

DigitalWorld 2015
ICDS 2015 / eLmL 2105 / eKNOW 2015 / eTELEMED 2015 / GEOProcessing 2015 / ACHI 2015

Conference Venue Location

Mercure Lisboa

Av. Jose Malhoa 23 1099-051 Lisboa - Portugal

Tel : (+351)21/7208000 - Fax : (+351)21/7208089 - @ : h3346@accor.com

<http://www.mercure.com/gb/hotel-3346-mercure-lisboa/index.shtml>

Conference rooms	Room A	Room B	Room C	Room D
Time slots				

Sunday, February 22

12:00	Registration starts The registration desk is located in front of the conference rooms Opened during the entire conference
13:30 - 15:00	<u>Tutorial I</u> Patient Privacy and Security in eHEALTH Dr. Güney Gürsel , Gülhane Military Medical Academy, Ankara, Turkey
15:30 - 17:00	<u>Tutorial II</u> Cutting-Edge Technology for Patent Analysis Prof. Dr.-Ing. Sigram Schindler , TELES Patent Rights International GmbH, Germany
19:00 - 20:00	Welcome Cocktail You must have your badge to attend the cocktail

Monday, February 23

09:00 - 09:15	Opening session			
09:15 - 10:15	Keynote Speaker Someplace between Dreams and Potential: Reflections on the Current Status of Technological Innovation in Health Care by Prof. Dr. Anthony Glascock , Drexel University, Philadelphia, USA			
10:15 - 10:30	Coffee Break			
10:30 - 12:15	ACHI1	eTELEMED1	GEO1	ICDS1
12:15 - 13:45	Lunch on your own			
13:45 - 15:30	ACHI2	eTELEMED2	GEO2	eKNOW1
15:30 - 15:45	Coffee Break			
15:45 - 17:30	ACHI3	eTELEMED3	eLmL1	eKNOW2
17:30 - 19:15	Panel on eKNOW/eLmL Topic: Visions of the Future - Knowledge and Education 10 Years from Now Moderator Stephen White, University of Huddersfield, UK Panelists Murtuza Ali Lakhani, Silicon Valley Scientist, USA Dirk Malzahn, Dirk Malzahn Ltd / HfH University, Germany Michelle Marquard, Cisco Systems, Inc. USA Conceicao Granja, University Hospital of North Norway, Norway Felix Hamza-Lup, Armstrong State University, USA			

Tuesday, February 24

09:15 - 10:15	Keynote Speaker What is Smart? Smart cities, Smart buildings, Smart people. Technology in a Human-centric Perspective by Prof. Dr. Lasse Berntzen , HBV, Norway			
10:15 - 10:30	Coffee Break			
10:30 - 12:15	ACHI4	eTELEMED4	GEO3	eKNOW3
12:15 - 13:45	Lunch on your own			
13:45 - 15:30	ACHI5	eTELEMED5	GEO4	eKNOW4
15:30 - 15:45	Coffee Break			
15:45 - 17:30	ACHI6	eTELEMED6	ACHI7	ICDS2
17:30 - 19:15	PANEL on ACHI Topic: Digital Media Impact on Human-Computer Interactions Moderator Leslie Miller, Iowa State University, USA Panelists Pierre Leclercq, University of Liege, Belgium Alma Leora Culén, University of Oslo, Norway Uttam Kokil, Kennesaw State University, USA			

Wednesday, February 25

09:15 - 10:15	Keynote Speaker From Unmanned Vehicles to Cyber Security: More Than Twenty Years of CIRCA Research Towards Trusted Autonomy by Dr. David Musliner , Smart Information Flow Technologies (SIFT), USA			
10:15 - 10:30	Coffee Break			
10:30 - 12:15	ACHI8	eTELEMED7	eLmL2	eKNOW5
12:15 - 13:45	Lunch on your own			
13:45 - 15:30	ACHI9	eTELEMED8	GEO5	eLmL3
15:30 - 15:45	Coffee Break			
15:45 - 17:30	ACHI10	eTELEMED9	GEO6	ICDS3
17:30 - 19:15	Panel on GEOProcessing/ICDS Topic: Geo Measurements and Urban Challenges Moderator Claus-Peter Rückemann, WWU Münster and Leibniz Universität Hannover and HLRN, Germany Panelists Sung-Bae Cho, Yonsei University, Korea Yerach Doytsher, Technion – Israel Institute for Technology, Israel Kazuaki Iwamura, Hitachi, Ltd., Japan Lasse Berntzen, HBV, Norway Claus-Peter Rückemann, WWU Münster and Leibniz Universität Hannover and HLRN, Germany			
20:00 - 23:00	GALA DINNER			

Thursday, February 26

09:15 - 10:15	Keynote Speaker Finding Common Interests in the Co-located Conferences of DigitalWorld2015: Towards a Digital Healthy Planet by Prof. Dr. Marika Hettinga , Windesheim University of Applied Sciences, The Netherlands			
10:15 - 10:30	Coffee Break			
10:30 - 12:15	ACHI11	eTELEMED10	ICDS4	
12:15 - 13:45	Lunch on your own			
13:45 - 15:30	ACHI12	eLmL4	eKNOW6	
15:30 - 15:45	Coffee Break			
15:45 - 17:30	ACHI13	eTELEMED11	eKNOW7	
17:30 - 19:15	Panel on eTELEMED Topic: HealthCare Platforms: Lessons Learned and Future Challenges Moderator Jean-Luc Strauss, Altran Research, France Panelists Ruud Janssen, Windesheim University of Applied Sciences, The Netherlands Åsa Smedberg, Stockholm University, Sweden Piotr Bala, University of Warsaw, Poland			
19:15 - 19:30	CLOSING SESSION			

Friday, February 27

Recommended to visit on your own

Sintra

Sintra - National Palace

Peña Palace - São Pedro de Penaferrim

Lisbon

The Medieval Borough of Alfama

Lisbon's Borough of Belém

Tower of Belém

National Coaches Museum

Monastery of the Jerónimos (Hieronymite Monks, built in 1502)

Panoramic: Commerce Square, Down Town, Rossio Square, Avenue da Liberdade and Campo Grande

DETAILED PROGRAM

ACHI 2015, The Eighth International Conference on Advances in Computer-Human Interactions

ACHI 1: Principles, theories, and models

Session chair: Berglind Smaradott

UI Delegation: The 3rd Dimension for Cross-Platform User Interfaces

Dagmawi Lemma Gobena, Abel Gomes, Dejene Ejigu

Human Input about Linguistic Summaries in Time Series Forecasting

Katarzyna Kaczmarek, Olgierd Hryniewicz, Rudolf Kruse

Modelling Volo, an Augmentative and Alternative Communication application

Antonina Dattolo, Flaminia Luccio

Experiments and Applications of Support System for Caregivers with Optical Fiber Sensor and Cleaning Robot

Junko Ichikawa, Norihiko Shinomiya, Tetsuya Kon

ACHI 2: Interaction & interface design & evaluation I

Session chair: Flaminia Luccio

Evaluation of a Vibrotactile Device For Outdoor and Public Transport Pedestrian Navigation Using Virtual Reality

Olivier Hugues, Lucie Brunet, Christine Megard, Philippe Fuchs

One Hand or Two Hands? 2D Selection Tasks With the Leap Motion Device

Manuel Seixas, Jorge Cardoso, Maria Dias

Developing Evaluation Matrix of Digital Library Interface by Analyzing Bloopers of Korean National Digital Library Sites

Miah Kam, Jee Yeon Lee

Implementing the Tactile Detection Task in a Real Road Experiment to Assess a Traffic Light Assistant

Michael Krause, Verena Knott, Klaus Bengler

ACHI 3: Interaction & interface design & evaluation II

Session chair: Olivier Hugues

Perspective and Use of Empathy in Design Thinking

Andrea Gasparini

Modified Betweenness to Analyze Relay Nodes to Identify Relay Nodes in Data Networks

Masaaki Miyashita, Norihiko Shinomiya

User Interface Development of a COPD Remote Monitoring Application

Berglind Smaradottir, Martin Gerdes, Rune Fensli, Santiago Martinez

Idea Generation Framework for a New Wearable Device Product/Service :based on User Context, Function, and Sensor Technology (POSTER)

Bora Kang, Sung H. Han, Joohwan Park, Heekyung Moon, Dong Yeong Jeong

ACHI 4: Interaction & interface design & evaluation III

Session chair: Daniel Pacheco

Field Evaluation of a New Railway Dispatching Software

Isabel Schütz, Anselmo Stelzer

Inversus - The Sensitive Machine

Luís Leite, Verónica Orvalho

Instruments for Collective Design in a Professional Context: Digital Format or New Processes ?

Samia Ben Rajeb, Pierre Leclercq

A Design Process for a Customer Journey Map: A Case Study on Mobile Services (POSTER)

Heekyung Moon, Sung. H. Han, Jaemin Chun, Joohwan Park, Sang W. Hong

ACHI 5: Interfaces

Session chair: Maciej Świechowski

Icons++: An Interface that Enables Quick File Operations Using Icons

Xiangping Xie, Jiro Tanaka

Designing an Adaptive User Interface According to Software Product Line Engineering

Yoann Gabillon, Nicolas Biri, Benoit Otjacques

Intelligent Shop Window

Reo Suzuki, Yutaka Takase, Yukiko I. Nakano

ACHI 6: Computer games and gaming

Session chair: Yoann Gabillon

Human-Machine Cooperation in General Game Playing

Maciej Świechowski, Kathryn Merrick, Jacek Mańdziuk, Hussein Abbass

Home Monitoring of Mental State With Computer Games; Solution Suggestion to the Mental Modern Pentathlon Scoring Problem

Pál Breuer, Gábor Csukly, Péter Hanák, László Ketskeméty, Béla Pataki

Exploring Facets of Playability: The Differences Between PC and Tablet Gaming

Uttam Kokil, José Luis González Sánchez

Physical Therapy Intervention Through Virtual Reality in Individuals With Balance Disability: a Case Study

Mauro Audi, Amanda Lavagnini Barrozo, Bruna de Oliveira Perin, Lúcia Maria Presumido Braccialli, Andréia Naomi Sankako

ACHI 7: Human-computer interaction in education and training

Session chair: Luis Grifu

G-IM: An Input Method of Chinese Characters for Character Amnesia Prevention

Kazushi Nishimoto, Jianning Wei

HCI Education: Innovation, Creativity and Design Thinking

Alma Leora Culén

Web Based E-learning Tool for Visualization and Analysis of 3D Motion Capture Data

Andraž Krašček, Kristina Stojmenova, Sašo Tomažič, Jaka Sodnik

ACHI 8: Usability and universal accessibility I

Session chair: Birgit Wendholt

Orientation Aids for Mobile Maps

Jussi Jokinen, Pertti Saariluoma

Understanding Map Operations in Location-based Surveys

Georgi Batinov, Michelle Rusch, Tianyu Meng, Kofi Whitney, Thitivatr Patanasakpinyo, Les Miller, Sarah Nusser

Using Crowdsourcing to Improve Accessibility of Geographic Maps on Mobile Devices

Tania Calle, Sergio Luján

X Sign Language (xSL) Forum: Considering Deafness as a Language Rather Than an Impairment

Zahen Malla Osman, Jérôme Dupire

ACHI 9: Usability and universal accessibility II

Session chair: Jussi Jokinen

Are Current Usability Methods Viable for Maritime Operation Systems?

Yushan Pan, Sisse Finken, Sashidharan Komandur

When Simple Technologies Make Life Difficult

Suhas Govind Joshi

Identifying User Experience Elements for People with Disabilities

Mingyu Lee, Sung H. Han, Hyun K. Kim, Hanul Bang

Adaptive Content Presentation Extension for Open edX. Enhancing MOOCs Accessibility for Users with Disabilities

Sandra Sanchez-Gordon, Sergio Luján-Mora

ACHI 10: Interactive systems

Session chair: Suhas Govind Joshi

Expressive Humanoid Face: a Preliminary Validation Study

Nicole Lazzeri, Daniele Mazzei, Antonio Lanatà, Alberto Greco, Annalisa Rotesi, Danilo Emilio De Rossi

A User-Centered Approach for Social Recommendations

Francesco Colace, Massimo De Santo, Luca Greco, Flora Amato, Vincenzo Moscato, Fabio Persia, Antonio Picariello

Scalable Projection-type Three-dimensional Display by Using Compensation of Geometric Distortion

Youngmin Kim, Sunghee Hong, Sangkyun Kim, Hyunmin Kang, Jisoo Hong, Sangwon Lee, Hoonjong Kang

Distributed Collaborative Construction in Mixed Reality

Christian Blank, Malte Eckhoff, Iwer Petersen, Raimund Wege, Birgit Wendholt

ACHI 11: Applications

Session chair: Ali Mehmood Khan

Perceptual Approach to Design of Industrial Plant Monitoring Systems

Mehmet Gokturk, Mustafa Bakir, Burak Aydogan, Mehmet Aydin

Web-based Immersive Panoramic Display Systems for Mining Applications and Beyond

Tomasz Bednarz, Eleonora Widzyk-Capehart

Combining Image Databases for Affective Image Classification

Hye-Rin Kim, In-Kwon Lee

Be Right Back - An Immersive Mixed-Reality Experience (DEMO)

Jan Menzel, Artur Neufeld, Birgit Wendholt, Franziska Hübler

ACHI 12: User modeling and user focus

Session chair: Tomaz Bednarz

Automatic Creation of a HLA Simulation Infrastructure for Simulation-Based UI Evaluation in Rapid UI Prototyping Processes

Bertram Wortelen, Christian van Göns

Sentiment Classification for Chinese Microblog

Wen-Hsing Lai, Chang-Hsun Li

Two Dimensional Shapes for Emotional Interfaces: Assessing the Influence of Angles, Curvature, Symmetry and Movement

Daniel Pacheco, Sylvain Le Groux, Paul F.M.J. Verschure

ACHI 13: Interaction devices

Session chair: Bertram Wortelen

You Do Not Miss Advice from Mentor during Presentation: Recognizing Vibrating Rhythms

Ali Mehmood Khan, Michael Lawo

The Effect of Touch-key Size and Shape on the Usability of Flight Deck MCDU

Lijing Wang, Qiyao Cao, Jiaming Chang, Chaoyi Zhao

A Literature Review: Form Factors and Sensor Types of Wearable Devices

Dong Yeong Jeong, Sung H. Han, Joohwan Park, Hyun K. Kim, Heekyung Moon, Bora Kang

Identifying Interaction Problems on Web Applications due to the Change of Input Modality

Andre da Silva, André Luis Viana, Samuel de Lima

eKNOW 2015, The Seventh International Conference on Information, Process, and Knowledge Management

eKNOW 1: Process analysis and modeling

Session chair: Martin Wynn

Enhanced Stakeholder Socialization using Common Language in Agile BPM: Living business processes models instead of rigid documentations

Marco Mevius, Erich Ortner, Peter Wiedmann

A Versioning and Commenting Approach for Enhancing Group Efficiency in Collaborative Web-Based Business Process Modeling Tools

Justus Holler

An Ontology for Formalizing and Automating the Strategic Planning Process

Juan Luis Dalmau-Espert, Faraon Llorens-Largo, Rafael Molina-Carmona

A Usability Evaluation Methodology of Digital Library

Luz A. Sánchez-Gálvez, Juan M. Fernández-Luna

eKNOW 2: Knowledge fundamentals

Session chair: Justus Holler

LOM, a Locally Oriented Metric which Improves Accuracy in Classification Problems

Julio Revilla, Evaristo Kahoraho

First Steps Towards a Formal Analysis of Law

Tom Maarten van Engers, Robert van Doesburg

Study on Web Analytics Utilizing User Environment Segmentation in “Business to Business” site.

Akiyuki Sekiguchi, Kazuhiko Tsuda

Tacit and Explicit Knowledge in Software Development Projects: Towards a Conceptual Framework for Analysis

Hanna Dreyer, Martin Wynn, Robin Bown

Knowledge Processes in German Hospitals. First Findings from the Network for Health Services Research Metropolitan Region Bremen-Oldenburg

Lars Rölker-Denker, Insa Seeger, Andreas Hein

eKNOW 3: Knowledge identification and discovery

Session chair: Hazeline U. Asuncion

S-Grouper A Semantic Based System to Semi-Automatic Encode Hospital Activities

Roberta Cuel, Andrea Francesconi, Filippo Nardelli, Giampaolo Armellin

ChoreMAP: Extracting And Displaying Visual Database Summaries Tool

Cherni Ibtissem, Faiz Sami, Laurini Robert, Warghi Mariem

The Knowledge Reuse in an Industrial Scenario: A Case Study

Gianfranco E. Modoni, Enrico G. Caldarola, Walter Terkaj, Marco Sacco

ARPPA: Mining Professional Profiles from LinkedIn Using Association Rules

Paula Silva, Wladimir Brandão

Towards Improving Students' Attitudes to Lectures and Getting Higher Grades --With Analyzing the Usage of Keywords in Class-Evaluation Questionnaire--

Toshiro Minami, Yoko Ohura

eKNOW 4: Information management

Session chair: Sandra Schön

Supporting Provenance in Climate Science Research

Brett Yasutake, Niko Simonson, Jason Woodring, Nathan Duncan, William Pfeffer, Hazeline Asuncion, Munehiro Fukuda, Eric Salathe

Discount Coupons Dematerialization: a Comprehensive Literature Review

Gonçalo Paiva Dias, Hélder Gomes, Jorge Gonçalves, Daniel Magueta, Fábio Marques, Ciro Martins, Mário Rodrigues, Jorge Araújo

High-Level Tutorial I to Claimed Inventions' post-Alice SPL Testing (PRESENTATION)

Sigram Schindler

Demo for V4C Project Consortium – A Digital Coupons Management System (DEMO)

Jorge Araújo, Gonçalo Dias, Hélder Gomes, Jorge Gonçalves, Daniel Magueta, Fábio Marques, Ciro Martins, Mário Rodrigues

eKNOW 5: Decision support systems

Session chair: Dirk Malzahn

Knowledge Intensive Evolutionary Algorithms

François de Bertrand de Beuvron, Carlos Catania, Cecilia Zanni-Merk

Guidelines for Social Media Mining for Innovation Purposes. Experiences and Recommendations from Literature and Practice

Robert Eckhoff, Mark Markus, Markus Lassnig, Sandra Schön

The Application of Machine Learning to Problems in Graph Drawing - A Literature Review

Raissa dos Santos Vieira, Hugo Alexandre Dantas do Nascimento, Wanderson Barcelos da Silva

Game Refinement Theory and Multiplayer Games: Case Study Using UNO

Alfian Ramadhan, Hiroyuki Iida, Nur Ulfa Maulidevi

eKNOW 6: Process and knowledge management

Session chair: Stefania Pieroni

ERP Implementation in a Developing World Context: a Case Study of the Waha Oil Company, Libya

Hosian Akeel, Martin Wynn

The Key Contributions of the Operations Management and Information Systems Disciplines to Business Process Management

Philippe Marchildon, Pierre Hadaya

Mapping the Fuzzy Semantic Model into Fuzzy Object Relational Database Model

Sabrina Jandoubi, Afef Bahri, Salem Chakhar, Nadia Yacoubi-Ayadi

Knowledge and Technology Transfer in the Center for Scientific and Technical Information of the Wrocław University of Technology

Anna Wałek, Katarzyna Kozłowska

eKNOW 7: Knowledge semantics processing and ontology

Session chair: Philippe Marchildon

ODINet Online Data Integration NETwork: an Innovative Ontology-based Data Search Engine

Stefania Pieroni, Michela Franchini, Sabrina Molinaro, Alessandro Greco, Francesco Pitto, Moreno Toigo, Luca Caterino

If Experience is Worth, How Experts Behave in a Manga Case

Satoshi Takahashi, Toru B. Takahashi, Atsushi Yoshikawa, Takao Terano

Compound Noun Polysemy and Sense Enumeration in WordNet

Abed Alhakim Freihat, Biswanath Dutta, Fausto Giunchiglia

Automatic Diagrammatic Multiple Choice Question Generation from Knowledge Bases

Khalil Bouzekri, Qiang Liu, Husam Yasin, Benjamin Min Xian Chu, Dickson Lukose

eLmL 2015, The Seventh International Conference on Mobile, Hybrid, and On-line Learning

eLmL 1: Mobile learning, teaching, and training

Session chair: Michelle Marquard

Mobile Computing Program Curriculum —Design and Implementation

Khaled Ben Hamed

An Empirical Study on the Ludic and Narrative Components in Mobile Game-Based Learning

Alfredo Imbellone, Brunella Botte, Carlo Maria Medaglia

Towards Generating Multiple-Choice Tests for Supporting Extensive Reading

Shinjiro Okaku, Yoichi Tomiura, Emi Ishita, Shosaku Tanaka

eLmL 2: On-line learning

Session chair: Stephen White

Preparing Higher Education Tutors for Delivering Online Courses

Stephen White, Sue Folley, Steven Williams, Jessica Allen

Developing a Computer Ethics Course for Online Learners

Cynthia Lester

Smart Science Laboratory for Improving Learning Interest

Jong Weon Lee, Kyung Jin Han, Eun Kyoung Choi, Kyung Soon Baek, Yoon Jang

eLmL 3: Tools and platforms

Session chair: Athanasios Christopoulos

Service-Oriented Development of Content and Knowledge Provision Tool

Sonja D. Radenkovic, Jelena Jovanovic, Vladan Devedzic

Content Co-creation and Refinement for Microlearning Settings

Kazuhiro Kuwabara, Boonsita Roengsamut

Hybrid Course Delivery: Impact on Learning and Assessment

Felix Hamza-Lup, Stephen White

eLmL 4: Hybrid learning

Session chair: André da Silva

How Interactive is your Virtual World? Examining Student Engagement on Virtual Learning Activities

Athanasios Christopoulos, Marc Conrad, Mitul Shukla

Gamification of Higher Education by the Example of Computer Games Course

Martin Sillaots

|Ae|: an e-Learning Environment with Multimodal Interaction

Andre da Silva

eTELEMED 2015, The Seventh International Conference on eHealth, Telemedicine, and Social Medicine

eTELEMED 1: Social oriented practices I

Session chair: Kashif Sheikh

Videoconferencing in Mental Health Care: Professional Dilemmas in a Changing Health Care Practice

Ruud Janssen, Hilco Prins, Annemarie van Hout, Jan Nauta, Marike Hettinga, Lian van der Krieke, Sjoerd Sytema

Collaboration in Surgical Training: A Qualitative Study of Mentoring Laparoscopic Surgeons by Using Videoconference in Northern Norway

Line Lundvoll Warth, Etai M Bogen, Rolv-Ole Lindsetmo, Hitendra RH Patel, Knut M Augestad

Synchronous and Asynchronous Medical Problem Solving

Line Lundvoll Warth, Rigmor Furu

Nursing Telecare Public Stories and Practices

Annemarie van Hout, Jeannette Pols, Marike Hettinga

How to Use Qualitative Interviews in E-health Research

Hege Kristin Andreassen, Marianne Vibeke Trondsen

eTELEMED 2: Social oriented practices II

Session chair: Line Lundvoll Warth

Online Patients in an Offline Health Care Sector: Are Hospitals Ready for Electronic Communication With Patients?

Conceição Granja, Kari Dyb, Stein Roald Bolle, Gunnar Hartvigsen

FUNNKe - A Norwegian Large Scale Implementation Project

Eirin Rødseth, Gerd Ersdal, Anne Granstrøm Ekeland

Telerehabilitation after Total Knee Replacement: Business Model Proposals and Insights from Tuscany
Francesco Fusco, Maral Mahdad, Giuseppe Turchetti

Unintended Consequences of Telemedicine Implementation
Hege Kristin Andreassen

Assembling Agency for Viability: Videoconference in Orthopaedic Consultations
Anne G Ekeland

eTELEMED 3: eHealth systems and communications

Session chair: Anne Granstrom Ekeland

An E-health Evaluation Case study : Evaluating The New Laboratory Information System
Güney Gürsel, Hüsamettin Gül, Kaya Kuru

Use of Cloud Computing with Wireless Sensor Networks in an Internet of Things Environment for a Smart Hospital Network
Nawaf Alharbe, Anthony Atkins, Justin Champion

Impact of Source Parameters and Link Capacity on WBSN Based on Polling Access Scheme
Tatiana Annoni Pazeto, Shusaburo Motoyama

Enhanced Performance Analysis of a Hierarchical Polling-based MAC Access Scheme for WBAN
Fernando Di Gianni, Shusaburo Motoyama

Security Analysis of a Patient Monitoring System for the Internet of Things in eHealth
Kashif Habib, Arild Torjusen, Wolfgang Leister

eTELEMED 4: Personalized eHealth

Session chair: Jesko Elsner

The Role of Care Pathways in Personal Health Records
Juha Puustjärvi, Leena Puustjärvi

Innovative Project For Domomedicine Deployment - The PiCADO Pilot Project
Monique Maurice, Francis Lévi, Gabrièle Breda, Nicolas Beaumatin, Alexandre Duclos, Aly Chkeir, David Hewson, Jacques Duchêne

Managing Self-Management in Healthcare: from a Systemic Perspective
Åsa Smedberg, Piero Giacomelli

Diabetes Lifestyle Support with Improved Glycemia Prediction Algorithm
Péter Gyuk, Tamás Lőrincz, Rebaz A. H. Karim, István Vassányi

CallMeSmart Becoming Ubiquitous and Self-learning
Terje Solvoll, Monika Johansen, Gunnar Hartvigsen, Alain Giordanengo

eTELEMED 5: eHealth information processing

Session chair: Juha Puustjarvi

New Generation Advanced Analytics Tools in Medical Systems

Vesselin Gueorguiev, Ivan Evgeniev Ivanov, Desislava Georgieva

Knowledge Management Framework for E-Healthcare in Saudi Arabia

Saleh Almuayqil, Anthony S. Atkins, Bernadette Sharp

Document-Driven Care Pathways Using HL7 CDA

John Chelsom, Ian Gaywood, Ira Pande, Conceição Granja, Stein Roald Bolle

Towards Integrated Analysis of Risk Factors and Diabetes Prevention Using Big Data and Natural Language Processing

Dimitar Tcharaktchiev, Svetla Boytcheva, Zhivko Angelov, Ivelina Nikolova, Galia Angelova

On the Need for Interdisciplinary Teams in Health IT Design

Kari Dyb, Conceição Granja, Stein Roald Bolle, Gunnar Hartvigsen

eTELEMED 6: Classical medicine and eHealth integration

Session chair: John Chelsom

Multiple Sites, Multiple Technologies, One Objective: A Work in Progress

Anthony Glascock

Strategic Framework for Cloud Computing Decision-Making in Healthcare Sector in Saudi Arabia

Fawaz Alharbi, Anthony Atkins, Clare Stanier

Implementing a Volunteer Notification System Into a Scalable, Analytical Realtime Data Processing Environment

Jesko Elsner, Tomas Sivicki, Philipp Meisen, Tobias Meisen, Sabina Jeschke

Benefit of Telemedicine for Patients with Diabetes Mellitus

Irene Tagliente, Matteo Ritrovato, Nicola Ullmann, Francisco. J. Leon Trujillo, Riccardo Schiaffini

Deployment of Electronic Prescriptions in Belgium

Marc Nyssen, Marc Buckens

eTELEMED 7: eHealth technology and devices I

Session chair: Rainer Planinc

Process Evaluation of a Cluster Randomised Controlled Trial of a Monitoring and Feedback Tool Embedded in a Counselling Protocol to Stimulate Physical Activity

Renee Verwey, Sanne van der Weegen, Huibert Tange, Marieke Spreeuwenberg, Trudy van der Weijden, Luc de Witte

Cluster Randomised Controlled Trial of a Mobile Monitoring and Feedback Tool Embedded in a Counselling Protocol to Stimulate Physical Activity in Chronically Ill Patients

Sanne van der Weegen, Renée Verwey, Huibert Tange, Marieke Spreeuwenberg, Trudy van der Weijden, Luc de Witte

Telecardiology Assistance in Senior Living House

Milica Kaladjurdjevic

Development of eHealth Applications Applying the eHix Framework

Jan M. Nauta, Elles Gyaltsen-Lohuis, George Wink, Age Braad, Guido Van Alphen, Karste De Vries, Marike Hettinga

eLabEL: Technology-supported Living Labs in Primary Care

Joan Vermeulen, Martine Huygens, Wendy Oude Nijeweme - d'Hollosy, Lex van Velsen, Ilse Swinkels, Yvonne Jansen, Luc de Witte

eTELEMED 8: eHealth technology and devices II

Session chair: Jan Nauta

Developing an Interactive Web Tool, the DecideGuide, to Facilitate Shared Decision Making in Dementia Care Networks: Lessons learned

Marijke Span, Carolien Smits, Leontine Groen-van de Ven, Jan Jukema, Myrra Vernooij-Dassen, Jan Eefsting, Marike Hettinga

Self-monitoring of Physical Frailty; a Proactive Approach in Community-dwelling Elderly People

Joan Vermeulen, Jacques CL Neyens, Marieke D Spreeuwenberg, Erik van Rossum, Luc P de Witte

Use of Mobiles for Reducing Infant Mortality by Increasing Adherence to Vaccinations in a Low Resource Setting

Saurav Gupta, Dhanander K. Jain

Mobile Health & Medical Apps: Possible Impediments to Healthcare Adoption

Ceara Treacy, Fergal McCaffery, Anita Finnegan

iSpiro - Presentation of simple and intuitive App made for iPad (MFI) to measure Spirometry and Oximetry (DEMO)

Irene Tagliente, Nicola Ullmann, Chiara Pizziconi, Flavia Lombardi, Francesca Giovannini, Matteo Ritrovato, Renato Cutrera

eTELEMED 9: Telemedicine/eHealth applications

Session chair: Irene Tagliente

A Holistic Framework for Assisting Decision Makers of Healthcare Facilities to Assess Telemedicine Applications in Saudi Arabia

Abdullellah Alaboudi, Anthony Atkins, Bernadette Sharp

The Circulation Assessment of Daily e-health by Using Instantaneous Pulse Rate Variability During Nonstationary Conditions

Pei-Chen Lin, Chia-Chi Chang, Tzu-Chien Hsiao, Hung-Yi Hsu

Enhancing the Wellbeing at the Workplace

Rainer Planinc, Michael Hödlmoser, Martin Kampel

Intelligent Insulin Pens A luxurious instrument or an essential gadget ? — A qualitative study

Mohammed Kalkattawi, Tatsuo Nakajima

High Tech for Sports Medicine; Supporting Employees Improving Their Health and Fitness

Hilco Prins, Marike Hettinga, Wasim Alsaqaf, Sietske van Berkel

eTELEMED 10: Telemedicine/eHealth services I

Session chair: Piotr Bała

A Proposal of Remote Rehabilitation System for Cerebrovascular Patients Combined with Video Call Center

Yoshitoshi Murata, Shuhei Nagasawa, Akimasa Suzuki

CyMED: a Platform for Supporting Collaboration and Coordination of Home Care Teams using a Process Oriented Approach

Awatef Hicheur Cairns, Nathalie Dos Reis, Andrew Cairns, Christophe Lefrère, Gilles Leloup, Antonio Caicao, Jean luc Strauss

IT-supported Double Medication Check for Home Care

Elles Gyaltsen-Lohuis, Sikke Visser, Marike Hettinga, Ruud Janssen, Jan Nauta

Pharmaceutical Care Services to Support eHealth Management of Chronic Diseases in Senior Patients (PRESENTATION)

Â. M. Pizarro, J. P. Gregório, L. V. Lapão

eTELEMED 11: Telemedicine/eHealth services II

Session chair: Sikke Visser

Respiratory Movement for Health Assessment by Using Internal-external Cross Correlation Investigation

Chain-Yu Su, Chun-Chao Chuang, Ya-Chen Chen, Tzu-Chien Hsiao

Seamless Medical Image Processing on the Grid on the Example of Segmentation and Partition of the Airspaces

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Session chair: Salla Multimäki

Geocoding with OpenStreetMap Data

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Lassi Lehto, Eero Hietanen, Pekka Latvala

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Temporally Transformed Map Animation for Visual Data Analysis

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On Maxmin Active Range Problem for Weighted Consistent Dynamic Map Labeling

Xiao Zhang, Sheung-Hung Poon, Minming Li, Victor C.S. Lee

A Dynamic IT Model for Territorial Integrated Management

Maria José Lucena e Vale, Bruno M. Meneses, Rui Reis, Raquel Saraiva, Jesus Villegas, Mariano Cruz

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Violeta Velasco Mansilla, Enric Vázquez-Suñé, Mar Alcaraz, Rotman Criollo, Alejandro Serrano, Alejandro García

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Wagner Boaventura Filho, Harley Vera Olivera, Maristela Holanda, Aleteia Araujo

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Jaana Mäkela, Laura Waldén

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Inferring Urban Population Distribution from GSM data: An Experimental Case Study

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Sensors Placement in Urban Environments Using Genetic Algorithms

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IQAr: A Web Based GIS for Air Quality Monitoring in Real-time

Matheus Rosendo, Rafael Geha Serta, Yuri Arnold Gruber, Fabiano Scheer Hainosz

Mining Spatial and Temporal Movement Patterns of Passengers on Bus Networks

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Geoprocessing Applied to Open Government Data

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Data Concretization States as Metadata of Parameterized Regional Futures in a WebSDSS Development Context

Rico Vogel, Marco Neubert, Axel Sauer

A new nD Temporal Geodata Management Approach using GML

Martin Hoppen, Michael Schluse, Juergen Rossmann, Christoph Averdung

Personalized Trajectory Reconstruction Problem with low-sampling data

Edison Ospina, Francisco Moreno

A Package for the Homogenisation of Climate Data Using Geostatistical Simulation

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Towards the Use of Crowdsourced Volunteered Meteorological Data for Forest Fire Monitoring

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ICDS 1: Citizen-oriented digital evidence

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Visual Data Mining Framework Based on Peer-to-Peer Architecture

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Najib Belkhat, Aziz Doukkali, Boubker Regragui

A Comparison of Data Mining Techniques for Anomaly Detection in Relational Databases

Charissa Ann V. Ronao, Sung-Bae Cho

Improving ASR Recognized Speech Output for Effective Natural Language Processing

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Development of the Model of Dynamic Storage Distribution in Data Processing Centers

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Reliable Document-centric Processing in a Loosely Coupled Email-based System

Magdalena Godlewska

Spectrum Allocation Policies in Fragmentation Aware and Balanced Load Routing for Elastic Optical Networks

André C. S. Donza, Carlos R.L. Francês, João C. W. A. Costa

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Jerzy Kaczorek, Bogdan Wiszniewski

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Kapil Kant Kamal, Manish Kumar, Bharat Varyani, Sumit Barwad

SME Security in the Hospitality Industry (PRESENTATION)

Stuart Warden, David Bedi

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No Outstanding Surprises when Using Social Media as Source for Weak Signals?

Robert Eckhoff, Mark Markus, Markus Lassnig, Sandra Schön

Social Networks: Privacy Issues and Precautions

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Risk Assessment Quantification of Ambient Service

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Chronomorphic Programs: Using Runtime Diversity to Prevent Code Reuse Attacks

Scott Friedman, David Musliner, Peter Keller