

Tuesday 29th of May 2018

Keynote 1:

DESIGNING BUSINESS TOOLS FOR THE FUTURE - THE CONTRIBUTION OF
IS

Prof. Yves Pigneur, University of Lausanne

Session 1: RCIS/INFORSID Common Session

How are combined expertise elements in Early-Warning Systems?
Observations and propositions from the French system
Maude Arru, Elsa Negre and Camille Rosenthal-Sabroux

Supporting experimental methods in Information System research
Nadine Mandran and Sophie Dupuy-Chessa

A User-centered Approach for Integrating Social Actors into Communities
of Interest

Nadia Chouchani and Mourad Abed

Session 2 - Security and Identity

Security Analysis and Psychological Study of Authentication Methods with
PIN Codes

Xavier Bultel, Jannik Dreier, Pascal Lafourcade, Marie Izaute, Matthieu
Giraud, Dounia Lakhzoum, Ladislav Motak, Timothée Kheyrkhah and
Vincent Marlin

Blockchain-Enabled Self-Sovereign Identity
Marvin van Wingerde and Joost de Kruijff

Semantic Integration of Security Knowledge Sources
Ana-Maria Ghiran and Robert Andrei Buchmann

**Session 3 - Social computing and social network analysis
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Influence in Time-Dependent Citation Networks
Monika Rakoczy, Amel Bouzeghoub, Alda Gancarski and Katarzyna
Wegrzyn-Wolska

Empowering Responsible Online Gambling by Real-time Persuasive
Information Systems

George Drosatos, Fotis Nalbadis, Emily Arden-Close, Victoria Baines, Elvira Bolat, Laura Vuillier, Theodoros Kostoulas, Sonia Wasowska, Maris Bonello, Jane Palles, John McAlaney, Keith Phalp and Raian Ali

DFBICA: A New Distributed Approach For Sentiment Analysis of
Bibliographic Citations

Mariem Elabdi, Boutheina Smine and Sadok Benyahia

Tutorial 1:

Web Surveys: Concepts and Tools

Michel Plaisent, Prosper Bernard and Charicris Pandanon

Session 4: Information Search and Discovery

Fast SPARQL Join Processing between Distributed Streams and Stored RDF
Graphs Using Bloom Filters

Amadou Fall Dia, Zakia Kazi Aoul, Aliou Boly and Elisabeth Métais

Modeling Metadata of CCTV Systems and Indoor Location Sensors for
Automatic Filtering of Relevant Video Content

Franck Jeveme Panta, Geoffrey Roman Jimenez and Florence Sedes

Towards Automatic Translation of Social Network Policies into Controlled
Natural Language

Irfan Khan Tanoli, Marinella Petrocchi and Rocco De Nicola

Session 5 - Social computing and social network analysis 2

Social media comparison and analysis: The best data source for research?
Neli Blagus and Slavko Žitnik

A Novel Approach for Terrorist Sub-Communities Detection Based On
Constrained Evidential Clustering

Firas Saidi, Zouheir Trabelsi and Henda Ben Ghezala

An Assessment of Privacy Preservation in Crowdsourcing Approaches:
Towards GDPR Compliance

Vasiliki Diamantopoulou, Aggeliki Androutsopoulou, Stefanos Gritzalis and
Yannis Charalabidis

Wednesday 30th of May 2018

Keynote 2:

Leveraging Big Data and Analytics For Creating a Smarter and Better World

Prof. Sudha Ram, Eller College of Management, University of Arizona

Session 6 - Requirements Engineering

Reasoning Methods for ME-Maps -- A CSP based Approach
Azzam Maraee and Arnon Sturm

10 Challenges for the Specification of Self-Adaptive Software
Juan C. Muñoz-Fernández, Raul Mazo, Camille Salinesi and Gabriel Tamura

A concern-oriented sustainability approach
Isabel Sofia Sousa Brito, Jose Maria Conejero, Ana Moreira and Joao Araujo

Session 7 - Data and Knowledge Management

From Big Data to Smart Data: A Genomic Information Systems Perspective
Ana León and Óscar Pastor López

Using Probabilistic Relational Models to Generate Synthetic Spatial or Non-spatial Databases
Rajani Chulyadyo and Philippe Leray

ETL-aware Materialized View Selection in Semantic Data Stream Warehouses
Nabila Berkani, Ladjel Bellatreche and Carlos Ordonez

Doctoral Consortium 1

Lip Movements Recognition – Towards An Automatic LipReading System for Myanmar Consonants
Thein Thein

Knowledge Management Infrastructure and Processes on Effectiveness of Nursing Care
Olateju Jumoke

A Multi-Criteria Decision Making Approach for Recommending a Product Using Sentiment Analysis
Gaurav Kumar

Session 8 - Product Lines

APPLIES: a framework for evaluating organization's motivation and
Preparation for adopting product Lines

Luisa Rincon, Raul Mazo and Camille Salinesi

Clone-and-Own Software Product Derivation Based on Developer
Preferences and Cost Estimation

Eddy Ghabach, Mireille Blay-Fornarino, Franjeh El Khoury and Badih Baz

Tutorial 2:

Explaining Modern Industrial Information Systems Architecture Using
Lego™ Bricks

Jean-Philippe Gouigoux

Session 9 - Smart Cities and IoT

Modeling in Support of Multi-Perspective Valuation of Smart Grid Initiatives

Monika Kaczmarek-Heß, Sybren De Kinderen, Qin Ma and Iván S. Razo-
Zapata

Requirements for Smart Cities: Results from a Systematic Review of
Literature

Maya Daneva and Boyan Lazarov

How to Agentify the Internet-of-Things?

Zakaria Maamar, Noura Faci, Khouloud Boukadi, Emir Ugljanin and
Mohamed Sellami

Session 10 - Business process

Towards a Method to Generate GUI Prototypes from BPMN
Eduardo Diaz, José Ignacio Panach, Silvia Rueda and Oscar Pastor

ProDiGy : Human-in-the-loop Process Discovery
P.M. Dixit, J.C.A.M. Buijs and W.M.P. van der Aalst

Process Mining in Logistics: The need for rule-based data abstraction

Ruud van Cruchten and Hans Weigand

Session 11 - Recommendation and Prediction

Situation Assessment for Non-Intrusive Recommendation
Imen Akermi and Rim Faiz

A multiple criteria evaluation technique for missing values imputation.
Leila Ben Othman and Sadok Ben Yahia

Machine Learning with Internet of Things Data for Risk Prediction:
Application in ESDR
Zeineb Fki, Boudour Ammar and Mounir Ben Ayed

Doctoral Consortium 2

Context-Aware Resource Management in Pervasive Information Systems
David Beserra

Traffic Sign Recognition System Using Feature Points
Kaythinzar Phu

An Approach to Data Valuation Considering Data, Information, Knowledge
and Wisdom
Suthamathy Sathananthan

Thursday 31st of May 2018

Keynote 3:

Business Ecosystem in 2025
Guillaume Tardiveau, Orange Labs Research

Session 12 - Human-Computer Interaction

Using user emotions to trigger UI adaptation
Julián Andrés Galindo, Sophie Dupuy-Chessa, Nadine Mandran and Eric Ceret

Towards a Catalog of Conflicts for HCI Quality Characteristics in UbiComp and IoT Applications: Process and First Results
Rainara Carvalho, Rossana Andrade and Kathia Oliveira

Tutorial 3:

Using Crowdsourced Data for Empirical Research in Information Systems: What it is and How to do it Safe?
Maya Daneva

Session 13 - Systems Engineering

Model-driven Development of OData Services: an Application to Relational Databases
Hamza Ed-Douibi, Javier Luis Canovas Izquierdo and Jordi Cabot

Formalizing Compound MAPE patterns for Decentralized Control in Self-adaptive Systems
Marwa Hachicha, Riadh Ben Halima and Ahmed Hadj Kacem

Where Enterprise Architecture Development Fails: A multiple case study of governmental organizations
Negin Banaeianjahromi

Session 14 - Conceptual Modelling and Ontologies

Breaking into Ontological Pieces
Guylerme Figueiredo, Amelie Duchardt, Maria Hedblom and Giancarlo Guizzardi

Systematic Analysis and Evaluation of Visual Conceptual Modeling Language Notations
Dominik Bork, Dimitris Karagiannis and Benedikt Pittl

Towards a Framework of Techniques for Enabling Semantics-Driven
Secondary Notation in Conceptual Models
Ana-Maria Ghiran, Robert Andrei Buchmann and Dimitris Karagiannis