Central European Conference on Information and Intelligent Systems, CECiiS 2014

September 17th - 19th, 2014

Conference Program

Wednesday, September 17th

09:00 **10:00**	**REGISTRATION** Location: Ground floor hallway

10:00 **10:30**	**OPENING AND WELCOME SESSION** Location: 2nd floor, Room 1 **Chair:** Tihomir Hunjak

10:30 **11:15**	**INVITED LECTURE** Location: 2nd floor, Room 1 **Chair:** Tihomir Hunjak **Mitja Jermol** Head of the Centre for Knowledge Transfer and a project manager at Artificial Intelligence Laboratory at Jozef Stefan Institute ***Title:*** *Many Faces of the Intelligent Transportation*

11:15 **13:00**	**LUNCH BREAK** *(please, make your own arrangements)*	**PROGRAM COMMITTEE MEETING** Location: 3rd floor, Faculty Hall

PARALLEL ACTIVITIES

09:00 **09:45**	*Mobile App Challenge Opening Session* *Location: Ground floor, Room 7* Chair: Zlatko Stapić
10:00 **15:00**	*Revision and write-off of library materials in the METEL win library system, presentation of a new catalog and new services* *Location: 2nd floor, Room 3* Chair: Bernarda Kos
12:00 **19:00**	*FOI Security (FSec) Symposium* *Location: 2nd floor, Room 1* Chair: Tonimir Kišasondi
15:30 **16:00**	*Student poster and presentation section: posters* *Location: Ground floor hallway* Chair: Violeta Vidaček-Hainš
16:00 **17:30**	*Student poster and presentation section: presentations* *Location: 3rd floor, Faculty Hall* Chair: Violeta Vidaček-Hainš

13:00 **13:45**	**INVITED LECTURE** Location: Ground floor, Room 7 **Chair:** Dragutin Kermek **Marjan Mernik** Professor at the Faculty of Electrical Engineering and Computer Science University of Maribor, Slovenia ***Title:*** *Domain-Specific Languages*

13:45 14:15	COFFEE BREAK	

14:15 15:30	**Education for Information Society (I)** Location: Ground floor, Room 7 **Chair:** Valentina Kirinić	**Information and Communications Technologies (I)** Location: Ground floor, Room 6 **Chair:** Melita Kozina
	Radovan Vrana **Access to Digital Information Resources as a Support to Academic Achievement**	Elisabeth Pergler, Isabel Anger, Thomas Rößler **V-PONI: A Framework for Value-in-use Predictions Based on Obtaining Non-precise Indicators**
	Marjan Krašna, Tomaž Bratina **Video Learning Materials for Better Students' Performance**	Jasmin Azemović, Elmin Sudić **Comparative Analysis of Regular and Cloud Disaster and Recovery Systems**
	Mario Konecki, Marko Petrlić **Main Problems of Programming Novices and the Right Course of Action**	Sergej Lugovic, Vjeran Bušelić, Ida Tadej **Cloud Computing Perception and Organisational Impact on Large Croatian Enterprises**
	Mladen Konecki **Learning to Play Musical Instruments Through Dynamically Generated Lessons in Real-time Based on Adaptive Learning System**	Mario Žgela **Use of Outlier Detection in Database Availability Analysis**

15:30 16:00	COFFEE BREAK	

16:00 17:30	**Software Engineering** Location: Ground floor, Room 7 **Chair:** Neven Vrček	**Data and Knowledge Bases** Location: Ground floor, Room 6 **Chair:** Alen Lovrenčić
	Martina Poljičak, Hrvoje Stančić, Sanja Seljan **Interoperability of Standards and Models in Official Statistics**	Larisa Tipura, Denis Mušić **Model for Discovering Students' Skills in Educational Institutions**
	Marko Jurišić, Dragutin Kermek **Application Framework Development and Design Patterns: Current State and Prospects**	Kornelije Rabuzin, Nikola Modrusan **Business Intelligence and Column Oriented Databases**
	Anton Kvesić, Danijel Radošević, Tihomir Orehovački **Using SCT Generator and Unity in Automatic Generation of 3D Scenes and Applications**	Josip Šaban, Toni Gržinić, Leo Mršić **An Event Based Framework for Facilitating Database Activity Tracking**
	William Steingartner, Valerie Novitzká, Martina Benčková, Peter Prazňák **Considerations and Ideas in Component Programming - Towards to Formal Specification**	Goran Oreški, Stjepan Oreški **An Experimental Comparison of Classification Algorithm Performances For Highly Imbalanced Datasets**
	Zdravko Roško **Case Study: Refactoring of Software Product Line Architecture - Feature Smells Analysis**	Danijela Subotić, Vladan Jovanović, Patrizia Poščić **Data Warehouse Schema Evolution: State of the Art**

19:30 22:30	**WELCOME PARTY WITH LIGHT DINNER** **Location:** New Student Restaurant	

Thursday, September 18th

08:30 09:00	**REGISTRATION** Location: Ground floor hallway	

	PARALLEL ACTIVITIES	
09:00 13:30	*FOI Security (FSec) Symposium* *Location: 2nd floor, Room 1* Chair: Tonimir Kišasondi	

10:00 14:00	*Right of access to information - official information, public authorities and citizens* Location: 2nd floor, Room 3 Chair: Bernarda Kos	

09:00 10:15	**Education for Information Society (II)** Location: Ground floor, Room 7 **Chair:** Valentina Kirinić	**Intelligent Information Systems (I) Intelligent Transport Systems** Location: Ground floor, Room 6 **Chair:** Marko Maliković
	Tihomir Katulić, Marko Jurić **Creative Commons License Agreements in Croatian Law**	Marija Brkić, Maja Matetić, Sanja Seljan **Pseudo-lemmatization in Croatian-English SMT**
	Darko Matotek, Dušan Munđar **An analysis of employment opportunities of graduated students in the field of information and computer sciences**	Ivo Ugrina, Mislav Žigo **Searching for Semantically Correct Postal Addresses on the Croatian Web**
	Dražena Gašpar, Jelena Zovko, Mirela Mabić **Education of Students of Economics for e-Society**	Alen Šimec, Magdalena Magličić **Comparison of JSON and XML Data Formats**
	Kruno Golubić, Mihaela Banek Zorica **Presence and Activity of Croatian Higher Education Institutions on Social Networking Sites**	Martin Gregurić, Edouard Ivanjko, Ivana Galić, Sadko Mandžuka, Hrvoje Gold **Urban Highways Level of Service Improvement Based on Intelligent Ramp Metering**

10:15 10:45	**COFFEE BREAK**

10:45 11:45	**Economics and Information Systems (I)** Location: Ground floor, Room 7 **Chair:** Sandro Gerić	**Information and Communications Technologies (II)** Location: Ground floor, Room 6 **Chair:** Vesna Dušak
	Rebwar Kamal Gharib, Elly Philpott **Towards Understanding Members' Participation Behaviour in B2B Virtual Communities: A Socio-technical Approach**	Melita Kozina, Lucija Horvat **Measuring the Level of Quality of IT Service Management**
	Kristina Maršić, Dijana Oreški **Modelling the Size of Underground Economy in Croatia: Fuzzy Logic Approach**	Zoran Ćosić, Jasmin Ćosić, Miroslav Bača **Biometric System Reliability as a Important Factor of Influence on Chain of Custody of Digital Evidence**
	Ksenija Vuković, Dina Korent, Irena Kedmenec **Testing Gibrat's Law on Software Companies in Croatia**	Jan Mittner, Alena Buchalcevova **Towards the IT Support of Processes in Small Software Companies**

11:45 12:15	**COFFEE BREAK**

12:15 13:30	**Economics and Information Systems (II)** Location: Ground floor, Room 7 **Chair:** Sandro Gerić	**Round Table** Location: 3rd floor, Faculty Hall **Chair:** Renata Mekovec
	Alenka Tot, Kristina Detelj **Implementation of Cash Transaction Fiscalization Procedure in Businesses: Case of Croatia**	
	Paula Bajdor, Tomasz Lis **Cloud Computing in Polish SME Enterprises**	**"Use of Modern Educational Technologies Taking Into Account the Protection of Privacy"** (Croatian only)
	Darko Lugonja **Interoperability Influence to Network Development Through Interoperability Models**	
	Slaven Smojver **Complexity of Information Systems and Bank Size: A Case Study of Croatian Banks**	

13:30 15:00	**LUNCH BREAK** *(please, make your own arrangements)*

15:00 24:00	**EXCURSION** *(dinner included)*

Friday, September 19th

08:30 09:00	**REGISTRATION** Location: Ground floor hallway

PARALLEL ACTIVITIES

09:30 13:30	*FOI Security (FSec) Symposium* *Location: 2nd floor, Room 3* Chair: Tonimir Kišasondi
09:00 18:00	*Mobile and embedded development (f-moed) Symposium* *Mobile App Challenge Presentations and Awards* *Location: Ground floor, Room 7* Chair: Zlatko Stapić

09:00 10:15	**Intelligent Information Systems (II)** **Information Systems Security** Location: Ground floor, Room 6 **Chair:** Mirko Čubrilo
	Bernard Vukelić, Miroslav Bača **Comparison of RADIAL Variance Based and Maar-Hildreth Operator Perceptual Image Hash Functions on Biometric Templates**
	Marko Maliković **An Overview and Classification of Retrograde Chess Problems**
	Marko Maliković **SAT-based Analysis of the Legality of Chess Endgame Positions**
	Igor Kaluđer, Goran Klepac **Credit Risk Early Warning System Using Fuzzy Expert Systems**

10:15 10:45	**COFFEE BREAK**

10:45 12:00	**Information and Communications** **Technologies (III)** Location: Ground floor, Room 6 Chair: Vesna Dušak
	Adel Alkhalil, Reza Sahandi, David John **Migration to Cloud Computing: A Decision Process Model**
	Goran Matošević **Towards a Metric For On-page Search Engine Optimization**
	Hrvoje Stančić, Adam Al-Hariri, Edvin Buršić **Archival Approach to IaaS Cloud Services**
	Melita Kozina, Tina Crnjak **IT Customer Relationship Management supported by ITIL**

12:00 13:30	**LUNCH BREAK** *(please, make your own arrangements)*

13:30 15:30	**GUIDED TOUR OF VARAŽDIN** *(minimum 5 persons)*