



Central European Conference on
**Information and Intelligent
Systems**

September 23-25, 2015
Faculty of Organization and Informatics, Varaždin, Croatia

CECIIS 2015 Final Program

DAY 1: Wednesday, September 23 rd		Location
09:00-10:00	Registration	2 nd Floor, Room 3
10:00-10:30	OPENING AND WELCOME SESSION <i>Chair: Tihomir Hunjak</i>	2 nd Floor, Room 1
10:30-11:15	KEYNOTE SPEAKER: Mirko Kovac (Imperial College London, UK) Bio-inspired Flying Robots: From Nature to Robotics and Back <i>Chair: Neven Vrček</i>	2 nd Floor, Room 1
11:15-11:45	Coffee Break	Basement, Coffee bar InfoClub
11:45-12:30	KEYNOTE SPEAKER: Matjaž Gams (Jozef Stefan Institute, Slovenia) The Intelligent Future is Near <i>Chair: Alen Lovrenčić</i>	2 nd Floor, Room 1
12:30-14:00	Lunch Break	Self-arrangement
12:30-14:00	PROGRAM COMMITTEE MEETING	3 rd Floor, Faculty Hall

Conference Sessions

14:00-15:00	INFORMATION AND COMMUNICATIONS TECHNOLOGIES <i>Chair: Melita Kozina</i> <i>Location: 2nd Floor, Room 3</i>	EDUCATION FOR INFORMATION SOCIETY (I) <i>Chair: Valentina Kirinić</i> <i>Location: 2nd Floor, Room 8</i>
14:00-14:15	Tomislav Cundić, Ana Ćorić Samardžija Students Communication Preferences and Self-Esteem	Andrija Bernik, Goran Bubaš, Danijel Radošević A Pilot Study of the Influence of Gamification on the Effectiveness of an e-Learning Course
14:15-14:30	Ana Ćorić Samardžija Mobile Augmented Reality Interactive Systems for Urban Tourism	Blaženka Divjak, Marcel Maretić Learning Analytics for e-Assessment: The State of the Art and One Case Study
14:30-14:45	Stjepan Vidačić, Igor Pihir Towards e-Business in Bookkeeping Agencies: Perceptions, Problems and Efficiency	Jasmina Kljunić, Dijana Plantak Vukovac A Survey on Usage of Mobile Devices for Learning among Tertiary Students in Croatia
14:45-15:00	Robertina Zdjelar, Robert Kelemen, Vesna Dušak Performance Measurement in Regional Self-Government	Dejan Pukšič, Marjan Krašna M-Learning in Practice: Language Learning Mobile Application
15:00-15:30	Coffee Break	2 nd Floor Hallway (Room 3)

DAY 1: Wednesday, September 23rd		
15:30-16:30	SOFTWARE ENGINEERING (I) <i>Chair: Neven Vrčec</i> <i>Location: 2nd Floor, Room 3</i>	DATA AND KNOWLEDGE BASES INFORMATION SYSTEMS SECURITY <i>Chair: Alen Lovrenčić</i> <i>Location: 2nd Floor, Room 8</i>
15:30-15:45	Jurij Mihelič, Igor Rožanc Techniques for Traversal Operation on an Object Structure: a Comparison	Marko Maliković, Markus Schatten Artificial Intelligent Player's Planning in Massively Multi-Player On-Line Role-Playing Games
15:45-16:00	Matija Novak, Dragutin Kermek Home Automation Using Raspberry Pi	Goran Vodomin, Darko Andročec Problems during Database Migration to the Cloud
16:00-16:45	William Steingartner, Valerie Novitzká A New Approach to Operational Semantics by Categories	Hrvoje Rudeš, Petra Grd License Plate Detection for Preserving Privacy using Haar Classifiers
16:15-16:30	Renato Turić, Richard Hable, Gerhard Brugger Applying VR, AR, OCR, and 3D Feature Tracking for Automotive Maintenance Tasks	Slaven Smojver Survey on the US National Security Agency (NSA): Opinions, Concern and Information Security Awareness
19:30-22:30	WELCOME PARTY WITH LIGHT DINNER	<i>Student Restaurant</i>

Parallel Events

09:00-18:30	MOBILE AND EMBEDDED DEVELOPMENT (f-moed) SYMPOSIUM <i>Chair: Zlatko Stapić</i>	<i>Ground Floor, Room 7</i>
09:00-09:15	Opening Session	<i>Ground Floor, Room 7</i>
09:15-09:45	Mobile App Challenge (MAC): Assignments	
14:00-18:30	Mobile Development Workshop (I)	<i>Ground Floor, Room 15</i>
16:00-16:30	STUDENT POSTER AND PRESENTATION SECTION: Posters <i>Chair: Violeta Vidaček-Hainš</i>	<i>2nd Floor Hallway</i>
16:30-18:00	STUDENT POSTER AND PRESENTATION SECTION: Presentations <i>Chair: Violeta Vidaček-Hainš</i>	<i>3rd Floor, Faculty Hall</i>

DAY 2: Thursday, September 24th		Location
08:30-09:00	Registration	<i>2nd Floor, Room 3</i>
09:00-10:30	ECONOMICS AND INFORMATION SYSTEMS <i>Chair: Nina Begičević Redžep</i> <i>Location: 2nd Floor, Room 3</i>	INTELLIGENT INFORMATION SYSTEMS INTELLIGENT TRANSPORT SYSTEMS <i>Chair: Marko Maliković</i> <i>Location: 2nd Floor, Room 8</i>
09:00-09:15	Elisabeth Pergler, Doris Weitlaner, Xiaoshan Liu, Angelika Höber, Thomas Loidolt Connecting Value Assessment and Dynamic Pricing of Services to the Performance Journey Mapping Framework	Zoran Ćosić, Miroslav Bača, Jasmin Ćosić Challenges of Ontology Evaluation Process
09:15-09:30	Ivana Hustić, Iva Gregurec The Influence of Price on Customer's Purchase Decision	Goran Matošević Using Anchor Text to Improve Web Page Title in Process of Search Engine Optimization

09:30-09:45	Suzana Keglević Kozjak, Tanja Šestanjanj-Perić Accounting Information for Product Costing – Case Study	Bogdan Okreša Đurić, Mario Konecki Modeling MMORPG Players' Behaviour
09:45-10:00	Darko Lugonja Open Innovation as a Challenging Paradigm in Contemporary Innovation Management - State of the Art after Decade(s) of Development	Bogdan Okreša Đurić, Mario Konecki Specific OWL-based RPG Ontology
10:00-10:15	Dijana Oreški, Kristina Maršić, Irena Kedmenec The Association between Human Capital and Overall Productivity in the European Union Countries	Lovro Rožić, Juraj Fosin, Tonči Carić Solving the Time Dependent Vehicle Routing Problem using Real-world Speed Profiles
10:15-10:30	Robert Fabac, Valentina Kirinić, Vinko Zebić IT Governance in Croatian Public Administration - The Human Resources Issues	
10:30-11:00	Coffee Break	<i>2nd Floor Hallway (Room 3)</i>
11:00-11:45	KEYNOTE SPEAKER: Günter Müller (University of Freiburg, Germany) BitCoin - More than Money? <i>Chair: Neven Vrček</i>	<i>2nd Floor, Room 3</i>
12:00-15:00	Lunch Break	<i>Self-arrangement</i>
15:00-24:00	CONFERENCE EXCURSION	<i>Trip to Međimurje region</i>

Parallel Events

09:00-18:30	MOBILE AND EMBEDDED DEVELOPMENT (f-moed) SYMPOSIUM <i>Chair: Zlatko Stapić</i>	<i>Ground Floor, Room 15</i>
09:00-12:00	f-moed Workshop (II)	
14:30-18:30	f-moed Workshop (III)	
09:00-10:30	10th INTERNATIONAL DOCTORAL SEMINAR (IDS) <i>Chair: Neven Vrček</i>	<i>3rd Floor, Faculty Hall</i>
12:00-13:00	BOOK PROMOTION: "Korporativna informacijska sigurnost" (Information Security Governance) authored by Krakar Z., Tomić Rotim S., Žgela M., Kišasondi T., Arbanas K. (in Croatian)	<i>2nd Floor, Room 3</i>

DAY 3: Friday, September 25th		Location
08:30-09:00	Registration	<i>2nd Floor, Room 3</i>
09:00-10:00	SOFTWARE ENGINEERING (II) QUALITY OF SOFTWARE AND SERVICES <i>Chair: Neven Vrček Location: 2nd Floor, Room 3</i>	EDUCATION FOR INFORMATION SOCIETY (II) <i>Chair: Blaženka Divjak Location: 2nd Floor, Room 8</i>
09:00-09:15	Daniel Strmečki, Danijel Radošević, Ivan Magdalenić Web Form Generators Design Model	Alenka Bencek, Violeta Vidaček Hainš Networking Supported by Communication Technology and Non-Formal Education as a Part of Career Planning
09:15-09:30	Josip Mlakar, Danijel Radošević, Ivan Magdalenić Generating Web Applications Using CodeWorker	Maja Stracenski Kalauz, Goran Hudec, Valentina Kirinić Soft Skills Perception among Students: Importance and Performance
09:30-09:45	Marko Mijač, Zlatko Stapić Reusability Metrics of Software Components: Survey	Janko Žufić, Brigita Jurcan Micro Learning and EduPsy LMS
09:45-10:00	Melita Kozina, Ines Sekovanić Using the Cobit 5 for E-health Governance	
10:00-10:30	Coffee Break	<i>2nd Floor Hallway (Room 3)</i>
10:30-12:30	ROUND TABLE: "Kvaliteta i normizacija u informatici" (in Croatian) (Quality and Standardization in Informatics) <i>Chair: Melita Kozina</i>	<i>2nd Floor, Room 3</i>
12:30-12:45	CECIIS 2016 ANNOUNCEMENT and CONFERENCE CLOSING	<i>2nd Floor, Room 3</i>
12:45-14:00	Lunch Break	<i>Self-arrangement</i>
14:00-16:00	GUIDED TOUR OF VARAŽDIN <i>Min 5 persons</i>	<i>Meeting: FOI Building Entrance</i>

Parallel Event

09:00-18:30	MOBILE AND EMBEDDED DEVELOPMENT (f-moed) SYMPOSIUM <i>Chair: Zlatko Stapić</i>	<i>Ground Floor, Room 7</i>
09:00-10:00	AIR Projects Pitch: Student Competition	
10:00-13:00	f-moed Sessions	
13:30-15:30	Mobile App Challenge Presentations	
16:00-16:30	Awards and Closing Ceremony	