</p>	<p><i>Tangible Programming Interfaces: A Literature Review (short)</i> Theodosios Sapounidis and Stavros Demetriadis</p>
	<p><i>An Interpreter for Priority Fuzzy Logic Enriched SQL (regular)</i> Srdjan Skrbic and Aleksandar Takaci</p>	<p><i>From Legacy Teaching Material to Learning Objects – Possible Conversion Model (short)</i> Zoran Putnik, Zoran Budimac and Mirjana Ivanovic</p>
Closing (Room A)		

CONFERENCE ORGANIZATION

Conference Chairmen

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- Costas Margaritis (University of Macedonia, Greece)

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