

DigitalWorld 2014
ICDS 2014 / ACHI 2014 / GEOProcessing 2014 / eTELECOM 2014 / eLmL 2014 / eKNOW 2014

Conference Venue Location

Novotel Barcelona Sant Joan Despi
Carrer de la TV3, 2
08970 Sant Joan Despi
Spain

Note: Direct bus Airport -Hotel, from terminal T1: Bus L77

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

Sunday, March 23

13:00	Registration starts The registration desk is located in front of the conference rooms Opened during the entire conference
14:45 - 16:45	Tutorial 1 How Does ICT Contribute to Public Sector Innovation? Prof. Dr. Lasse Berntzen, Vestfold University College - Tønsberg, Norway
16:45 - 17:00	
17:00 - 19:00	Tutorial 2 Digital Speedup Meets Long-term Requirements: Sciences, Knowledge, and Computing Prof. Dr. Claus-Peter Rückemann, Leibniz Universität Hannover and Westfälische Wilhelms-Universität (WWU) Münster and North-German Supercomputing Alliance (HLRN), Germany
19:00 - 20:00	Welcome Cocktail You must have your badge to attend the cocktail

Monday, March 24

09:00 - 09:15	Opening session			
09:15 - 10:00	Keynote Speaker The Learning World is Not Flat: Leadership, Culture, Community, and Innovation Dr. Michelle Marquard, Cisco Systems, Inc., USA			
10:00 - 10:15	Coffee Break			
10:15 - 12:00	ACHI1	eTELEMED1	ICDS1	eKNOW1
12:00 - 12:15	Coffee Break			
12:15 - 14:00	ACHI2	eTELEMED2	ICDS2	eKNOW2
14:00 - 15:00	Lunch Break			
15:00 - 16:45	ACHI3	eTELEMED3	GEO1	eLmL1
16:45 - 17:00	Coffee Break			
17:00 - 18:45	ACHI4	eTELEMED4	GEO2	eLmL2
18:45 - 20:15	Panel eTELEMED Topic: Lessons Learned Moderator			

	Lisette van Gemert-Pijnen, University of Twente, The Netherlands Panelists Rodrigo Mariño, University of Melbourne, Australia Åsa Smedberg, Stockholm University, Sweden Marieke Hettinga, Windesheim University of Applied Sciences, The Netherlands Terje Solvoll, Norwegian Centre for Integrated Care and Telemedicine, Norway Conceição Granja, University Hospital of North Norway, Norway Olga Kulyk, University of Twente, The Netherlands Karin Blomberg, Örebro University, Sweden
--	--

Tuesday, March 25

09:15 - 10:00	Keynote Speaker 3D Urban Areas Scenes Based on a Hierarchical Clustering Approach and Information Theory Prof. Dr. Yerach Doytsher, Technion - Israel Institute of Technology, Israel			
10:00 - 10:15	Coffee Break			
10:15 - 12:00	ACHI5	eTELEMED5	GEO3	eKNOW3
12:00 - 12:15	Coffee Break			
12:15 - 14:00	ACHI6	eTELEMED6	ICDS3	eKNOW4
14:00 - 15:00	Lunch Break			
15:00 - 16:45	ACHI7	eTELEMED7	ICDS4	eLmL3
16:45 - 17:00	Coffee Break			
17:00 - 18:45	ACHI8	GEO4	ICDS5	eLmL4
18:45 - 20:15	Panel ACHI Topic: User-centric Interaction Challenges Moderator Alma Leora Culén, University of Oslo, Norway Panelists Jacques Penders, Sheffield Hallam University, UK Mina Terauchi, Polytechnic University, Japan Bruno Fanini, CNR ITABC, Italy Karlheinz Blankenbach, Pforzheim University, Germany			

Wednesday, March 26

08:15 - 10:00	ACHI9	eTELEMED8	ICDS6	
10:00 - 10:15	Coffee Break			
10:15 - 12:00	ACHI10	eTELEMED9	ICDS7	eKNOW5
12:00 - 12:15	Coffee Break			
12:15 - 14:00	ACHI11	eTELEMED10	GEO5	eKNOW6
14:00 - 15:00	Lunch Break			
15:00 - 16:45	ACHI12	eTELEMED11	GEO6	eLmL5
16:45 - 18:30	Panel ICDS Topic: eGovernment and Digital Society: Accessibility, Usability, Effectiveness, Involvement Moderator			

	Andranik Tangian, WSI in the Hans-Boeckler-Foundation and Karlsruhe Institute of Technology, Germany Panelists Omar S. Al-Hujran, Princess Sumaya University for Technology – Amman, Jordan Stephen White, University of Huddersfield, UK Murtuza Ali Lakhani, Apollo Group, USA Lasse Berntzen, Vestfold University College - Tønsberg, Norway Andranik Tangian, WSI in the Hans-Boeckler-Foundation and Karlsruhe Institute of Technology, Germany
20:00 - 23:00	GALA DINNER

Thursday, March 27

09:15 - 10:00	Keynote Speaker eKnowledge Enables Patent Precedents to Protect the Way into the Innovation Age Prof. Dr. Sigrum Schindler, Teles Patent Rights International, Germany			
10:00 - 10:15	Coffee Break			
10:15 - 12:00	ACHI13	eTELEMED12	ICDS8	eKNOW7
12:00 - 12:15	Coffee Break			
12:15 - 14:00	ACHI14	eTELEMED13	ICDS9	eKNOW8
14:00 - 15:00	Lunch Break			
15:00 - 16:45	ACHI15	ACHI16	eTELEMED14	
16:45 - 17:50	CLOSING SESSION			

Friday, March 28

Recommended to be visited on your own:

See:

General information: www.barcelonatourguides.com

Contact: info@barcelonatourguides.com

Barcelona

Park Güell
Sagrada Familia
Picasso Museum
Gaudi Museum
Museum of Catalan Art
Montjuic Hill
La Rambla
La Marina

Girona

SalvadorDali Museum [one day trip from Barcelona]

DETAILED PROGRAM

ACHI 2014, The Seventh International Conference on Advances in Computer-Human Interactions

ACHI 1: Interaction and Interface Design and Evaluation I

Session chair: Alberto Betella

Publicly Displayed Interactive Installations: Where Do They Work Best?

Rune B. Rosseland, G. Snorre Berge, Alma Leora Culén

Using the Implicit Association Test for Interface-Based Evaluations

Tiago Devezas, Bruno Giesteira

Towards the Tangible Hyperlink

Alfredo Pérez Fernández

Interaction With Mobile Devices by Elderly People: The Brazilian Scenario

Ricardo Leme, Luciana Zaina, Vitor Casadei

ACHI 2: Interaction and Interface Design and Evaluation II

Session chair: Alfredo Perez

A Set Of Heuristics for User Experience Evaluation in E-commerce Websites

Laia Bonastre, Toni Granollers

Sonification of Large Datasets in a 3D Immersive Environment: A Neuroscience Case Study

Panagiota Papachristodoulou, Alberto Betella, Paul F. Verschure

Design Guidelines and Design Recommendations of Multi-Touch Interfaces for Elders

Bruno Loureiro, Rui Rodrigues

User-Interface Design Points Based on Mental Model (POSTER)

Toshiki Yamaoka

ACHI 3: Interaction and Interface Design and Evaluation III

Session chair: Ali Abdallah

PolyPie: A Novel Interaction Techniques For Large Touch Surfaces With Extended Wall Displays

Ihab Maged, Michael Louis, Mohamed Thabet, Ayman Atia

Trombosonic: Designing and Exploring a New Interface for Musical Expression in Music and Non-Music Domains

Oliver Hödl, Geraldine Fitzpatrick

Colourful Privacy: Designing Visible Privacy Settings with Teenage Hospital Patients

Maja van der Velden, Margaret Machniak

On the Measurement of Mental Models for Interface Design

Ryota Mori, Toshiki Yamaoka

Travel Experience Cards: Capturing User Experiences in Public Transportation

Alma Leora Culén, Maja van der Velden, Jo Herstad

ACHI 4: Other Domain Applications

Session chair: Oliver Hoedl

Coupling Artificial Neural Networks and Genetic Algorithms in Redesigning Existing Cities for Flood Resistance

Gene Oliver Cruz, Florencio Ballesteros, Jr., Ariel Blanco

Simplified Customer Segmentation Applied to an Outbound Contact Center Dialer

Telmo Ricardo Lopes Alberto, Pedro Mendes da Silva

Find a Book! Unpacking Customer Journeys at Academic Library

Alma Leora Culén, Andrea A. Gasparini

3D Web-Based Shape Modelling: Building up an Adaptive Architecture

Ali Abdallah, Oleg Fryazinov, Valery Adzhiev, Alexander Pasko

ACHI 5: Usability and Universal Accessibility

Session chair: Mahsa Teimourikia

Methodology for Designing User Test Environments to Evaluate Web Accessibility Barriers with Disabled Users

Afra Pascual, Toni Granollers, Mireia Ribera, Jordi Coiduras

Comparing Recognition Methods to Identify Different Types of Grasps for Hand Rehabilitation

Beatriz Leon, Angelo Basteris, Farshid Amirabdollahian

Needs and Usability Assessment of a New User Interface for Lower Extremity Medical Exoskeleton Robots

Yoon Jung Jeong, Euiyoung Kim, Homayoon Kazerooni

Interactive Engagement Capabilities as an Indicator of E-Learning Systems' Usability

Aljawharah Al-Muaythir, Khalid Alnafjan, Lamia Al-Kwai

ACHI 6: Interactive Systems

Session chair: Beatriz Leon

Interactive Systems Adaptation Approaches: A survey

Imen Jaouadi, Raoudha Ben Djemaa, Hanene Ben Abdallah

A Tangible Directional-View Display for Interaction

Youngmin Kim, Byoung-ha Park, Kwang-Soon Choi, Kwang-Mo Jung

HANDY: A Configurable Gesture Recognition System

Mahsa Teimourikia, Hassan Saidinejad, Sara Comai

Concepts of Multi-artifact Systems in Artifact Ecologies

Henrik Sørensen, Jesper Kjeldskov

ACHI 7: Haptic Interfaces

Session chair: Grace Ngai

Following a Robot using a Haptic Interface without Visual Feedback

Ayan Ghosh, Lyuba Alboul, Jacques Penders, Peter Jones, Heath Reed

Posture-Angle Perception and Reproduction Characteristics with Wrist Flexion/Extension Motions

Yoshihiko Nomura, Tatsuya Ito

Position and Force-direction Detection for Multi-finger Electrostatic Haptic System Using a Vision-based Touch Panel

Taku Nakamura, Akio Yamamoto

TouchPair : Dynamic Analog-Digital Object Pairing for Tangible Interaction using 3D Point Cloud Data

Unseok Lee, Jiro Tanaka

ACHI 8: Principles, Theories, and Models

Session chair: Jacques Penders

Rapid Prototyping Spiral for Creative Problem Solving in Developing Countries

Shohei Aoki, Koichi Hori

Characteristics, Attributes, Metrics and Usability Recommendations: A Systematic Mapping

Franciela Nissola, Fabiane Barreto Vavassori Benitti

Do I Really Have to Accept Smart Fridges? An Empirical Study

Bushra Alolayan

Nonintrusive Multimodal Attention Detection

Hugo Jiawei Sun, Michael Xuelin Huang, Grace Ngai, Stephen Chi Fai Chan

ACHI 9: Computer Games and Gaming

Session chair: Johanna Silvennoinen

Gamification of a Project Management System

Darius Ašeriškis, Robertas Damaševičius

Non Intrusive Measures for Determining the Minimum Field of View for User Search Task in 3D Virtual Environments

Zahen Malla Osman, Jérôme Dupire, Alexandre Topol, Pierre Cubaud

Creating a Social Serious Game. An Interdisciplinary Experience Among Computer Scientists and Artists from UNLP Faculties

Javier Francisco Díaz, Laura Andrea Fava, Luciano Nomdedeu, Carlos Pinto, Yanina Hualde, Leo Bolzicco, Vicente Bastos Mendes Da Silva

What Games Do

Jari Due Jessen, Carsten Jessen

ACHI 10: Interfaces I

Session chair: Jari Due Jessen

Towards Essential Visual Variables in User Interface Design

Johanna Silvennoinen

Traffic Light Assistant -What the UsersWant

Michael Krause, Alexander Rissel, Klaus Bengler

Evaluation of Window Interface in Remote Cooperative Work Involving Pointing Gestures

Ryo Ishii, Kazuhiro Otsuka, Shiro Ozawa, Harumi Kawamura, Akira Kojima, Yukiko Nakano

Novel Gesture and Touch System with Transparent and Curved Electrodes Enables New Computer-Human Interactions (POSTER)

Karlheinz Blankenbach, Atanas Delovski

ACHI 11: Interfaces II

Session chair: Christian Bourret

Smartphone-Based 3D Navigation Technique for Use in a Museum Exhibit

Louis-Pierre Bergé, Gary Perelman, Mathieu Raynal, Cédric Sanza, Marcos Serrano, Minica Houry-Panchetti, Rémi Cabanac, Emmanuel Dubois

A 3D Interface to Explore and Manipulate Multi-scale Virtual Scenes using the Leap Motion Controller

Bruno Fanini

Touchscreen User Motion Anticipation for Usability Improvement

Tetsuyou Watanabe, Sawako Furuya

Panoramic Interaction with Interval Data Based on the Slider Metaphor

Phillip Kilgore, Marjan Trutschl, Urska Cvek

ACHI 12: Interaction Devices

Session chair: Bruno Fanini

Electronic Health Records and the Challenge to Master the Patients' Pathways. Proposals Around a Comparative Analysis (France / Spain).

José Maria Biedma, Christian Bourret

Resocialization and Metaphor of Social Networks

Tréton Cécile, Bourret Christian

Transparent Electrostatic Actuator with Mesh-structured Electrodes for Driving Tangible Icon in Tabletop Interface

Ryuta Iguchi, Takuya Hosobata, Akio Yamamoto

Interaction with Real Objects and Visual Images on a Flat Panel Display using Three-DOF Transparent Electrostatic Induction Actuators

Norio Yamashita, Kota Amano, Akio Yamamoto

ACHI 13: Human-Computer Interaction in Education

Session chair: Jane Billestrup

Design Practice in Human Computer Interaction Design Education

Alma Leora Culén, Henry N. Mainsah, Sisse Finken

Role of Student Interaction Interface in Web-Based Distance Learning

Marina Mladenova, Diana Kirkova

Experimental Study into the Time Taken to Understand Words when Reading Japanese Sign Language

Mina Terauchi, Keiko Watanabe, Yuji Nagashima

Aurora - Exploring Social Online Learning Tools Through Design

Peter Purgathofer, Naemi Luckner

Continuous Learning Feedback

Christian Grund Sørensen

ACHI 14: User Modeling and User Focus I

Session chair: Peter Pott

Interpreting Psychophysiological States Using Unobtrusive Wearable Sensors in Virtual Reality

Alberto Betella, Daniel Pacheco, Riccardo Zucca, Xerxes D. Arsiwalla, Pedro Omedas, Antonio Lanatà, Daniele Mazzei, Alessandro Tognetti, Alberto Greco, Nicola Carbonaro, Johannes Wagner, Florian Lingenfelser, Elisabeth André, Danilo De Rossi, Paul F.M.J. Verschure

Trace-based Task Tree Generation

Patrick Harms, Steffen Herbold, Jens Grabowski

Modeling User's State During Dialog Turn Using HMM For Multi-modal Spoken Dialog System

Yuya Chiba, Masashi Ito, Akinori Ito

Modeling the Determinants of Medical Information Systems

Majed Alshamari, Mohamed Seliaman

ACHI 15: User Modeling and User Focus II

Session chair: Naemi Luckner

An Embodied Group Entrainment Characters System Based on the Model of Lecturer's Eyeball Movement in Voice Communication

Yoshihiro Sejima, Tomio Watanabe, Mitsuru Jindai, Atsushi Osa, Yukari Zushi

Persona Usage in Software Development: Advantages and Obstacles

Jane Billestrup, Jan Stage, Lene Nielsen, Kira Storgaard Hansen

Effects of Wind Source Configuration of Wind Displays on Property of Wind Direction Perception Width of Wind Velocity Distribution and Accuracy of Wind Source Alignment

Takuya Nakano, Yuya Yoshioka, Yasuyuki Yanagida

Usability Evaluation of Digital Games for Stroke Rehabilitation in Taiwan

Mei-Hsiang Chen, Lan-Ling Huang, Chang-Franw Lee

ACHI 16: Human-Robot Interaction

Session chair: Patrick Harms

BOReSCOPE – Exoskeleton for Active Surgeon Support during Orthopedic Surgery

Peter Pott, Markus Hessinger, Roland Werthschützky, Helmut Schlaak, Eugen Nordheimer, Essameddin Badreddin, Achim Wagner

A Real-Time Architecture for Embodied Conversational Agents: Beyond Turn-Taking

Bahador Nooraei, Charles Rich, Candace Sidner

Communicative Capabilities of Agents for the Collaboration in a Human-Agent Team

Mukesh Barange, Alexandre Kabil,, Camille De Keukelaere, Pierre Chevaillier

ICDS 2014, The Eighth International Conference on Digital Society

ICDS 1: eCommerce and eBusiness

Session chair: Mladen Varga

Sensitivity of Information Disclosed in Amazon Reviews

Federica Fornaciari, Ranganathan Chandraskaren, Venkat Venkatakrishnan

A Secure and Flexible Server-Based Mobile eID and e-Signature Solution

Christof Rath, Simon Roth, Manuel Schallar, Thomas Zefferer

An Infrastructure for Community Signatures and Micro-Agreements

Mitja Vardjan, Jan Porekar

Human-Centered Ontology Engineering in E-Government Environments

Richard Siegl, Bernd Stadlhofer, Peter Salhofer

ICDS 2: eGovernment Services in the Context of Digital Society

Session chair: Christof Rath

Proposal on Operator-Assisted e-Government Systems

Yoshihiro Uda, Kazuhiro Yoshida, Yoshitoshi Murata

Open Government Data: Small Country User's Perspective

Mladen Varga, Katarina Ćurko, Tomislav Vračić

Examining eDemocracy Adoption Intention for Digital Society: An Integrative Model

Omar Al-Hujran, Mutaz M. Al-Debei, Enas Al-Lozi

Open Source Biomedical Engineering for Sustainability in African Healthcare: Combining Academic Excellence with Innovation

Carmelo De Maria, Daniele Mazzei, Arti Ahluwalia

Measuring the Impact of eGovernment Services

Lasse Berntzen

ICDS 3: Digital Accessibility

Session chair: Artem Katasonov

Business Models Analysis for Multiplex Operators in the Process of Digitization

Kemal Huseinovic, Meliha Dulic, Jasmin Musovic

Towards an Interoperability Evaluation Process for Mobile Contactless City Service

Jonathan Ouoba, Serge Chaumette, Damien Dubernet, Erkki Siira, Tuomo Tuikka

Economic View of Internet Freedom Issue

Rasim Alguliev, Farhad Yusifov

Usability Evaluations for Everybody, Everywhere: A field study on Remote Synchronous Testing in Realistic Development Contexts

Fulvio Llizano, Jan Stage

ICDS 4: Networking and Telecommunications

Session chair: Jonathan Ouoba

Characterization of Real Internet Paths by Means of Packet Loss Analysis

Luis Sequeira, Julián Fernández-Navajas, Jose Saldana

Impact of M2M Communications on Cellular Telecommunications Networks

Bruno Cruz, A. Manuel Duarte, Ricardo Ferreira

Trust Blueprints and Use Cases

Deepak Vij, Ishita Majumdar, Naveen Dhar, George Vanecek

Analysis of Power Consumption of H.264/AVC-based Video Sensor Networks through Modeling the Encoding Complexity and Bitrate

Bambang Sarif, Mahsa Pourazad, Panos Nasiopoulos, Victor Leung

A Generalization of the PageRank Algorithm

Zeynab Bahrami Bidoni, Roy George, Khalil Shujaee

ICDS 5: Citizen-centric Technologies and Paradigms

Session chair: Deepak Vij

PROLOG: Evaluating Attentional Capacity in Special Working Centers Kinect technology tasks for cognitive assessment of disabled workers

Anna Vilaro, Pilar Orero

Detection of Persuasion Campaigns on Twitter™ by SAX-VSM Technology

Sergey Malinchik

Estimating the Representativeness of German Parties in the 2013 Bundestag Election

Andranik Tangian

Semantic Integration of Sensor Measurements and Human Self-observations for Physical-Cyber-Social Computing

Artem Katasonov, Jarkko Leino, Timo Tuomisto

ICDS 6: Consumer Oriented Digital Design

Session chair: Eric Holm

Acceptance of Mobile Payment Service Designs in Complex Ecosystems

Elisabeth Pergler, Christian Adelsberger, Daniela Glatz, Rainer Schamberger

Regional Information Platform and Information Distribution System in Telecommunication and Broadcasting Convergence

Tadashi Miyosawa, Hiroo Hirose, Takeshi Tsuchiya, Wataru Kameyama, Keiichi Koyanagi, Hisashi Yamamoto, Hideyasu Karasawa, Hidenaga Karasawa, Kenichi Masuzawa

Impact of Mobility on Spatial Presence during Audio Narrative Reception

Maria T. Soto-Sanfiel

Building Trust in the Cloud Environment: Towards a Consumer Cloud Trust Label

Lisa van der Werff, Theo Lynn, HuanHuan Xiaong, Graham Hunt, John Morrison, Philip Healy, David Corcoran

ICDS 7: Social Networking

Session chair: Daniela Glatz

Social Networking Service for Helping Each Other in the Neighborhoods

Mariana Alejandra Varela, Katsuhiko Ogawa

Social Networking and Identity Theft in the Digital Society

Eric Holm

Detecting New Concepts in Social Media using Co-burst Pattern Mining

Takako Hashimoto, David Shepard, Basabi Chakraborty, Tetsuji Kuboyama

Twitter Bursts: Analysis of their Occurrences and Classifications

Yuhiro Mizunuma, Shuhei Yamamoto, Yutaro Yamaguchi, Atsushi Ikeuchi, Tetsuji Satoh, Satoshi Shimada

ICDS 8: Consumer Oriented Services and Digital Analysis

Session chair: Vrizlynn Thing

Accessibility to Digital Society: Interaction for All

Pilar Orero, Javier Serrano, Olga Soler, Anna Matamala, Judit Castella, Maria Teresa Soto, Anna Vilaro, Carme Mangiron

On the Utilization of Smart Gadgets for Energy Aware Sensitive Behavior

Gerold Hoelzl, Peter Halbmayer, Harald Rogner, Chen Xue, Alois Ferscha

Towards Temporal Saliency Detection: Better Video Understanding for Richer TV Experiences

Joël Dumoulin, Elena Mugellini, Omar Abou Khaled, Marco Bertini, Alberto Del Bimbo

A Dependency Parsing Method Based on the Hierarchical Structure in Japanese Language

Kazuki Ono, Kenji Hatano

ICDS 9: eDefense for Security and Protection

Session chair: Lasse Berntzen

Intrusion Detection Using N-Grams of Object Access Graph Components

Zachary Birnbaum, Andrey Dolgikh, Victor Skormin

Raising Fraud Awareness through Web Forums

Vrizlynn Thing

A New Approach to Improve Accuracy in Information Security Risk Management

Víctor Leonel Orozco López, Raul Ceretta Nunes

GEOProcessing 2014, The Sixth International Conference on Advanced Geographic Information Systems, Applications, and Services

GEOProcessing 1: GIS

Session chair: Yerach Doytscher

Data Collection Architecture for Field Research in Heterogeneous Computational Environments

Henrique Freitas Filho, Maristela Holanda, Henrique Roig, Bernardo Macêdo, Renata Nunes, Paulo Brener

Integrative Analysis of Land-use and Road Network Structure

Hyeyoung Kim, Chulmin Jun

Analysis of Clustering and Unsupervised Learning of Geospatial Demographic Data

Mikhail Kanevski, Jean Golay

Air Pollution Dispersion Mapping by Remote Sensing: Case Study from the Federal District

Erick Kill, Henrique Roig

GEOProcessing 2: Geo-modeling

Session chair: Mikhail Kanevski

Evaluating Principal Components Analysis of Particular Spatial Statistical Models

Mauro Mazzei, Armando Luigi Palma

Conceptual Modeling for Environmental Niches and Potential Geographic Distributions Using UML GeoProfile

Gerardo Zárate, Jugurta Lisboa-Filho, Carlos Sperber

Spatial Visibility Clustering Analysis in Urban Environments Based on Pedestrians' Mobility Datasets

Oren Gal, Yerach Doytscher

A Semantic Analysis of Moving Objects Using as a Case Study Maritime Voyages from Eighteenth and Nineteenth Centuries

Helbert Arenas, Benjamin Harbelot, Christophe Cruz

GEOProcessing 3: Geo-spatial Fundamentals

Session chair: Claus-Peter Rückemann

GIS Based Site Ranking using Neighbourhood Analysis and Comparison

Muhammad Irfan, Aleksandra Koj, Majid Sedighi, Hywel R. Thomas

Conflation in Geoprocessing Framework - Case Studies

Dan Lee, Weiping Yang, Nobbir Ahmed

Pattern Based Feature Matching for Geospatial Data Conflation

Weiping Yang, Dan Lee, Nobbir Ahmed

The Compression Algorithm of Hyperspectral Space Images Using Pre-byte Processing and Intra-bands Correlation

Assiya Sarinova, Alexander Zamyatin, Pedro Cabral

GEOProcessing 4: Specific Geo-data Processing

Session chair: Dan Lee

Knowledge Processing for Geosciences, Volcanology, and Spatial Sciences Employing Universal Classification

Claus-Peter Rückemann

Spatio Temporal Density Mapping of a Dynamic Phenomenon

Stefan Peters, Liqiu Meng

Comparison Between Drainage Network Extracted From Elevation and Surface Models

João R. F. Oliveira, Jussara O. Ortiz, Sergio Rosim

Trading off Accuracy and Computational Efficiency of an Afforestation Site Location Method for Minimizing Sediment Yield in a River Catchment

René Estrella, Pablo Vanegas, Dirk Cattryse, Jos Van Orshoven

Map Simplification a Topology Preserving Approach (POSTER)

Roland Hansson

GEOProcessing 5: Geo-spatial Web Services

Session chair: Francois Anton

Service Cascade as a Means for Pan-European Access to National Geodata Content

Lassi Lehto, Pekka Latvala, Jaakko Kähkönen

Privacy Concerns in Location-based Social Networks

Fatma Alrayes, Alia Abdelmoty

An Evaluation of Semantically Enriched Spatial Data Infrastructure

Hamon Henriques, Fabio Andrade, Cláudio Baptista

Integrating GIS Visualization Tools for Ecosystem Management

Keith Lee, Jennifer Moore Myers, Emrys Treasure, Robert Herring, Steve McNulty, David Stotts

Global Mean Sea Level Change from Satellite Altimetry: Trend and Seasonality Extraction (POSTER)

Mahdi Haddad, Habib Taibi

GEOProcessing 6: Geo-sensing and Geo-spatial Simulation and Visualization

Session chair: Lassi Lehto

Geographical Information Systems Participating into the Pervasive Computing
Nuhcan Akçit, Emrah Tomur, Mahmut Onur Karslıoğlu

Mapping Grasslands Formations and Cultivated Pastures in the Brazilian Cerrado Using Data Mining
Wanderson Santos Costa, Leila Fonseca, Thales Körting

GIS- Interpolated Geotechnical Zonation Maps in Surfers Paradise, Australia
Haider Al-Ani, Erwin Oh, Gary Chai, Bahar Nader Al-Uzairy

Comparative Analysis of Photogrammetric Methods for 3D Models for Museums
Unnur Erla Hafstað Ármannsdóttir, François Anton, Darka Mioc

eKNOW 2014, The Sixth International Conference on Information, Process, and Knowledge Management

eKNOW 1: Decision Support Systems

Session chair: Benjamin Chu

Analyzing the Effectiveness of Investment Strategies through Agent-based Modelling: Overconfident Investment Decision Making and Passive Investment Strategies
Hiroshi Takahashi

Knowledge Representation Support for Substantive Patent Law Precedents
Sigram Schindler

An Intelligent Robotic Engine Using Digital Repository of the DSpace Platform
Rafael Luiz de Macedo, Elvis Fusco

Designing a Situation-aware Movie Recommender System for Smart Devices
Mhd Irvan, Na Chang, Takao Terano

eKNOW 2: Knowledge Semantics Processing and Ontology

Session chair: Stephen White

The Influence of IT Features on M-commerce User Behaviors
Philippe Marchildon, Pierre Hadaya

Semantic Agent of Informational Extraction on Big Data Ontological Context
Caio Coneglian, Elvis Fusco

Malay Semantic Text Processing Engine
Benjamin Chu, Qiang Liu, Rohana Mahmud, Arun Anand, Weng Onn Kow, Dickson Lukose

Semantic-based Multilingual Islamic Finance Thesaurus
Aziza Mamadolimova, Nor Azlinayati Abdul Manaf, Jasbeer Singh Atma Singh, Farouq Hatem Hamad, Nurul Aida Osman, Khalil Ben Mohamed, Dickson Lukose

eKNOW 3: Fundamentals

Session chair: Anna Walek

An Experiment in Managing Language Diversity Across Cultures

Amarsanaa Ganbold, Feroz Farazi, Fausto Giunchiglia

Investigating Factors for E-Knowledge Sharing amongst Academics Staffs

Hanan Alotaibi, Richard Crowder, Gary Wills

A Novel KM Framework for Fostering Creativity and Stimulating Innovation

Amirhossein Roshanzamir, Ahmad Agha Kardan

An Implementation Tool for the Expertise Model using CommonKADS Methodology

Mawloud Titah, Mohamed Djamel Mouss, Samia Aitouche

eKNOW 4: Knowledge Management Systems

Session chair: Amarsanaa Ganbold

A Hybrid Method to Develop a Knowledge Management System

Samia Aitouche, Mohamed Djamel Mouss, Nadia Kinza Mouss, Abdelghafour Kaanit, Youcef Boutarfa, Djamil Rezki

Learner Satisfaction of e-Learning in Workplace Case of Oil Company in Middle East

Muhammed Al-Qahtani, Mansour Al-Qahtani, Hatim Al-Misehal

Toward a Crowdsourcing Platform for Knowledge Base Construction

Kazuhiro Kuwabara, Naoki Ohta

Center for Scientific and Technical Information – Library Services for Business and Science at Wroclaw University of Technology

Anna Walek

eKNOW 5: Information Management

Session chair: Pierre Robillard

Towards Quality Driven Schema Integration Process Tasks

Peter Bellström, Christian Kop

Uncovering File Relationships using Association Mining and Topic Modeling

Namita Dave, Delmar Davis, Karen Potts, Hazeline U. Asuncion

Extracting Representative Words of a Topic Determined by Latent Dirichlet Allocation

Toshiaki Funatsu, Yoichi Tomiura, Emi Ishita, Kosuke Furusawa

Discovery of Precursors of Serious Damage by Disaster Context Library with Cross-field Agents

Taizo Miyachi, Gulbanu Buribayeva, Saiko Iga, Takashi Furuhashi, Tseveenbolor Davaa

eKNOW 6: Knowledge Identification and Discovery

Session chair: Peter Bellström

Coefficient-Based Exact Approach For Frequent Itemset Hiding

Engin Leloğlu, Tolga Ayav, Belgin Ergenç

Types of Knowledge Exchange During Team Interactions: A Software Engineering Study

Pierre N. Robillard, Sébastien Cherry

Integrating Topic, Sentiment and Syntax for Modeling Online Review

Rui Xie, Chunping Li, Qiang Ding, Li Li

The Critical Dimension Problem: No Compromise Feature Selection

Divya Suryakumar, Andrew Sung, Qingzhong Liu

eKNOW 7: Process Analysis and Modeling I

Session chair: Murtuza Ali Lakhani

Application of Business Process Quality Models in Agile Business Process Management

Michael Gebhart, Marco Mevius, Peter Wiedmann

A Study on Innovation Diffusion Understanding with Multi-Agent Simulation

Takao Nomakuchi, Masakazu Takahashi

A Proposed Model Towards Strategic Alignment between Information Technology and Human Resources Management Systems in Saudi Basic Industries Corporat (POSTER)

Mohammed Marghalani, Khaled Alotaibi

eKNOW 8: Process Analysis and Modeling II

Session chair: Peter Wiedmann

MLPM: A Multi-Layered Process Model Toward Complete Descriptions of People's Behaviors

Zhang Zuo, Hung-Hsuan Huang, Kyoji Kawagoe

How can Start-up Business Firms Keep the Motivations of Employees?

Tomomi Kobayashi, Satoshi Takahashi, Masaaki Kunigami, Atsushi Yoshikawa, Takao Terano

A System to Generate Diagrammatic Summary of BPMN Models (PRESENTATION)

Rajesh Kalyanaraman

eLmL 2014, The Sixth International Conference on Mobile, Hybrid, and On-line Learning

eLmL 1: Tools and Platforms I

Session chair: Emily Allbon

An Existential-Humanistic Process Model of Knowledge Creation: Evidence, Limitations, and Potential for Innovation in Virtual Organizations

Michelle Marquard, Murtuza Ali Lakhani

Using an Expert System to Automatically Map the Learning Profile of Individuals

John Yannakoudakis, Irene Yannakoudakis, Helen Yannakoudakis, Giorgos Papadourakis

Development and Assessment of CSCL System for Large Classrooms Using Collaborative Script

Taketoshi Inaba, Kimihiko Ando

Web Annotation System in Collaboration with Moodle

Yoshio Yamagishi

eLmL 2: Tools and Platforms II

Session chair: Michelle Marquand

Peer-to-Peer Communication for Computer-supported Collaborative Learning (The PeCoCC Framework)

Mais Hasan, Jochen Seitz

Creating a Global Classroom Using a 3D Technology to Enhance Language Development

Kevin Oh, Natalie Nussli

Web, Social Media and Online Communities for those Studying for Professions: Embraced or Tolerated?

Emily Allbon

Improving e-Learning Environments for Pen and Multi-touch Based Interaction: A Study Case on Blog Tools and Mobile Devices

Andre da Silva, Heloísa da Rocha

eLmL 3: On-line Learning

Session chair: Kimberley Lamarche

Quixotic Potentialities of Information Communication Technology in the Running of Polytechnic Distance Education Programs in Nigeria

Ezeja Ogili

On Benefits of Interactive Online Learning in Higher Distance Education - Case Study in the Context of Programming Education

Winfried Hering, Helga Huppertz, Bernd Krämer, Silvia Schreier, Johannes Magenheimer, Jonas Neugebauer

Mitigating the STEM Crisis through Enhanced Online Learning

Cynthia Lester

Faculty Perceptions of "The Project": An Advanced Faculty Professional Development for Online Course Building

Joe Terantino, Vanessa Slinger-Friedman, Griselda Thomas, Chris Randall, Phillip Aust, Tamara Powell

eLmL 4: Mobile Learning

Session chair: Cynthia Lester

Training Oriented Mobile Device to Learn Software Architecture

Sanae Mostadi, Fabrice Mourlin

The Normalization of Mobile Devices in Clinical Nursing Education and in Clinical Practice

Kimberley Lamarche, Caroline Park, Mariann Rich, Shawn Fraser

Training Science Teachers to Design Inquiry-Based Lesson Plans through a Serious Game

Petros Lamas, Panagiotis Petridis, Kate Torrens, Ian Dunwell, Maurice Hendrix, Sylvester Arnab

A Streamlined Mobile User-Interface for Improved Access to LMS Services

Grace Ssekakubo, Hussein Suleman, Gary Marsden

Mobile Learning and Distance and E-Learning (POSTER)

Khalil Ebrahim Al-Saadat

eLmL 5: Learning-oriented Technologies

Session chair: Stephen White

Analysis of Blended Classes on Operations Research Focusing on Practice

Isao Miyaji

Practice and Effects of Programming Education in Blended Quiz Production

Junko Shinkai, Yoshikazu Hayase, Isao Miyaji

Video-Based Learning: A Critical Analysis of The Research Published in 2003-2013 and Future Visions

Ahmed Mohamed Fahmy Yousef, Mohamed Amine Chatti, Ulrik Schroeder

eTELEMED 2014, The Sixth International Conference on eHealth, Telemedicine, and Social Medicine

eTELEMED 1: eHealth Systems and Communications I

Session chair: Conceição Granja

Wearable Recognition System for Sports Activities

Ali Mehmood Khan, Michael Lawo

Towards Unified Tooling for Easing the Qualification of Medical Normed Environments

Anthony Gelibert, Sébastien Jean, Denis Genon-Catalot, Gérard Santailler, Ioannis Parissis

Emergency Web App for Accessing the Medical Emergency Services

Beatriz Gómez, Carlos Juiz

A Quantitative Survey About the Interest of Digital Natives in Second Opinion and Quality/Trust in Online Health Information

René Baranyi, Dennis Matthias Binder, Nadja Lederer, Thomas Grechenig

eTELEMED 2: Telemedicine/eHealth Services I

Session chair: Anthony Gelibert

Field Testing of Remote Teledentistry Technology

Rodrigo Mariño, Parul Marwaha, Richard Collmann, Matthew Hopcraft, David Manton, Michael McCullough, Andrew Stranieri, Ken Clarke, Elizabeth Ozanne, Irene Blackberry

Organising Videoconferencing for Collaborative Medical Diagnosis: Pre-Planned and Acute Practice
Line Lundvoll Warth

Effects of Telemonitoring on Heart Failure Patients' Quality of Life and Depression Scores: a Randomised Controlled Trial

Josiane J.J. Boyne, Anton P.M. Gorgels, Marieke Spreeuwenberg, Hubertus J.M. Vrijhoef

Play for Health 2.0: Evolving P4H to a Web Environment Using HTML5 and JavaScript

Pedro Ferriol Monserrat, Francisco Tous Llull, Miguel Ángel Alcalde Velado, Marc Melià Aguiló, Jaume Sastre Terrassa, Maria Àngels Farreny Balcells, Eva Ponce Martínez, Begoña Llano de la Peña, Ramón Mas Sansó

eTELEMED 3: eHealth Technology and Devices

Session chair: Sergio Bella

The Eve of 3D Printing in Telemedicine: State of the Art and Future Challenges

Piero Giacomelli, Asa Smedberg

Digital WHO Hemoglobin Color Scale: Analysis and Performance

Rajendra Kumar M., Hemant Misra, Sujit Hiwale, Manjunath Ramachandra

Remote Camera-based Pulse Oximetry

Ubiratan S. Freitas

Two digital Video-Otoscopes suitable for Tele-Otoscopy Comparing on Quality, Patient Satisfaction and Ease of Use for the General Practitioner (PRESENTATION)

Arda van Breda, J. P. van der Heijden

eTELEMED 4: Telemedicine/eHealth Services II

Session chair: Hemant Misra

Telememomonitoring in Cystic Fibrosis: Treatment's Adherence and Economical Evaluation in a Period of Three Years

Sergio Bella, Fabrizio Murgia, Irene Tagliente, Paola Romano, Benedetta Corona, Elisabetta Renzetti, Mirella Cilli

Implementing Transnational Telemedicine Solutions

Leila Eadie, David Heaney, Lee Dowie, Liam Glynn, Monica Casey, Patrick Hayes, Matti Matero, Undine Knarvik, Soo Hun, Käte Alrutz

Videoconferencing Solution: Through Innovation Extension to Attain and Support Pre-Alzheimer Patients in Their Daily Activities

Zamikhaya Mapundu, Potjie Van Der walt, Thierry Simonnet, Solly Phatle Maswikaneng

Ontology- and Model-Based Quality Indicators Designing Framework

Osamu Takaki, Izumi Takeuti, Noriaki Izumi

eTELEMED 5: Telemedicine/eHealth Applications I

Session chair: Sandra Bringay

Towards Patient-Centered Telemedicine

Juha Puustjärvi, Leena Puustjärvi

Prescient Profiling – AI driven Volunteer Selection within a Volunteer Notification System

Jesko Elsner, Philipp Meisen, Daniel Ewert, Daniel Schilberg, Sabina Jeschke

A Health Virtual Community Model: A Bottom Up Approach

Christo El Morr, Shadi Saleh, Walid Ammar, Nabil Natafqi, Karen Kazandjian

Experiences of the Elderly, their Relatives, and Volunteers of a Social Media Application in Monitoring of Wellbeing

Ismo Alakärppä, Elisa Jaakkola, Kirsi Päykkönen, Jaana Vääntänen

eTELEMED 6: eHealth Data Records

Session chair: Juha Puustjärvi

Protecting the Privacy with Human-Readable Pseudonyms: One-Way Pseudonym Calculation on Base of Primitive Roots

Uwe Roth

If They Designed It, Why Don't They Want It: The Lack of Acceptance of an ehealth Data Records System

Anthony Glascock

Security Analysis and Performance Evaluation of the Linkable Access Protocol of the Electronic Patient Records

Rima Addas, Ning Zhang

An Ontology-Driven Information Model for Interoperability of Personal and Electronic Health Records

Panagiotis Plastiras, Dymna O'Sullivan, Peter Weller

CathMaps+ A Mobile App for Cardiac Patients, Providing GPS Locations of Cath Labs Globally and Simple Storage of Medical History (POSTER)

Danny Oberman

eTELEMED 7: eHealth Information Processing

Session chair: Uwe Roth

Medical Images Enhancement with Pseudo-HDR Method

Vesselin Gueorguiev, Ivan Ivanov, Desislava Georgieva

Patient's Rationale: Patient Knowledge Retrieval From Health Forums

Soumia Melzi, Amine Abdaoui, Jérôme Azé, Sandra Bringay, Pascal Poncelet, Florence Galtier

Context-Oriented Data Processing for Homecare Application

Mirvat Makssoud

User-Centered and Persuasive Design of a Web-Based Registration and Monitoring System for Healthcare-Associated Infections in Nursing Homes

Nienke de Jong, Andrea Eikelenboom-Boskamp, Andreas Voss, Lisette van Gemert-Pijnen

eTELEMED 8: Classical Medicine and eHealth Integration

Session chair: Andrius Budrionis

Fuzzified Clustering and Point Set Continuous Approximation in Prognosticating Gastric Cancer Surgery

Elisabeth Rakus-Andersson, Hang Zettervall

Reduced Elective Surgery Cancellations Through Patient Involvement In Pre-Operative Planning In Norway

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

The Uptake and Impact of a Personal Health Record for Patients with Type 2 Diabetes Mellitus in Primary Care: A Research Protocol for a Backward and Forward Evaluation

Floor Sieverink, Saskia Kelders, Louise Braakman-Jansen, Julia Van Gemert-Pijnen

Antibiotic Information App for Nurses

Jobke Wentzel, Julia van Gemert-Pijnen

eTELEMED 9: eHealth Systems and Communications II

Session chair: Elisabeth Rakus-Andersson

Interruption Management for Hospital Communications Systems

Bernd Talsma, Terje Solvoll, Gunnar Hartvigsen

Nursing Professionals' Roles in Terms of Communication with Patients Using Electronic Devices

Marita Koivunen, Anne Niemi, Maija Hupli

Intravenous Drip Infusion Monitoring System with Body Area Communication Tag
Yoshitoshi Murata, Kazuhiro Yoshida

Are Mobile Devices Ready for Telementoring? A Protocol Design for Randomized Controlled Trials
Andrius Budrionis, Gunnar Hartvigsen, Johan Gustav Bellika

eTELEMED 10: Personalized eHealth

Session chair: Cristina Adriana Alexandru

Can Assessment of Health on an ICT-platform Improve Optimal Functionality and Lead to Participatory Care Among Older Adults?

Samal Algilani, Ann Langius-Eklöf, Annica Kihlgren, Karin Blomberg

Lifestyle Log Based Blood Glucose Level Prediction for Outpatient Care

Istvan Szabo, Peter Gyuk, Istvan Vassanyi

Let us Get Real! An Integrated Approach for Virtual Coaching and Real-time Activity Monitoring in Lifestyle Change Support Systems

Olga Kulyk, Riëks op den Akker, Randy Klaassen, Lisette van Gemert-Pijnen

eHM- A First Step to Personalized Cardiology. Telecardiology- Optimization of Arrhythmia Diagnostics and Treatment (POSTER)

Radoslaw Sierpinski, Jakub Siudyka, Pawel Wilski, Lukasz Szumowski

Development and Test of an Interactive Mobile Phone Application for Patients with Pancreatic Cancer (POSTER)

Tina Gustavell, Catharina Frank, Kay Sundberg, Yvonne Wengström, Maria Browall, Ralf Segersvärd, Ann Langius-Eklöf

eTELEMED 11: Challenges of eHealth Systems

Session chair: Olga Kulyk

Critical Success Factors for Inter-Organizational Process Collaboration in eHealth

Niels Frederik Garmann-Johnsen, Tom Roar Eikebrokk

Does Telecare have an Economic Effect when Used by Patients with Chronic Diseases in the Long Run?

Masatsugu Tsuji, Yuji Akematsu

Using Models and Simulation for Predicting Efficiency as a Measure of Success of Different Telemedicine Deployments

Cristina Adriana Alexandru

Security Challenges and Solutions for Telemedicine over EPON

Ying Yan, Lars Dittmann

eTELEMED 12: Telemedicine/eHealth Applications II

Session chair: Anne Granstrom Ekeland

Expectations of Middle-aged and Elderly Persons Towards Using Telecare Technologies and eHealth Applications in Primary Care

Martine Huygens, Joan Vermeulen, Luc de Witte

Real-world Gyroscope-based Gait Event Detection and Gait Feature Extraction

Paolo Fraccaro, Lorcan Walsh, Julie Doyle, Dymphna O'Sullivan

Developing a Supportive Tool to Facilitate Shared Decision Making in Dementia Involvement of end users in the design phase

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

Determinants of Acceptance of an Online Self-Management Tool for COPD Patients: Integrating Patient Characteristics into the Technology Acceptance Model 2 (PRESENTATION)

L. Thijssing, J.P. van der Heijden, L. Witkamp, N.H. Chavannes, Christian F. Melissant, M.W.M. Jaspers

Bench Test Validation of a Telemonitoring Device for CPAP Treatment (POSTER)

Ubiratan Freitas, Jérôme Desseaux, Olivier Thuillart, Ludivine Leseux, Jean-Louis Fraysse

eTELEMED 13: Social and Financial Aspects I

Session chair: Åsa Smedberg

Preliminary Cost-Benefit Analysis of a Real-Time Telemedicine System

Francesca Frexia, Riccardo Triunfo, Francesco Cabras, Cecilia Mascia, Gianluigi Zanetti, Sabrina Montis, Roberto Tumbarello

The Assessment of Differences in Acceptance of e-Health Applications Between Physicians and Patients with Chronic Diseases

Mariusz Duplaga

Open Source Home Care Technology, Technical Design and Development, User Research, Cost-Benefit Analysis, and Business Modeling

Marike Hettinga, Elles Gyaltsen-Lohuis, Ander de Keijzer, Jan M. Nauta, Rens Balkenende, Niels Donninger, Guido van Alphen

Approaching 2014: Is Telemedicine Assessed from The Social Perspective? A Brief 2013 Systematic Review

Francesco Fusco, Leopoldo Trieste, Giuseppe Turchetti

eTELEMED 14: Social and Financial Aspects II

Session chair: Marike Hettinga

The Future of e-Health

Isabel Pirillo, Giovanna Ricci, Francesco Amenta

Economic Impact of Remote Specialist Consultations Using Videoconferencing: an Economic Model
Based on Data From Randomised Controlled Trials

Trine S Bergmo

An eHealth Innovation Map for Small and Medium-sized Enterprises

*Ruud Janssen, Marike Hettinga, Sikke Visser, Robbert Menko, Hilco Prins, Irene Krediet, Timber Haaker,
Lianne Bodestaff*

Assembling Goal Attainment and Collaboration - Videoconference in Clinical Practice

Anne Granstrøm Ekeland