**CONFENIS 2016**

10th IFIP WG 8.9 Working Conference

International Conference on Research and Practical Issues of Enterprise Information Systems

Austrian Computer Society (OCG), Vienna, Austria - [http://webcampus.ifs.tuwien.ac.at/confenis2016/](http://webcampus.ifs.tuwien.ac.at/confenis2016/)

**PROGRAM**

**Tuesday December 13th, 2016**

08.45-09.15  
Registration

Opening & Panel Session, *Room: Heinz Zemanek*

09.15-09.30  
Opening

09.30-10.15  
CONFENIS, a Successful Conference Series - New Working Group in IFIP TC8: WG 8.9: Community on Enterprise Information Systems  
*Keynote by Maria Raffai, Széchenyi István University, Hungary*

10.15-11.00  
**Human Computation and Crowdsourcing for Information Systems**  
*Keynote by Marta Sabou, Vienna University of Technology, Austria*

11.00-11.15  
**Break**

Session 1: Advanced Manufacturing and Management Aspects, *Room: Heinz Zemanek*  
**Session Chair: Petr Doucek**

11.15-11.40  
From Web Analytics to Product Analytics: The Internet of Things as a New Data Source for Enterprise Information Systems  
*Wilhelm Klat, Christian Stummer, Reinhold Decker*

11.40-12.05  
A Case-base Approach to Workforces’ Satisfaction Assessment  
*Ana Fernandes, Henrique Vicente, Margarida Figueiredo, Nuno Maia, Goreti Marreiros, Mariana Neves, José Neves*

12.05-12.30  
Enterprise Information Systems And Technologies In Czech Companies From The Perspective Of Trends In Industry 4.0 - *Josef Basl*

12.30-13.30  
**Lunch Break**

*Note: Presenters are marked in bold and italic*
Session 1 (continued): Advanced Manufacturing and Management Aspects, Room: Heinz Zemanek

Session Chair: Petr Doucek

13.30-13.55 Internet of Things Integration in Supply Chains – An Austrian Business Case of a Collaborative Closed-Loop Implementation

*Andreas Mladenow, Niina Maarit Novak, Christine Strauss*

13.55-14.20 Application of the papiNet-Standard for the Logistics of Straw Biomass in Energy Production - *Jussi Nikander*

14.20-14.45 Effective Business Process Management Centres of Excellence

*Vuvu Nqampoyi, Lisa F. Seymour, David Sanka Laar*

Session 2: Security and Privacy Issues, Room: Heinz Zemanek

Session Chair: Josef Basl

14.45-15.10 Cyber Security Awareness and Its Impact on Employee's Behavior

*Ling Li, Li Xu, Wu He, Yong Chen, Hong Chen*

15.10-15.35 Lessons learned from honeypots – statistical analysis of logins and passwords

*Pavol Sokol, Veronika Kopcová*

15.35-16.00 Towards a General Information Security Management Assessment Framework to Compare Cyber-Security of Critical Infrastructure Organizations

*Edward W. N. Bernroider, Sebastian Margiol, Alfred Taudes*

16.00-16.15 Break

Session 3: Decision Support, Room: Heinz Zemanek

Session Chair: Li Da Xu


*Petr Doucek, Milos Maryska, Lea Nedomova*

16.40-17.05 An Entropy Based Algorithm for Credit Scoring

*Roberto Saia, Salvatore Carta*

17.05-17.30 Visualizing IT Budget to Improve Stakeholder Communication in the Decision Making Process - *Alexia Pacheco, Gustavo López, Gabriela Marín-Raventós*

20.00 – 22:00 Conference Dinner on invitation of the Mayor’s Office

Location: *Wiener Rathauskeller*, Rathausplatz 1, 1010 Vienna

Meeting Point directly at Wiener Rathauskeller (ticket = badge)

For more detailed information on how to get there please see the conference venue guide.

Note: Presenters are marked in bold and italic
Wednesday December 14th, 2016

**Session 4: EIS-Practices, Room: Heinz Zemanek**  
*Session Chair: Lisa Seymour*

- **09.00-09.25**  
  Implementing an Event-driven Enterprise Information Systems Architecture: Adoption Factors in the Example of a Micro Lending Case Study  
  *Kavish Sookoo, Jean-Paul Van Belle, Lisa Seymour*

- **09.25-09.50**  
  Software Innovation Dynamics in CMSs and its Impact on Enterprise Information Systems Development - *Andrzej M.J. Skulimowski, Inez Badecka*

- **09.50-10.15**  
  Optimization of Cloud-based Applications Using Multisite QoS Information  
  *Hong Thai Tran, George Feuerlicht*

- **10.15-10.25**  
  Break

**Session 5: Semantic Concepts and Open Data, Room: Heinz Zemanek**  
*Session Chair: Maria Raffai*

- **10.25-10.50**  
  Semantic Audit Application for Analyzing Business Processes  
  *Ildikó Szabó, Katalin Ternai*

- **10.50-11.15**  
  Using Application Ontologies for the Automatic Generation of User Interfaces for Dialog-Based Applications - *Michael Hitz, Thomas Kessel*

- **11.15-11.40**  
  Semantic-based Recommendation Method For Sport News Aggregation System  
  *Quang-Minh Nguyen, Thanh-Tam Nguyen, Tuan-Dung Cao*

- **11.40-12.05**  
  Using SPEM to Analyze Open Data Publication Methods  
  *Jan Kučera, Dušan Chlapek*

- **12.05-12.30**  
  OGDL4M Ontology: Analysis of EU Member States National PSI Law  
  *Martynas Mockus*

- **12.30-13.30**  
  Lunch Break

**Session 6: CRM, Business Intelligence & Big Data, Room: Heinz Zemanek**  
*Session Chair: A Min Tjoa*

- **13.30-13.55**  
  Social media and social CRM  
  *Antonín Pavliček, Petr Doucek*

- **13.55-14.20**  
  An Approach to Discovery of Customer Profiles  
  *Ilona Pawełoszek, Jerzy Korczak*

- **14.20-14.45**  
  Measuring the success of changes to existing Business Intelligence solutions to improve Business Intelligence reporting - *Nedim Dedić, Clare Stanier*

- **14.45-15.10**  
  An Architecture for Data Warehousing in Big Data Environments  
  *Bruno Martinho, Maribel Yasmina Santos*

- **15.10-15.20**  
  Closing

**15:45**  
*IFIP WG 8.9. Meeting*

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