Central European Conference on Information and Intelligent Systems, CECiiS 2011

September 21st - 23rd, 2011

Official Program

Wednesday, September 21st

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 **12:00**	**INVITED LECTURES** Location: 2nd floor, Room 1 **Chair:** Tihomir Hunjak **Assoc. Prof. Saulius Norvaišas, Ph.D** Mykolas Romeris University, Lithuania **Title:** *Emerging Networked Society* **Prof. Demetri Kantarelis, Ph.D** Assumption College, USA **Title:** *Mechanism design and incentives' engineering*

12:00 **14:00**	**LUNCH BREAK**	**PROGRAM COMMITTEE MEETING** Location: 3rd floor, Faculty Hall

14:00 **15:30**	**INVITED LECTURES** Location: Ground floor, Room 10 **Chair:** Mirko Čubrilo **Assoc. Prof. Predrag Janičić, Ph.D** University of Belgrade, Serbia **Title:** *Automated Reasoning: some successes and new challenges* **Georg E. Schäfer** Ministry of Interior of Baden-Württemberg, Germany **Title:** *Major Trends for E-Government in Europe*
15:30 **15:45**	**COFFEE BREAK**

15:45 17:15	***Education for Information Society*** *(I)* Location: Ground floor, Room 10 **Chair:** Diana Šimić

Kuvač, Stankov
Student modelling in blended learning environment

Zovkić, Vrbanec, Dobša
Computer ergonomics in elementary school

Mohorovičić, Strčić
An Overview of Computer Programming Teaching Methods in Higher Education

Jakopec, Slijepčević, Đekić
Web development awareness about W3C standards: Croatia survey

Krasna, Bratina
Teaching digital security

Jandrić, Božurić, Carapina
Flexible Learning Approach and Curricula Education towards the Labour Market in Secondary Technical Education: A Case Study

17:15 17:30	**COFFEE BREAK**

17:30 19:00	***Education for Information Society*** *(II)* Location: Ground floor, Room 10 **Chair:** Valentina Kirinić

Rodič
A new approach to regional digital divides

Delić, Vidaček-Hainš, Adarve
Perceptions of Multicultural College Students: Case-Studies of European, American and Australian Universities

Juričić
Evaluation of similarity metrics for programming code plagiarism detection method

Bedi, Ćorić, Samardžija
Project Based Learning: Students' Design of Interactive Multimedia CD/DVD with Educative Content in secondary school

Fanti, Angelaccio
Design of Active learning Strategy through Agile Development Methodologies: a technological view

Đanić, Radošević, Orehovački
Evaluation of Student Programming Assignments in Online Environments

16:00 19:00	**Parallel Activity 1: CROSIM Round Table** (Croatian Society for Simulation Modelling) **Location:** 1st floor, Room 11

15:45 18:45	**Parallel Activity 2: Student poster and presentation section** **Location 1:** Ground floor hallway **Location 2:** 3rd floor, Faculty Hall

20:00	**WELCOME COCKTAIL** with light dinner Location: Caffe bar "Info", FOI

Thursday, September 22nd

09:00 **10:30**	***Information Systems Security*** Location: Ground floor, Room 10 **Chair:** Alen Lovrenčić

Koruga, Ševa, Bača
A review of face recognition algorithms and their application in age estimation

Magdalenić, Maček, Ivković
Information Security Risk Assessment in Financial Institutions Using VECTOR Matrix and OCTAVE Methods

Fotak, Koruga, Bača
On-line Handwritten Signature Identification: The Basics

Ćosić J., Ćosić Z., Bača
(Il)Legal Aspects of Digital Antiforensic

Logožar, Koruga
An Outlook to Security and Trust in Internet Communications

Smojver
Selection of Information Security Risk Management Method Using Analytic Hierarchy Process (AHP)

09:00 **13:30**	**Parallel Activity: FSec Symposium (FOI Security)** **Location:** Ground floor, Room 7

10:30 **10:45**	**COFFEE BREAK**

10:45 **12:00**	**Software Engineering & Intelligent Transport Systems** Location: Ground floor, Room 10 **Chair:** Neven Vrček

Piecha, Gnyla, Bača
Some traffic control proposals by means of fuzzy sets theory

Galinec, Luić
The Impact of Application Non-Functional Requirements on Enterprise Architecture

Urem, Fertalj, Mikulić
Optimal parameter choice in modeling of ERP system reliability

Slodičák, Macko
How to apply linear logic in coalgebraical approach of computing

Roško
Software Product Lines: Source Code Organization for 3-tier OLTP Architecture Systems

12:00 **12:15**	**COFFEE BREAK**

12:15 13:45	**Intelligent Information Systems** Location: Ground floor, Room 10 **Chair:** Vjeran Strahonja

Platzer
Opportunities of automated motive-based user review analysis in the context of mobile app acceptance

Mydlo, Schreiber
Fuzzy controller for the control of nuclear reactor's power-control rods

Schumann, Schön
Mobile Gaming Communities: State of the Art Analysis and Business Implications

Madjaric, Antabak
Approach to establishing ChiPSoNet - Children Protection Social Network

Peharda, Munđar, Vrček
Methodology for risk assessment and corresponding costs in e-government projects

Maretić
Causal models

13:45 15:00	**LUNCH BREAK**

15:00	**EXCURSION** to Međimurje (dinner included)

Friday, September 23rd

09:00 10:30	**Data and Knowledge Bases** Location: Ground floor, Room 10 **Chair:** Sandra Lovrenčić

Schatten, Maleković
Insights from Web 3.0: Is it Time for a New Scientific Publishing Methodology?

Schatten, Jakelić
An Analysis of the Social and Conceptual Networks of CECIIS 2005 - 2010

Ognjenovic, Brtka, Jovanovic, Berkovic
Supervised Discretization for Rough Sets – a Neighborhood Graph Approach

Matanović, Mesaric
Calculation of Total Costs of Reciprocally Conditioned Service Departments – Allocation Methods

Logozar, Lovrencic
The Modeling and Complexity of Dynamical Systems by Means of Computation and Information Theories

Tomović, Stanišić
Cross Validation Method in Frequent Itemset Mining

09:00 17:00	**Parallel Activity: FSec Symposium (FOI Security)** **Location:** Ground floor, Room 7

10:30 10:45	**COFFEE BREAK**

10:45 **12:00**	***Information and Communication Technologies*** *(I)* Location: Ground floor, Room 10 **Chair:** Vesna Dušak

Vrana
Journal publishing in digital era: STM scientific journals in Croatia

Andročec
Research Challenges for Cloud Computing Economics

Radošević, Magdalenić, Orehovački
Error Messaging in Generative Programming

Čehulić, Hunjak, Begičević
Comparison of a bank's financial ratios using the Analytic Hierarchy Process

Tomić Rotim, Komnenić
Model for business and IT allignment

12:00 **12:15**	**COFFEE BREAK**

12:15 **13:45**	***Information and Communication Technologies*** *(II)* Location: Ground floor, Room 10 **Chair:** Robert Fabac

Fabac
Competitiveness model designing: Internal approach from resourced-based toward knowledge-based

Sabati, Bernik
Implementation of Textures Inside of the Laser engraving Environment

Sabati, Bernik, Ratković, Dolenec
Ray Tracing Algorithm Rendering

Gregurec, Ćorić, Tomaš
Word-of-Mouth Marketing within Social Networking Sites

Zauder, Pečarić, Tuđman
Sources for Scientific Frustrations: Productivity and Citation Data

Pintarić
Competitiveness based on IT for Small and Medium Enterprises

13:45	**CLOSING OF THE CONFERENCE**