



University of Maribor

Faculty of Organizational Sciences

29th Bled eConference Digital Economy



June 19-22, 2016
Bled, Slovenia

Program
of the 29th Bled eConference

About Bled eConference

Bled eConference attracts speakers and delegates from business, government, information technology providers and universities and is the major venue for researchers working in all aspects of "e". There will be a variety of keynote speakers from industry, government and academe. The conference venue is the Alpine village of Bled, 30 km south of the Austrian border – one of the most beautiful spots imaginable. Expect to learn and play and come away feeling that you have achieved more than you normally would at any conference.

With fresh ideas and complementary themes we would like to establish a creative environment for researchers, government, industry/business representatives and technology providers and an attractive meeting point for discussing new R&D and project ideas, also in the spirit of new Horizon 2020.

The Conference has a wide appeal, offering:

- **a fully-refereed Research Track**, devoted to researchers in all aspects of "e";
- **ePrototype Students Bazaar**, offering the students opportunities to present innovative e- or m-Business ideas, models, prototypes and apps;
- **Graduate Students Research Consortium**, offering the students to present their ongoing master's and PhD study results;
- **a Business and Government Panel Track** which attracts eminent business and government leaders from Europe, the Americas and Asia-Pacific;
- **Business, Government and Academic Workshops and Meetings** offering unparalleled opportunities to think and share with colleagues from around the world;
- **EU projects dissemination meetings**, enabling project partners to connect with other similar projects and to disseminate results to a wider community.





Organized in cooperation with



Living bits and things 2016



REPUBLIC OF SLOVENIA
MINISTRY OF PUBLIC ADMINISTRATION



REPUBLIC OF SLOVENIA
MINISTRY OF EDUCATION, SCIENCE AND SPORT

Local Transfer

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Registration Desk

Sunday, June 19
17:00-19:00

Monday, June 20 - Wednesday, June 22
08:00-17:30

Social Events

Deans' Reception

Sunday, June 19 at 19:00
Congress Centre, Hotel Golf

Reception and Dinner

Monday, June 20
Vila Podvin, Mošnje
Bus departure from Hotel Golf at 19:00

Reception and Dinner

Tuesday, June 21 at 20:00
Hotel Golf

PROGRAM TIMETABLE - Monday, June 20

Hall/Time	9:00-10:30	11:00-12:30	14:00-15:30	16:00-17:30
Jupiter I	OPENING PLENARY SESSION Digital Economy (page 7)	PANEL E-Health Solutions: Mobile Devices and Sensors in a Clinical Environment (page 8)	PANEL Ubiquitous Computing for Well-being and Ambient Assisted Living (page 12)	RESEARCH eHealth I (page 15)
Jupiter II		The Digital Transformation Forum – Round Table (in Slovene Language) (page 9)		
Libertas		RESEARCH Mobile Systems (page 10)	RESEARCH Business Models I (page 13)	WORKSHOP SMEs Practices and Challenges in Business Model Innovation – ENVISION Project Workshop (page 16)
Concordia		RESEARCH Social Media and Big Data I (page 11)	RESEARCH General Research Track I (page 14)	RESEARCH General Research Track II (page 17)

PROGRAM TIMETABLE - Tuesday, June 21

Hall/Time	9:00-10:30	11:00-12:30	14:00-15:30	16:00-17:30	17:30-18:30
Jupiter I	Plenary Session (page 18)	RESEARCH Education in Digital Economy (page 20)	RESEARCH General Research Track III (page 23)	STUDENTS BAZAAR The Rene W. Wagenaar Student Bazaar (page 27)	Meet the Journal Editors (page 29)
Libertas		RESEARCH Social Media and Big Data II (page 21)	UPSIDE Project Conference: High Capacity Digital Societies – Make it happen! (page 24)		
Concordia		RESEARCH eHealth II (page 22)	PANEL E-Health Solutions: Big Data in Healthcare (page 25)	WORKSHOP Digital Wellness Services for Young Elderly (page 28)	
Flora & Venera	UPSIDE Project Workshop: High Capacity Digital Societies – Make it happen! (page 19)				
			RESEARCH Social Media and Big Data III (Flora Hall) (page 26)		

PROGRAM TIMETABLE - Wednesday, June 22

Hall/Time	9:00-10:30	11:00-12:30	14:00-15:30	16:00-17:30
Venera	RESEARCH Business Models II (page 30)	RESEARCH Factory of the Future (page 33)		
Flora	RESEARCH Digital Wellness (page 31)	RESEARCH Wellness & eHealth (page 34)	DOCTORAL CONSORTIUM How to prepare your thesis – Presentations and Methodological Issues (page 35)	
Concordia	BEWISER Project Conference: Clusters and Cybersecurity – Be Wiser outlines Europe's Cybersecurity Challenges (page 32)			

Opening Plenary Session

Digital Economy

Hall: Jupiter | 9:00-10:30

Bled eConference Chair

Andreja Pucihar, Associate Professor and Vice Dean for International Cooperation, Faculty of Organizational Sciences, University of Maribor, Slovenia

Living Bits and Things Conference Chair

Tomaž Vidonja, Executive Manager, Competence center Opcomm, Institute Technology Network ICT, Slovenia

Welcome Addresses

Jernej Turk, Professor & Vice Rector, University of Maribor, Slovenia

Marko Ferjan, Professor & Dean, Faculty of Organizational Sciences, University of Maribor, Slovenia

Boris Koprivnikar, Deputy Prime Minister and Minister of Public Administration, Republic of Slovenia

Marjan Turk, Director, Directorate for the Information Society, Ministry of Education, Science and Sport, Republic of Slovenia

Keynote Speakers

Innovation and Design Science Research

Alan R. Hevner, Professor and Eminent Scholar
Information Systems and Decision Sciences, Muma College of Business, University of South Florida, United States

Advancing into the Era of Cognitive IoT

Dirk Muehlenweg, Head of Sales, IBM, Global Watson IoT Center, Munich, Germany

Research Track

Johan Versendaal, Professor, HU University of Applied Sciences Utrecht & Open University of the Netherlands, The Netherlands

Best Paper Award

Roger Clarke, Principal, Xamax Consultancy Pty Ltd. & Professor, Research School of Computer Science, Australian National University, Australia

PANEL

E-Health Solutions: Mobile Devices and Sensors in a Clinical Environment

Hall: Jupiter I | 11:00-12:30

Chair

Nilmini Wickramasinghe, Professor
Deakin University and Epworth HealthCare, Australia

Panelists

Marko Bohanec, Professor, Jožef Stefan Institute, Ljubljana, Slovenia, and University of Nova Gorica, Slovenia

Andreas Buchenscheit, Professor, Cortex Media GmbH, Ulm & DHBW Heidenheim & Ulm University of Applied Sciences, Germany

Luuk Simons, Professor, Delft University of Technology, The Netherlands

Elliot Sloane, Professor, Villanova University, USA

Doug Vogel, Professor, Harbin Institute of Technology, Harbin, P. R. of China

Nilmini Wickramasinghe, Professor, Deakin University and Epworth HealthCare, Australia

From an European project to a regular telemedicine service to support patients with chronic conditions at home – a Slovenian experience

Drago Rudel, MKS Electronic Systems Ltd. & General Hospital Slovenj Gradec, Slovenia

The Digital Transformation Forum – Round Table (in Slovene Language)

Hall: Jupiter II | 11:00-12:30

Moderators

Andreja Pucihar, Associate Professor and Vice Dean for International Cooperation, Faculty of Organizational Sciences, University of Maribor, Slovenia

Tomaž Vidonja, Executive Manager, Competence center Opcomm, Institute Technology Network ICT, Slovenia

Participants

Strategy for Development of Information Society

Marjan Turk, Director, Directorate for the Information Society, Ministry of Education, Science and Sport, Republic of Slovenia

Public infrastructure and e-services

Jurij Bertok, Director – General, IT Directorate, Ministry of Public Administration, Republic of Slovenia

Indicators of Information Society in Slovenia

Gregor Zupan, Information Society, Republic of Slovenia, Statistical Office

Challenges and Opportunities for Slovene ICT Enterprises

Igor Zorko, General Manager, ZZI and President, Association for Informatics and Telecommunications, Chamber of Commerce, Slovenia

Enterprise Digitalization and IoT - Industry 4.0

Urban Žargi, LTH Castings, Slovenia (to be confirmed)

Human Resources and Knowledge for Successful Digital Transformation

Janez Bešter, Professor, Faculty of Electrical Engineering, University of Ljubljana, Slovenia

RESEARCH Mobile Systems

Hall: Libertas | 11:00-12:30

Chair

Pascal Ravesteijn, Professor, HU University of Applied Sciences Utrecht, The Netherlands

Presenters

Determining the Target System for Mobile Systems as Part of an Integrative Approach for the Economic ICS: Validation at an SME

Tamara Högler, CyberForum e.V., Germany

Johan Versendaal, Professor, HU University of Applied Sciences Utrecht & Open University of the Netherlands, The Netherlands

Privacy Awareness in Mobile Business: How Mobile OS and Apps Support Transparency in the Use of Personal Data

Mattis Hartwig, Leipzig University, Germany

Olaf Reinhold, Leipzig University, Germany

Rainer Alt, Leipzig University, Germany

Tablets Penetrate the Customer Advisory Process: A Case from a Swiss Private Bank

Rebecca Nueesch, Business Engineering Institute St. Gallen AG, Switzerland

Thomas Zerndt, Business Engineering Institute St. Gallen AG, Switzerland

Rainer Alt, University of Leipzig, Germany

Roberto G. Ferretti, University of Lugano, Switzerland

RESEARCH

Social Media and Big Data I

Hall: Concordia | 11:00-12:30

Chair

Hans-Dieter Zimmermann, Professor, FHS St. Gallen
University of Applied Sciences, Switzerland

Presenters

Instagram's 'Fitspiration' Trend and Its Effect on Young Women's Self-Esteem

Dee Goldstraw, Manchester Metropolitan University, UK

Brendan Keegan, Manchester Metropolitan University, UK

The Antecedents of Consumer-Generated Media Adoption for Travel Planning: A Literature Review

Dandison Ukpabi, University of Jyväskylä, Finland

Heikki Karjaluoto, University of Jyväskylä, Finland

Business Challenges of News Media Companies on Digital Platforms

Noora Pinjamaa, Aalto University School of Business, Finland

Aleksandre Asatiani, Aalto University School of Business, Finland

PANEL

Ubiquitous Computing for Well-being and Ambient Assisted Living

Hall: Jupiter I | 14:00-15:30

Chair

Juergen Seitz, Professor, DHBW Heidenheim, Germany

Panelists

Andreas Buchenscheit, Professor, Cortex Media GmbH, Ulm & DHBW Heidenheim & Ulm University of Applied Sciences, Germany

Christer Carlsson, Professor, IAMSIR/ Åbo Akademi University, Finland

Peter Hermann, Professor, NTNU Trondheim, Norway

Christian Kittl, Managing Director, Evolaris next level GmbH, Graz, Austria

Ambient intelligence and artificial intelligence as intelligent assistants for improvement of lives of elderly and all of us

Matjaž Gams, Professor, Jožef Stefan Institute, Slovenia

Added value of defining e-processes for well-being and ambient assisted living

Vladislav Rajkovič, Professor Emeritus, Faculty of Organizational Sciences, University of Maribor, Slovenia

Doug Vogel, Professor, Harbin Institute of Technology, Harbin, P. R. of China

Nilmini Wickramasinghe, Professor, Deakin University and Epworth HealthCare, Australia

RESEARCH Business Models I

Hall: Libertas I | 14:00-15:30

Chair

Andreja Pucihar, Faculty of Organizational Sciences,
University of Maribor, Slovenia

Presenters

Business Model Innovation in European SMEs: some Preliminary Findings

Harry Bouwman, Delft University of Technology, The Netherlands

Francisco-Jose Molina-Castillo, University of Murcia, Spain

Mark de Reuver, Delft University of Technology, The Netherlands

What drives SMEs to innovate their Business Models? A Multiple Case Study of Slovenia

Marjeta Marolt, Faculty of Organizational Sciences, University of Maribor, Slovenia

Gregor Lenart, Faculty of Organizational Sciences, University of Maribor, Slovenia

Damjan Maletič, Faculty of Organizational Sciences, University of Maribor, Slovenia

Mirjana Kljajić Borštnar, Faculty of Organizational Sciences, University of Maribor, Slovenia

Andreja Pucihar, Faculty of Organizational Sciences, University of Maribor, Slovenia

Running While Standing Still: Rethinking ICT Business Model Decisions for the New Cloud Economy

Trevor Clohessy, J.E. Cairnes School of Business & Economics, National University of Ireland Galway, Ireland

Thomas Acton, J.E. Cairnes School of Business & Economics, National University of Ireland Galway, Ireland

Lorraine Morgan, Maynooth University, Lero: The Irish Software Research Centre, Ireland

RESEARCH General Research Track I

Hall: Concordia | 14:00-15:30

Chair

Roger Bons, Professor, FOM University of Applied Sciences, Germany

Presenters

Seeing the Forest: Applying Latent Semantic Analysis to Smartphone Discourse

Jacob Miller, LeBow College of Business, Drexel University, USA

David Gefen, LeBow College of Business, Drexel University, USA

Vk Narayanan, LeBow College of Business, Drexel University, USA

The applicability of Process Mining to determine and align process model descriptions

Arjen Maris, HU University of Applied Sciences Utrecht, The Netherlands

Roland Bijvank, HU University of Applied Sciences Utrecht, The Netherlands

Pascal Ravesteijn, HU University of Applied Sciences Utrecht, The Netherlands

Entropy-Based Approach for Semi-Structured Process Enhancement

Julia Bilinkis (Stavenko), National Research University, Higher School of Economics (NRU HSE), Russia

Elena Filimonova, National Research University, Higher School of Economics (NRU HSE), Russia

Nikolay Kazantsev, National Research University, Higher School of Economics (NRU HSE), Russia

Zueva Anastasia, National Research University, Higher School of Economics (NRU HSE), Russia

RESEARCH eHealth I

Hall: Jupiter I | 16:00-17:30

Co-chairs

Nilmini Wickramasinghe, Professor, Epworth Healthcare & Deakin University, Melbourne, Australia

Juergen Seitz, Professor, DHBW Heidenheim, Germany

Presenters

Overcoming the Interruptible Nature of Allergy Treatment through applying Knowledge Management Principles: A Trip from raw Knowledge to Transferable Wisdom

Peter Haddad, Deakin University and Epworth HealthCare, Australia

Nilmini Wickramasinghe, Deakin University and Epworth HealthCare, Australia

An Investigation on Integrating Eastern and Western Medicine with Informatics

Catherine Han Lin, Deakin University Australia

Angela Wei Hong Yang, RMIT University, Australia

David Phillips, Deakin University, Epworth Healthcare, Australia

Nilmini Wickramasinghe, Deakin University and Epworth HealthCare, Australia

Using Machine Learning To Address Data Accuracy And Information Integrity In Digital Health Delivery

Zaid Zekiria Sako, Deakin University, Australia

Vass Karpathiou, RMIT University, Australia

Sasan Adibi, Deakin University, Australia

Nilmini Wickramasinghe, Deakin University and Epworth HealthCare, Australia

WORKSHOP

SMEs Practices and Challenges in Business Model Innovation – ENVISION Project Workshop

Hall: Libertas | 16:00-17:30

Co-chairs

Andreja Pucihar, Associate Professor, Faculty of
Organizational Sciences, University of Maribor, Slovenia

Harry Bouwman, Professor, Delft University of Technology,
The Netherlands

Presenters

*Digitalization of the Business World: Developments and
Challenges*

Hans-Dieter Zimmermann, Professor, FHS St. Gallen
University of Applied Sciences, Switzerland

*Digitalisation of Manufacturing - Opportunities and Threats for
SMEs*

Christian Kittl, Managing Director, evolaris next level
GmbH, Graz, Austria

Empowering SME Business Model Innovation – ENVISION Tooling

Harry Bouwman, Professor, Delft University of Technology,
The Netherlands

Marikka Heikkilä, Senior Researcher Fellow, University of
Turku, Turku School of Economic, Finland

*SecondCoach Business Model Design – A Case of Slovenian Start
Up Company*

Andrej Zupan and **Matevž Oman**

Participants

Mirjana Kljajić Borštnar, Faculty of Organizational
Sciences, University of Maribor, Slovenia

Gregor Lenart, Faculty of Organizational Sciences,
University of Maribor, Slovenia

Marjeta Marolt, Faculty of Organizational Sciences,
University of Maribor, Slovenia

Representatives of SMEs

RESEARCH

General Research Track II

Hall: Concordia | 16:00-17:30

Chair

Johan Versendaal, Professor, HU University of Applied Sciences Utrecht & Open University of the Netherlands, The Netherlands

Presenters

An Empirical Assessment of Researcher Perspectives

Roger Clarke, Xamax Consultancy Pty Ltd. & Research School of Computer Science, Australian National University, Australia

Extending the Technology Acceptance Model with Personal Innovativeness and Technology Readiness: A Comparison of Three Models

Kerttuli Koivisto, University of Jyväskylä, Finland

Markus Makkonen, University of Jyväskylä, Finland

Lauri Frank, University of Jyväskylä, Finland

Janne Riekkinen, University of Jyväskylä, Finland

The Fuzzy Front-End of Digital Transformation: Three Perspectives on the Formulation of Organizational Change Strategies

Sabine Berghaus, Institute of Information Management, University of St.Gallen, Switzerland

Plenary Session

Hall: Jupiter I | 9:00-10:30

Chair

Johan Versendaal, Professor, HU University of Applied Sciences Utrecht & Open University of the Netherlands, The Netherlands

Keynote speakers

Building a global internet of things data network

Wienke Giezeman, Initiator of The Things Network, The Netherlands

The Singularity of Commerce. High Hopes or Just a Myth

Jernej Petrin, Group Internet Direction, Studio Moderna, Slovenia

High Capacity Digital Societies – Make it happen !

Hall: Flora & Venera | 9:00-10:30 and 11:00-12:30

An increasing number of corporations engage with end-users in co-creation and innovation of products and services. But there are a number of competing perspectives on how best to integrate these understandings into existing innovation development processes. The UPSIDE Project (<http://www.upside-project.eu/>) dealt within its three years activities with methods to involve end-users in these processes.

In two parallel workshops, the UPSIDE project will tackle real city challenges and city service innovation (circular economy, public and private sector co-operation toward open innovation, stake-holder-oriented technology, ...) with two different participatory methods and compare the results.

Bring in your challenges and experience, and let's work with us!

RESEARCH

Education in Digital Economy

Hall: Jupiter I | 11:00-12:30

Chair

Mirjana Kljajić Borštnar, Professor, Faculty of Organizational Sciences, University of Maribor, Slovenia

Presenters

Teaching Software Engineering in the Cloud: Applying Cloud Computing Services in E-Business Education

Markus Grüne, Frankfurt University of Applied Sciences, Frankfurt

Mapping the European e-Competence Framework on the Domain of Information Technology: a Comparative Study

Henk Plessius, HU University of Applied Sciences, Utrecht, The Netherlands

Pascal Ravesteijn, HU University of Applied Sciences Utrecht, The Netherlands

Exploring Design Principles for Technology-Enhanced Workplace Learning

Esther van der Stappen, HU University of Applied Sciences Utrecht, The Netherlands

Ilya Zitter, HU University of Applied Sciences Utrecht, The Netherlands

Factors influencing the Information Literacy of Students: Preliminary Analysis - RIP paper

Alenka Baggia, Faculty of Organizational Sciences, University of Maribor, Slovenia

Anja Žnidaršič, Faculty of Organizational Sciences, University of Maribor, Slovenia

Mirjana Kljajić Borštnar, Faculty of Organizational Sciences, University of Maribor, Slovenia

Andreja Pucihar, Faculty of Organizational Sciences, University of Maribor, Slovenia

Andrej Šorgo, Faculty of Natural Sciences and Mathematics, University of Maribor, Slovenia

Tomaž Bartol, Biotechnical Faculty, University of Ljubljana, Slovenia

Blaž Rodič, Faculty of Information Studies, Slovenia

Danica Dolničar, Faculty of Natural Sciences and Engineering, University of Ljubljana, Slovenia

Bojana Boh Podgornik, Faculty of Natural Sciences and Engineering, University of Ljubljana, Slovenia

RESEARCH

Social Media and Big Data II

Hall: Libertras | 11:00-12:30

Chair

Hans-Dieter Zimmermann, Professor, FHS St. Gallen
University of Applied Sciences, Switzerland

Presenters

Social Media Analytics in Social CRM – Towards a Research Agenda

Matthias Wittwer, Leipzig University, Germany

Olaf Reinhold, Leipzig University, Germany

Rainer Alt, Leipzig University, Germany

On Firehoses, Windows, and Business Rules: Towards a Successful Fast Data Organisation

Chris L.V. Bartels, Vrije Universiteit Amsterdam,
The Netherlands

Marijn G.A. Plomp, Vrije Universiteit Amsterdam,
The Netherlands

*The Role of Social Media for Stakeholder Involvement:
A Literature Review*

Barbara Krumay, WU Vienna University of Economics and
Business, Austria

Sylvia Geyer, University of Applied Sciences Technikum
Wien, Austria

RESEARCH eHealth II

Hall: Concordia | 11:00-12:30

Co-chairs

Nilmini Wickramasinghe, Professor, Deakin University and Epworth HealthCare, Australia

Juergen Seitz, Professor, DHBW Heidenheim, Germany

Presenters

Standardisation of Supporting Processes in Healthcare: A case study of the APQC Healthcare Process Classification Framework

Teun Mantje, HU University of Applied Sciences Utrecht, The Netherlands

Tom Smit, HU University of Applied Sciences Utrecht, The Netherlands

David Sterk, HU University of Applied Sciences Utrecht, The Netherlands

Joris Mens, HU University of Applied Sciences Utrecht, The Netherlands

Healthy lottery. A Design Theory for a Mobile System to increase Compliance of Individuals with Diabetes

Riccardo Bonazzi, University of Applied Sciences Western Switzerland

Katherine Blondon, University Hospitals of Geneva, Switzerland

Intensive Lifestyle (e)Support to Reverse Diabetes-2

Luuk Simons, Delft University of Technology, The Netherlands

Hanno Pijl, Leiden University Medical Center, The Netherlands

John Verhoef, Leiden University Medical Center, The Netherlands

Hildo Lamb, Leiden University Medical Center, The Netherlands

Ben van Ommen, TNO, The Netherlands

Bas Gerritsen, Health Coach Program, The Netherlands

Maurice Bizino, Leiden University Medical Center, The Netherlands

Marieke Snel, Leiden University Medical Center, The Netherlands

Ralph Feenstra, Leiden University Medical Center, The Netherlands

Catholijn Jonker, Delft University of Technology, The Netherlands

RESEARCH

General Research Track III

Hall: Jupiter I | 14:00-15:30

Chair

Roger Clarke, Principal, Xamax Consultancy Pty Ltd. & Professor, Research School of Computer Science, Australian National University, Australia

Presenters

Data Portability and Online Platforms - The Effects on Competition

Barbara Engels, Cologne Institute for Economic Research, Germany

A Framework for Traceability of Legal Requirements in the Dutch Governmental Context

Koen Smit, HU University of Applied Sciences Utrecht, The Netherlands

Martijn Zoet, Zuyd University of Applied Sciences, The Netherlands

Matthijs Berkhout, HU University of Applied Sciences Utrecht, The Netherlands

Towards a Model of Heterogeneity in IT Service Value Networks: Results from a Literature Review

Robert Heininger, Technical University of Munich (TUM), Germany

Loina Prifti, Technical University of Munich (TUM), Germany

Markus Böhm, Technical University of Munich (TUM), Germany

Helmut Krcmar, Technical University of Munich (TUM), Germany

High Capacity Digital Societies – Make it happen !

Hall: Libertas | 14:00-15:30 and 16:00-17:30

Chair

Tamara Högler, CyberForum e.V., Co-ordinator UPSIDE Project

Presenters

Innovation ecosystems - how to benefit from them?

Bror Salmelin, Counsellor for Innovative Systems of the European Commission (DG CONNECT)

Urban ICT Arena – an open co-creation arena and testbed in Kista

Petra Dalunde, Chief Operating Officer – Urban ICT Arena

Clusters as innovation facilitator

Joan Marti Estevez, Director of Cluster Development Division at ACCIÓ (Catalan Agency for Competitiveness)

UPSIDE City Benchmarking Analysis

Kadri Uus, Baltic Innovation Agency

PANEL

E-Health Solutions: Big Data in Healthcare

Hall: Concordia | 14:00-15:30

Chair

Nilmini Wickramasinghe, Professor, Deakin University and Epworth HealthCare, Australia

Panelists

Bojan Cestnik, Professor, Temida d.o.o. and Jozef Stefan Institute, Ljubljana, Slovenia

Isabella Eigner, University Erlangen-Nuremberg, Institute of Information Systems, Germany

Jonathan Schaffer, Doctor, Cleveland Clinic, Cleveland, United States

Juergen Seitz, Professor, DHBW Heidenheim, Germany

Johan Versendaal, Professor, HU University of Applied Sciences Utrecht & Open University of the Netherlands, The Netherlands

Doug Vogel, Professor, Harbin Institute of Technology, Harbin, P. R. of China

RESEARCH

Social Media and Big Data III

Hall: Flora | 14:00-15:30

Co-chairs

Hans-Dieter Zimmermann, Professor, FHS St. Gallen
University of Applied Sciences, Switzerland

Urban Schrott, Communications Manager, ESET Ireland

Presenters

Do Gender and Personality Traits Influence Frequency of Use of Deal Sites?

Frantisek Sudzina, Aalborg University, Denmark

Online Romance Scam: Expensive e-Living for Romantic Happiness

Christian Kopp, Federation University, Australia

James Sillitoe, Federation University, Australia

Iqbal Gondal, Internet Commerce Security Laboratory, Australia

Robert Layton, Internet Commerce Security Laboratory, Australia

Youth e-Participation: Lessons Learned from an Ongoing Project in Switzerland

Hans-Dieter Zimmermann, FHS St. Gallen University of Applied Sciences, Switzerland

STUDENTS BAZAAR

The Rene W. Wagenaar Student Bazaar

Hall: Jupiter I | 16:00-17:30

Co-chairs

Pascal Ravesteijn, Professor, HU University of Applied Sciences Utrecht, The Netherlands

Ronald Batenburg, Professor, NIVEL & Utrecht University, The Netherlands

Presenters

A Ubiquitous Day: Raspberry Pi based Ubiquitous Network Supporting Daily Life

Kai Kuckein, Alexander Klemm

Synapse: Imagine. Connect. Be.

Alex Araque Diaz, Govinda Ruiz

University of Applied Sciences Utrecht, The Netherlands

iWasted: Making Food Management Easy

Jeremy de Jongh, Ruan Kok

HU University of Applied Sciences, Utrecht, The Netherlands

Truck Attack! – Mobile Tracking of Municipal Vehicles

Simon Cvetek

Faculty of Organizational Sciences, University of Maribor, Slovenia

DocIn: Digital Organization Check In

Bart Nieuwenhuijs, Yannie Sleben, Daniel Visser, Luuk Bolander, Maarten van Golen, Floris van Golen

HU University of Applied Sciences, Utrecht, The Netherlands

Career Blocks

Aljaž Ferencek, Blaž Sašek, Špela Strojin, Žiga Cibic

Faculty of Organizational Sciences, University of Maribor, Slovenia

WORKSHOP

Digital Wellness Services for Young Elderly

Hall: Concordia | 16:00-17:30

Chair

Christer Carlsson, Professor, IAMSIR/ Åbo Akademi University, Finland

Panelists

Sustaining Behavioural Change for Wellness Routines

Doug Vogel, Professor, Harbin Institute of Technology, Harbin, P. R. of China

Business Models and Applications for Wellness Services

Marikka Heikkilä, Senior Researcher Fellow, University of Turku, Turku School of Economic, Finland

Business Modelling in Interaction with Technical Artefact Development

Harry Bouwman, Professor, Delft University of Technology, The Netherlands

Meet the Journal Editors

Hall: Jupiter I | 17:30-18:30

Electronic Markets – The International Journal on Networked Business

Hans-Dieter Zimmermann, Co-Editor in Chief, Professor,
FHS St. Gallen University of Applied Sciences, Switzerland

International Journal of Biomedical Engineering and Technology

Nilmini Wickramasinghe, Editor in Chief, Professor,
Epworth Healthcare & Deakin University, Melbourne,
Australia

International Journal of Networking and Virtual Organisations

Nilmini Wickramasinghe, Editor in Chief, Professor,
Epworth Healthcare & Deakin University, Melbourne,
Australia

Journal of International Technology and Information Management

Pascal Ravesteijn, Editor in Chief, Professor, HU University
of Applied Sciences Utrecht, The Netherlands

Organizacija – Journal of Management, Informatics and Human Resources

Jože Zupančič, Editor in Chief, Professor Emeritus, Faculty
of Organizational Sciences, University of Maribor, Slovenia

International Journal of Organisation Design and Engineering

Journal of Theoretical and Applied Electronic Commerce Research

RESEARCH Business Models II

Hall: Venera | 9:00-10:30

Chair

Harry Bouwman, Professor, Delft University of Technology,
The Netherlands

Presenters

*Designing an ICT Tooling Platform to support SME Business
Model Innovation: Results of a First Design Cycle*

Mark De Reuver & Alexia Athanasopoulou, Delft University
of Technology, The Netherlands

Timber Haaker & Melissa Roelfsema, Innovalor,
The Netherlands

Angelika Riedl & Gert Breidfuss, Evolaris, Austria

Business Model Innovation Paths and Tools

Marikka Heikkilä, University of Turku, Turku School of
Economic, Finland

Harry Bouwman, Delft University of Technology, The
Netherlands

Jukka Heikkilä, University of Turku, Finland

Timber Haaker, Innovalor, The Netherlands

Carolina Lopez, University of Murcia, Spain

Angelika Riedl, Evolaris, Austria

*The Disruptive Impact of Digitalization on the Automotive Eco-
system: a Research Agenda on Business Models, Platforms and
Consumer Issues – Research in Progress*

Alexia Athanasopoulou, Delft University of Technology,
The Netherlands

Harry Bouwman, Delft University of Technology,
The Netherlands

Fetemeh Nikayin, Delft University of Technology,
The Netherlands

Mark De Reuver, Delft University of Technology,
The Netherlands

RESEARCH Digital Wellness

Hall: Flora | 9:00-10:30

Chair

Christer Carlsson, Professor, IAMSIR/ Åbo Akademi University, Finland

Presenters

Perceived Well-Being Effects During the Implementation of a Self-Tracking Technology

Tuomas Kari, University of Jyväskylä, Finland

Sanna Koivunen, University of Jyväskylä, Finland

Lauri Frank, University of Jyväskylä, Finland

Markus Makkonen, University of Jyväskylä, Finland

Panu Moilanen, University of Jyväskylä, Finland

To Gamify or Not to Gamify? Gamification in Exercise Applications and Its Role in Impacting Exercise Motivation

Tuomas Kari, University of Jyväskylä, Finland

Jenni Piippo, University of Jyväskylä, Finland

Lauri Frank, University of Jyväskylä, Finland

Markus Makkonen, University of Jyväskylä, Finland

Panu Moilanen, University of Jyväskylä, Finland

Interventions to form Wellness Routines Among Young Elderly

Christer Carlsson, IAMSIR/ Åbo Akademi University, Finland

Joanna Carlsson, IAMSIR/ Åbo Akademi University, Finland

Clusters and Cybersecurity – Be Wiser outlines Europe's Cybersecurity Challenges

Hall: Concordia | 9:00-17:30

Chair

Isabelle de Sutter, Systematic Paris Region, Co-ordinator
Be Wiser Project

Presenters

Clusters as facilitator for economic growth, innovation and internationalisation

Marc Pattinson, Co-ordinator European Cluster
Cooperation Platform (ECCP) and inno

Joan Marti Estevez, Director of Cluster Development
Division at ACCIÓ (Catalan Agency for Competitiveness)

Klaus Bolving, CEO, Center for Defence, Space & Security -
Cluster Manager, Danish Innovation Cluster for Production

Knut Senneseth, Special Adviser, Dept for Innovation
policy, Innovation Norway

John Hobbs, Cork Institute of Technology

Cybersecurity and privacy challenges in Europe

Philip Mills, Business Development Manager - Centre for
Secure Information Technology (CSIT), Belfast

Loïc Guézo, Trend Micro Director

Luigi Rebuffi, CEO at European Organisation for Security
(EOS)

RESEARCH Factory of the Future

Hall: Venera | 11:00-12:30

Chair

Christian Kittl, Managing Director, Evolaris next level GmbH, Graz, Austria

Presenters

Towards Understanding Closed-Loop PLM: The Role of Product Usage Data for Product Development enabled by Intelligent Properties

Manuel Holler, University of St.Gallen, Institute of Information Management, Switzerland

Emanuel Stoeckli, University of St.Gallen, Institute of Information Management, Switzerland

Falk Uebernickel, University of St.Gallen, Institute of Information Management, Switzerland

Walter Brenner, University of St.Gallen, Institute of Information Management, Switzerland

Service-Based Planning and Control of Cyber-Physical Production Systems

Christoph Berger, Fraunhofer Institute for Machine Tools and Forming Technology (IWU), Germany

Joachim Berlak, FOM University and software4production GmbH, Germany

Gunther Reinhart, Fraunhofer Institute for Machine Tools and Forming Technology (IWU), Germany

Forecasting Terminal Call Rate with Machine Learning Methods

Davorin Kofjač, Faculty of Organizational Sciences, University of Maribor, Slovenia

Andrej Škraba, Faculty of Organizational Sciences, University of Maribor, Slovenia

Amira Mujanović, Faculty of Organizational Sciences, University of Maribor, Slovenia

Aleš Brglez, Gorenje gosodinjski aparati d.d., Slovenia

RESEARCH

Digital Wellness & eHealth

Hall: Flora | 11:00-12:30

Co-chairs

Christer Carlsson, Professor, IAMSIR/ Åbo Akademi University, Finland

Nilmini Wickramasinghe, Professor, Epworth Healthcare & Deakin University, Melbourne, Australia

Juergen Seitz, Professor, DHBW Heidenheim, Germany

Presenters

Using the Delphi Method to Identify Hospital-Specific Business Process Management Capabilities in The Netherlands

Joris Mens, HU University of Applied Sciences Utrecht, The Netherlands

Pascal Ravesteijn, HU University of Applied Sciences Utrecht, The Netherlands

A Comparative Analysis of the Australian and German eHealth System

Isabella Eigner, University Erlangen-Nuremberg, Institute of Information Systems, Germany

Andreas Hamper, University Erlangen-Nuremberg, Institute of Information Systems, Germany

Nilmini Wickramasinghe, Deakin University and Epworth HealthCare, Australia

Freimut Bodendorf, University Erlangen-Nuremberg, Institute of Information Systems, Germany

Effects of Using Standing Versus Sitting Workstations on the Well-Being at Work of Software Professionals

Markus Makkonen, University of Jyväskylä, Finland

Minna Silvennoinen, University of Jyväskylä, Finland

Tuula Nousiainen, University of Jyväskylä, Finland

Arto Pesola, University of Jyväskylä, Finland

Mikko Vesisenaho, University of Jyväskylä, Finland

Adoption and Adoption Interests of Self-Tracking Technologies: Single and Multiple Technology Perspectives

Markus Makkonen, University of Jyväskylä, Finland

Tuomas Kari, University of Jyväskylä, Finland

Lauri Frank, University of Jyväskylä, Finland

Panu Moilanen, University of Jyväskylä, Finland

Doctoral Consortium – How to Prepare your Thesis - Presentations and Methodological Challenges

Hall: Flora | 14:00-15:30 and 16:00-17:30

Co-chairs

Doug Vogel, Professor, Harbin Institute of Technology, China

Roger Bons, Professor, FOM University of Applied Sciences, Germany

Alan R. Hevner, Professor and Eminent Scholar
Information Systems and Decision Sciences, Muma College
of Business, University of South Florida, United States

Presenters

Predictive Analytics for Risk and Cost Management of Standardized Treatment Processes in Hospitals

Isabella Eigner, University Erlangen-Nuremberg, Institute of Information Systems, Germany

Social Media for Development: Research Design to investigate Dutch International Development NGOs

Anand Sheombar, Manchester Metropolitan University Business School, UK & Utrecht University of Applied Sciences, The Netherlands

Learning Analytics from a Resource-Based View Perspective: Towards a Learning Analytics Capability Model

Justian H. Knobbout, HU University of Applied Sciences Utrecht, The Netherlands





Conference Chairs

Conference Chair

Andreja Pucihar, University of Maribor, Slovenia

Research Track Chair

Johan Versendaal, Professor, HU University of Applied Sciences Utrecht & Open University of the Netherlands, The Netherlands

Research Track Co-chair

Christian Kittl, evolaris next level Research Centre, Austria

Special Interest Research Track Chairs

Social media & Big Data

Hans-Dieter Zimmermann, FHS St. Gallen, Switzerland

Jari Salo, University of Cape Town, South Africa and Oulu Business School, Finland

eHealth SIT

Nilmini Wickramasinghe, Epworth HealthCare and Deakin University, Australia

Juergen Seitz, Baden-Wuerttemberg Cooperative State University, Germany

Digital Wellness

Christer Carlsson, Åbo Akademi University, Finland

Factory of the Future / Smart Factories

Christian Kittl, evolaris next level Research Centre, Austria

Wilfried Sihm, Fraunhofer Austria Research GmbH & Institute of Management Science, Vienna University of Technology, Austria



Education in Digital Economy

Mirjana Kljajić Borštnar, University of Maribor, Slovenia

Matt Glowatz, University College Dublin, Ireland

Outstanding Paper Award Committee

Roger Clarke, Xamax Consultancy Pty Ltd & The Australian National University, Australia

Andreja Pucihar, University of Maribor, Slovenia

Johan Versendaal, Professor, HU University of Applied Sciences Utrecht & Open University of the Netherlands, The Netherlands

Christian Kittl, evolaris next level Research Centre, Austria

Graduate Student Consortium Co-chairs

Doug Vogel, Harbin Institute of Technology, China

Roger Bons, Germany

Artur Lugmayr, Curtin University, Australia

Heinz Dreher, Curtin University, Australia

Students Bazaar Co-chairs

Pascal Ravesteijn, University of Applied Sciences Utrecht, The Netherlands

Ronald Batenburg, NIVEL & Utrecht University, The Netherlands

Business Track Chair

Mirjana Kljajić Borštnar, University of Maribor, Slovenia



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