

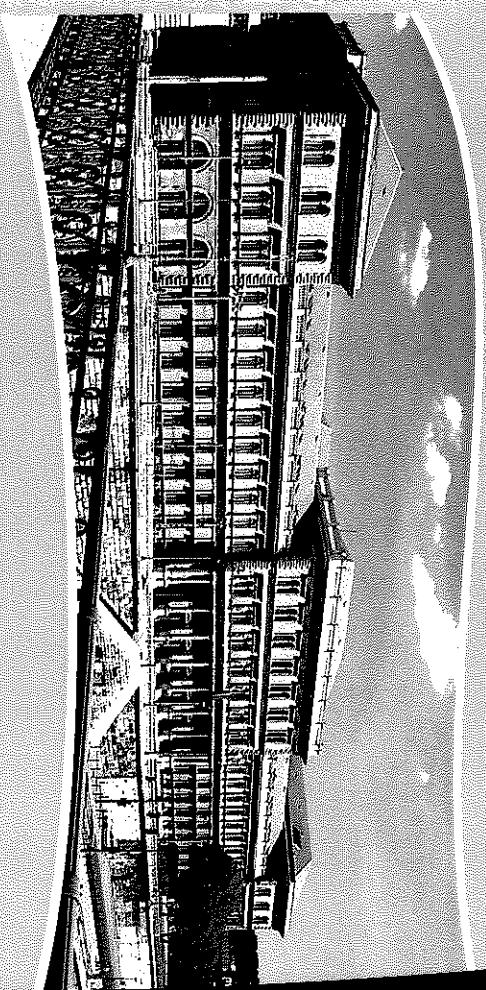


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OKTATÁS GAZDASÁGINFORMATIKA KONFERENCIA



11th International Conference on Business Information Systems
24-26th of November 2014



8th November, 2014 – Saturday

9:00 - 10:40 **PhD Workshop I. - using Sopreso** *p. 28.*

9:00 **Weber, Christian:** Enabling a Context Aware Knowledge Intense Computerized Adaptive Test through Complex Event Processing

9:25 **Szikora, Péter:** Allocating Time-bound Tasks – An Application of Matching Theory

9:50 **Orbán, Anna:** Quality of Information Systems in Public Administration

10:15 **Kristóf, Péter:** Controlling IT and Technology Innovations at Mature Organizations – Assumptions of a Research Initiative

10:40 - 11:40 **Coffee Break**

10:40 - 11:40 **Poster Session** *p. 34.*

Balogh, Zoltán – Szommer, Károly: Potentials and dangers of using the web

Kiss, Péter – Bencsik, Gergely: Virtual Economic Environment

Láng, Blanka – Kovács, László: Linear Regression Model Selection Using Improved

Harmony Search Algorithm

Pleier, Gergely – Bencsik, Gergely: Relevant and Related Area Extraction from Binary

Images

Sinóros-Szabó, Laura: The Measurement of Successfully Completed Projects Funded

by the European Union

Szmodics, Péter: Knowledge Representation

Truong, Huong May: Development of a Personalized E-learning System Using

Learning Styles

11:40 - 12:30 **PhD Workshop II. - using Sopreso** *p. 43.*

11:40 **Barna, Balázs:** Gamification in Education

12:05 **Szommer, Károly – Balogh, Zoltán:** The Usage of Geotagging in Hungary

12:30 **Panel**

OPENING CEREMONY

7th of November 2014, Friday

10:00

Rostoványi, Zsolt
rector of Corvinus
University of Budapest

Opening, Welcome speech

POSTER SESSION

8th of November 2014, Friday

Balogh, Zoltán	Potentials and dangers of using the web
Szommer Károly	
Kiss, Péter	Virtual Economic Environment
Bencsik, Gergely	
Láng, Blanka	Linear Regression Model Selection Using Improved
Kovács, László	Harmony Search Algorithm
Pieler, Gergely	Relevant and Related Area Extraction from Binary
Bencsik, Gergely	Images
Sinoros-Szabó,	The Measurement of Successfully Completed
Laura	Projects Funded by the European Union
Szmodics, Péter	Knowledge Representation
Truong, Huong	Development of a Personalized E-learning System
May	Using Learning Styles

Potentials and dangers of using the web

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Nowadays the speed of information sharing is highly accelerated. The different types of people react in a different ways to this, based on their personality. Some of them take the option of the new technology with which more people can be accessed quickly, while others are only using the private messaging systems and try to avoid the „never forgetting” open web. Typically they are trying to leave no traces on webpages and to publish as little information of themselves as possible. In this paper I try to raise the attention to the fact, that it is not enough if we stop sharing information online, because we can also leave traces by simply visiting the webpages. With the development of the technology it is getting more and more difficult to hide or falsify our traces and to blend in with the crowd. The Internet is no more an anonymous place.

This paper gives an insight into the potentials and dangers of the data that can be gathered of the different types of people surfing the web.

Virtual Economic Environment

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Enterprise resource planning is the one of the most interdisciplinary entity in business informatics programs. Therefore, understand these systems and their properties can be difficult in the classroom. With classic linear exercises e.g.: create a sales order, book an invoice, see the warehouse stock, point at each sub-process, but they cannot introduce the entire processes and their relationships. Therefore, we created a system to simulate the whole economics processes, where the sub-processes are connected to each other.

Linear Regression Model Selection Using Improved Harmony Search Algorithm

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The selection of independent variables in a linear regression model is a problem worth investigating. In this paper an improved harmony search metaheuristic algorithm (IHSRS) is presented for this problem. First, we investigate an existing genetic algorithm solution (GARS). GARS can tackle the problem successfully, but the solution can contain non-significant variables – a variable is called non-significant, if when it changes by a unit, we cannot clearly determine that the value of the dependent variable will increase or decrease. So we integrate a new criterion into the GARS to tackle this problem and find that this new criterion makes the GARS less effective. Second, we compare the performance of the improved GARS and IHSRS. We found that our solution is more robust and more effective.