



September 19-21, 2018

Faculty of Organization and Informatics, Varaždin, Croatia

CECIIS 2018 Final Program

DAY 1: Wednesday, September 19th		Location
09:00-10:00	Registration	2 nd Floor, Room 3
10:00-10:30	OPENING AND WELCOME SESSION <i>Chair: Vjeran Strahonja</i>	2 nd Floor, Room 1
10:30-11:15	KEYNOTE SPEAKER: Dimitris Karagiannis (University of Vienna, Faculty of Computer Science, Vienna, Austria) The impact of digitization on industry: a research perspective <i>Chair: Vjeran Strahonja</i>	2 nd Floor, Room 1
11:15-11:45	Coffee Break	Basement, Coffee bar InfoClub
11:45-12:30	KEYNOTE SPEAKER: Dieter Hertweck (Reutlingen University, Faculty of Computer Science, Herman Hollerith Research Centre, Reutlingen, Germany) The Digital Transformation in the manufacturing sector - Challenges and Chances for SME <i>Chair: Vjeran Strahonja</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

14:00-15:15	<i>Location: 2nd Floor, Room 3</i> DATA AND KNOWLEDGE BASES <i>Chair: Alen Lovrenčić/Mirko Maleković/Kornelije Rabuzin</i> Leo Mršić, Sandro Skansi and Robert Kopal Preliminary Study for a Survey-Based Fuzzy Membership Function Definition for Imprecise Quantification in Croatian Katarina Rojko and Dejan Jelovac Challenges Due to Excessive Amount of Online Data and (Mis)Information SOFTWARE ENGINEERING <i>Chair: Vjeran Strahonja/Zlatko Stapić</i> Tomislav Turek, Markus Schatten and Tonimir Kišasondi Domain Specific Honeytokens Based on Natural Language Processing - A Conceptual Model QUALITY OF SOFTWARE AND SERVICES <i>Chair: Melita Kozina/Valentina Kirinić</i> Nadica Hrgarek Lechner Developing a Compliant Cybersecurity Process for Medical Devices	
15:15-15:45	Coffee Break	Basement, Coffee bar InfoClub

Conference Sessions

15:45-17:15	<p><i>Location: 2nd Floor, Room 3</i></p> <p>EMERGING TRENDS IN ICT <i>Chair: Neven Vrček/Sandra Lovrenčić</i> Martina Tomičić Furjan, Vjeran Strahonja and Katarina Tomičić-Pupek</p> <p>Framing the Digital Transformation of Educational Institutions Bojan Krajnc, Polona Tominc, Ruben Picsek and Simona Sternad Zabukovšek</p> <p>CRM Solutions and Effectiveness of Sales Processes in Export Organizations Dijana Peras</p> <p>Guidelines for GDPR Compliant Consent and Data Management Model in ICT Businesses <i>Barbara Šlibar, Dijana Plantak Vukovac, Sandra Lovrenčić, Martina Šestak and Darko Andročec</i></p> <p>Gamification in a Business Context: Theoretical Background Alen Kišić</p> <p>The Use of Social Media in Political Campaigns: The Case of Croatian Local Elections 2017 Igor Pihir, Katarina Tomičić-Pupek and Martina Tomičić Furjan</p> <p>Digital Transformation Insights and Trends</p>	<p><i>Location: 2nd Floor, Room 8</i></p> <p>COMPUTER GAMES <i>Chair: Mario Konecki/Markus Schatten</i> Martin Kinitzki, Dieter Hertweck, Peter Kühfuß and Valeria Kinitzki</p> <p>How SMEs Can Use Games to Assess the Innovation Potential of New Technologies Markus Schatten, Bogdan Okreša Đurić and Igor Tomičić</p> <p>Towards an Application Programming Interface for Automated Testing of Artificial Intelligence Agents in Massively Multi-Player On-Line Role-Playing Games Igor Tomičić, Bogdan Okreša Đurić and Markus Schatten</p> <p>Implementing Agent Roles in Massively Multi-Player On-Line Role-Playing Games Robert Fabac and Danijel Radošević</p> <p>Computer Implementation of “Rational Pigs Game” Extended Model and Humans’ Decision-Making in Related Scenarios</p>
17:30-21:00	WELCOME PARTY WITH LIGHT DINNER	

Hotel Park

Parallel Events

09:00-17:30	PROFESSIONAL TRACKS (In Croatian):	
14:30-17:30	Digitalna transformacija obrazovnih institucija (Digital Transformation of Educational Institutions)	<i>Ground Floor, Room 10</i>
09:00-17:30	Računalne igre – stručna postignuća (Computer Games - Professional Developments)	<i>Ground Floor, Room 7</i>
14:00-14:30	STUDENT POSTER AND PRESENTATION SECTION: Posters	
	<i>Chair: Violeta Vidaček-Hainš</i>	
14:30-17:30	STUDENT POSTER AND PRESENTATION SECTION: Presentations	
	<i>Chair: Violeta Vidaček-Hainš</i>	
10:30-17:30	DAN E-ŠKOLA (IN CROATIAN)	
	 e-Schools: Establishing a System for Developing Digitally Mature Schools (pilot project) co-financed by the European Union from the European Structural and Investment Funds	
09:00-13:00	PROJECTS PRESENTATION	
	Project Information Stands:	

e-Schools

DIGITRANS

CRISS

HigherDecision




ISSES



Conference Sessions

08:30-09:00	Registration	2 nd Floor, Room 3
09:00-11:00	<p><i>Location: 2nd Floor, Room 3</i></p> <p>EDUCATION AND LEARNING ANALITICS <i>Chair: Blaženka Divjak/Igor Balaban</i> Teodora Lolić, Sonja Ristić, Darko Stefanović and Uglješa Marjanović</p> <p>Acceptance of E-Learning System at Faculty of Technical Sciences Mirjana Pejić Bach, Dario Šebalj, Daniela Garbin Praničević and Igor Pihir</p> <p>Employment of Business Informatics Graduates: Preliminary Results Simona Sternad Zabukovšek, Ruben Picek, Polona Tominc and Samo Bobek</p> <p>Analysis of Students' Experiences with Microsoft Dynamics NAV Solution Using Technological Acceptance Model Mirela Mabić and Dražena Gašpar</p> <p>Facebook as a Learning Tool - Students' Perspective Lea Dujić Rodić and Andrina Granić</p> <p>Tangible User Interfaces for Enhancement of Young Children's Mathematical Problem Solving and Reasoning: A Preliminary Review of Relevant Literature Danijel Filipović, Igor Balaban and Dijana Oreški</p> <p>Cluster Analysis of Student's Activities from Logs and Their Success in Self-Assessment Tests</p>	<p><i>Location: 2nd Floor, Room 8</i></p> <p>ICT ENTREPRENEURSHIP AND INOVATION <i>Chair: Ksenija Vuković/Marina Klačmer Čalopa</i> Nikola Zornić, Aleksandar Marković and Sava Čavoški</p> <p>Forecasting Cryptocurrency Investment Return Using Time Series and Monte Carlo Simulation</p> <p>STRATEGIC PLANNING AND DECISION MAKING <i>Chair: Nina Begičević Ređep/Tihomir Hunjak</i> Sandro Radovanović, Boris Delibašić and Milija Suknović</p> <p>Multi-Task Learning for Ski Injury Predictions Valentina Đurek, Nikola Kadoić and Željko Dobrović</p> <p>Digital Maturity of Higher Education Institution: A Meta Model of the Analytical Network Process (ANP) and Decision Expert (DEX) Romano Kovač and Dijana Oreški</p> <p>Educational Data Driven Decision Making: Early Identification of Students at Risk by Means of Machine Learning Marijana Zekić-Sušac, Adela Has and Saša Mitrović</p> <p>Recursive Partitioning in Predicting Energy Consumption of Public Buildings</p>
13:00-14:00	Lunch Break	Self-arrangement
15:00-24:00	<p>GUIDED TOUR OF VARAŽDIN</p> <p>CONFERENCE EXCURSION-SOCIAL EVENT</p>	Međimurje region

Parallel Events

09:00-13:00	Workshop on Data Analysis	Ground Floor, Room 6
09:00-13:00	<p>PROJECTS PRESENTATION</p> <p>Project Information Stands:</p> <p>DIGITRANS HigherDecision ISSES</p> <p>  </p>	2 nd Floor Hallways
10:00-14:30	<p>MEETING: 4. interkatedarski skup iz područja poslovne informatike – tema: Utjecaj digitalne transformacije (The 4th Meeting of Business Informatics Departments – The Theme: Influence of Digital Transformation)</p>	3 rd Floor, Faculty Hall
11:00-14:00	<p>SPONSORS SECTION:</p> <p>Infodom - Okrugli stol (In Croatian)</p> <p>ORACLE Hrvatska – Presentations (In English)</p> <p>INFODOM ORACLE®</p> <p>Digitalna transformacija - inovativna paradigma poslovanja Moderatori: Katarina Tomičić-Pupek, Goran Marković i Boris Blumenschein</p> <p>Ivan Delić: Oracle Blockchain Cloud Service - Consensus to Boost The Business Darko Jureković: Oracle Academy – Your Gateway Into the World of Oracle Technologies</p>	2 nd Floor, Room 3 & 8

Conference Sessions

08:30-09:00	Registration	2 nd Floor, Room 3
09:00-10:30	<p><i>Location: 2nd Floor, Room 3</i></p> <p>INTELLIGENT INFORMATION SYSTEMS <i>Chair: Jasminka Dobša/Ivan Magdalenić</i> Grega Vrbančič, Iztok Jr. Fister and Vili Podgorelec</p> <p>Designing Deep Neural Network Topologies with Population-Based Metaheuristics Iztok Jr. Fister, Grega Vrbančič, Lucija Brezočnik, Vili Podgorelec and Iztok Fister</p> <p>SportyDataGen: An Online Generator of Endurance Sports Activity Collections Tea Mijač, Mario Jadrić and Maja Čukušić</p> <p>Evaluating the Potential of a Data-Driven Approach in Digital Service (Re)Design</p>	
10:30-11:00	Coffee Break	
11:00-12:00	<p>Best Paper Award, CECIIS 2019 ANNOUNCEMENT and CECIIS 2018 CONFERENCE CLOSING</p>	2 nd Floor, Room 3

Parallel Events

11:00-12:30	<p>HigherDecision project presentations: How do we make decisions in higher education? - Results of doctoral research in the scope of HigherDecision project (in English)</p>	3 rd Floor, Faculty Hall
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