



Central European Conference on Information and Intelligent Systems, CECiS 2013

September 18th - 20th, 2013

Conference Program



Wednesday, September 18th

**09:00
10:00**

REGISTRATION

Location: Ground floor hallway

**09:00
09:45**

PARALLEL ACTIVITY

Mobile App Challenge Opening (f-moed)

Location: Ground floor, Room 7

**10:00
10:30**

OPENING AND WELCOME SESSION

Location: 2nd floor, Room 1

Chair: Tihomir Hunjak

INVITED LECTURES

Location: 2nd floor, Room 1

Chair: Vjerman Strahonja

**10:30
11:15**

Nigel Bevan

Independent usability consultant

Title: *Designing for usability: principles and practice*

**11:15
12:00**

Carsten Röcker

Senior researcher at the Human-Computer Interaction Center (HCIC)
Lecturer at the Linguistics and Communication Science Institute at RWTH Aachen University, Germany

Title: *User-Centered Design of Intelligent Environments*

**12:00
14:00**

LUNCH BREAK

(please, make your own arrangements)

PROGRAM COMMITTEE MEETING

Location: 3rd floor, Faculty Hall

**13:00
20:00**

PARALLEL ACTIVITY

FOI Security (FSec) Symposium

Location: 2nd floor, Room 1; **Chairs:** Tonimir Kišasondi, Vlatko Košturjak, Igor Vuk



INVITED LECTURES

Location: Ground floor, Room 10

Chair: Dragutin Kermek

14:00
14:45

Mladen A. Vouk

Department Head and Professor of Computer Science, and Associate Vice Provost for Information Technology at N.C. State University, Raleigh, N.C., U.S.A.

Title: *User-Interfaces for (Big)Data-Driven Analytics, Discovery and Decision Making*

14:45
15:30

Uwe Zdun

Full professor for software architecture at the Faculty of Computer Science, University of Vienna

Title: *Architecting with Architectural Design Decisions*

15:30
15:45

COFFEE BREAK

15:30
16:30

PARALLEL ACTIVITY

Student poster and presentation section - posters

Location: *Ground floor hallway*

16:30
18:00

PARALLEL ACTIVITY

Student poster and presentation section - presentations

Location: *3rd floor, Faculty Hall; Chair: Violeta Vidaček-Hainš*

15:45
17:30

Information and Communications Technologies I

Location: Ground floor, Room 10

Chair: Vesna Dušak

Dijana Grd, Valentina Kirinić

Information architecture and credibility of medical service provider website

Katarina Tomičić-Pupek, Igor Pihir, Neven Vrček

Generic functional and management model

Vlado Sruk, Nikolina Frid, Hrvoje Mlinarić

Open Source SaaS Cloud Platforms: Concepts, Virtualization Overhead and Deployment Issues

Elisabeth Pergler, Daniela Glatz

Privacy challenges in mobile technology acceptance research

Michael J. Harnisch

Awareness and Perceived Usefulness of Online Personalization Activities

Ljubo Barać, Branimir Jurić, Leda Link

Moodle and Elgg Functionalities Comparison: Advantages and Disadvantages

Neven Pintaric, Tomislav Bronzin

IT Capability Review

17:30
17:45

COFFEE BREAK

17:45
18:45

Intelligent Information Systems

Location: Ground floor, Room 10

Chair: Mirko Čubrilo

Stela Mravak, Damir Nadramija, Edina Pulić, Tatjana Njegovan-Zvonarević

Autonomous Patient Training And Monitoring Supervision System For Brain Stroke Patients

Naveed Ejaz, Muhammad Azhar, Sung Wook Baik

ViTAG: A Learning Framework for Generating Action Tags in Videos

Dinka Pančić

Verhulst logistic map in the study of nonlinear and chaotic systems

Isabel Anger, Elisabeth Pergler, Christian Kittl

User-centric, Value-oriented Business Models? An Analysis of how Value is Seen in Different Business Model Research Streams

20:00

WELCOME PARTY WITH LIGHT DINNER

Location: Caffe bar "Info", FOI



Thursday, September 19th

09:00
14:00

PARALLEL ACTIVITY

FOI Security (FSec) Symposium

Location: 2nd floor, Room 1; **Chairs:** Tonimir Kišasondi, Vlatko Košturjak, Igor Vuk

09:00
14:00

PARALLEL ACTIVITY

Mobile and embedded development (f-moed) Symposium

Location: Ground floor, Room 7

10:00
14:00

PARALLEL ACTIVITY

Workshop for librarians: "METEL win software for libraries"

Location: 2nd floor, Room 3; **Chair:** Bernarda Kos

09:00
10:45

Software Engineering

Location: Ground floor, Room 10

Chair: Neven Vrčec

Dmitriy Dunaev, László Lengyel

Method of Software Obfuscation Using Petri Nets

William Steingartner, Štefan Korečko, Jaroslav Porubán

Some Categorical Structures and Their Role in Differential Calculus

Nada Omar Bajnaid, Algirdas Pakstas, Shahram Salekzamankhani, Rachid Benlamri

Ontology-Based Personalised SQA e-Learning System

Marko Velic, Toni Grzinic, Marko Drobec

Feasibility Study on Implementation of Electronic Invoicing in Public Administration Enterprise

Zeljko Dobrovic, Alen Lovrencic

Application of Formal Methods in Development of Information Systems

Zdravko Rosko

Assessing the Responsibility of Software Product Line Platform Framework for Business Applications

Mladen Hosni, Valentina Kirinić

Application of software product quality international standards through software development life cycle

10:45
11:00

COFFEE BREAK

11:00
12:00

Data and Knowledge Bases

Location: Ground floor, Room 10

Chair: Kornelije Rabuzin

John Tsiligaridis

A Criteria based Decision Tree for Classification

Tin Kramberger, Davor Cafuta, Ivica Dodig

Dependencies of File System Cluster Size in Correlation with Database Management System

Mirjana Pejic-Bach, Markus Schatten, Zrinka Marušić

Data mining applications in tourism: Key word analysis

Adis Medić, Željko Dobrović

Enhanced (meta)model for Helpdesk Support Services

12:00
12:15

COFFEE BREAK

12:15
13:15

Information Systems Security

Location: Ground floor, Room 10

Chair: Miroslav Bača

Radovan Vrana

Social networks and security of their users

Jasmin Ćosić, Zoran Ćosić, Miroslav Bača

Towards on Modelling Prediction of Biometric System Reliability

Toni Gržinić, Tonimir Kišasondi, Josip Šaban

Detecting anomalous Web server usage through mining access logs

Milan Strbo, Pavol Tanuska, Augustin Gese

Safety Analysis for the Complex Dynamic Technology Systems and Removing of the Risks

13:15
14:45

LUNCH BREAK

(please, make your own arrangements)

14:45
24:00

EXCURSION

(dinner included)



Friday, September 20th

09:00
20:00

PARALLEL ACTIVITY

FOI Security (FSec) Symposium

Location: 2nd floor, Room 1; **Chairs:** Tonimir Kišasondi, Vlatko Košturjak, Igor Vuk

10:00
13:00

PARALLEL ACTIVITY

Mobile App Challenge Presentations and Awards (f-moed)

Location: Ground floor, Room 7

10:00
15:00

PARALLEL ACTIVITY

Workshop for librarians: "Web page development with CMS system Wordpress"

Location: Ground floor, Room 15; **Chair:** Bernarda Kos

09:00
10:45

Information and Communications Technologies II

Location: Ground floor, Room 10

Chair: Melita Kozina

Marko Mijač, Ruben Picek, Zlatko Stapic
Cloud ERP System Customization Challenges

Nikola Horvat, Matija Jurman, Renata Mekovec
Specifying Service Catalog – a Case Study

Nenad Tezak, Anica Ister Tezak, Nenad Crnko
The increase of competitiveness of Croatian ERP system producers by applying online translation service

Ahmed Mohamed Sameh
Mining Social Networks of Other Languages/Cultures

Darko Gazibara, Magdalena Jovanović, Ana Čorić Samardžija
Social Media Role in Communication Exchange of International Volunteer Experience

Melita Kozina, Danijel Radošević, Ivan Magdalenić
Customizing of the Software Organization Maturity Level Assessments Using SCT Based Generator

Robertina Zdjelar, Robert Kelemen
The role of Croatian counties in e-Government and e-services development

10:45
11:00

COFFEE BREAK

11:00
12:15

Education for Information Society

Location: Ground floor, Room 10

Chair: Valentina Kirinić

Marjan Krašna, Bojan Bedrač, Vida Jesenšek
Problems of search engine in "phraseology" linguistic software project

Darko Matotek
An Analysis of Acceptance of ECDL Certificate for Administrative Professions

Violeta Vidacek-Hains, Suncica Pavetic
Students' mobility and international cooperation

Darko Lugonja
Social Network Influence to Society Development through the viewpoint of Social presence theory

Tihomir Katulić
Opportunities and pitfalls of GPL software licencing agreement from the perspective of the software developer

12:15
13:00

LUNCH BREAK

(please, make your own arrangements)

13:00
15:00

Guided tour of Varaždin

(minimum 3 persons)