

IEEE CBI 2016 Program

Monday, August 29, 2016 - Room Gaston Planté	
09:00-09:30	CONFERENCE OPENING
09:30-10:15	BUSINESS DATA ENG. KEY-NOTE: N. Prat & J. Parsons
Session	Business Data Engineering
10:15-10:35	Colin Conrad, Naureen Ali, Qigang Gao and Vlado Keselj, ELM: An Extended Logic Matching Method on Record Linkage Analysis of Disparate Databases for Market Prospecting Data Mining
10:35-10:55	Colin Conrad and Vlado Keselj, Predicting Political Affiliations and Donations Using Hashtags and Character N-Grams (sp)
10:55-11:15	Break
11:15-12:00	SERIOUS GAMES KEY-NOTE: I. Boughzala & K. Monu
Session	Business Process Management (1)
12:00-12:20	Alexander Motzek, Christina Geick and Ralf Möller, Semantic Normalization and Matching of Business Dependency Models
12:20-12:40	Steven Alter, System Interaction Patterns
12:40-14:00	Lunch
14:00-14:45	BPM KEY-NOTE: P. Soffer & P. Fettke
Session	Business Process Management (2)
14:45-15:05	Andreas Sonntag and Peter Fettke, Efficiency Of Generated Performer Networks In Collaborative Business Process Models
15:05-15:25	Johannes Tenschert, Georg Michelson and Richard Lenz, Towards Speech-Act-Based Compliance
15:25-15:45	Alexei Lapouchnian and Eric Yu, Exploiting Context Sensing in the Goal-Driven Design of Business Processes
15:45-16:00	Break
Session	Business Process Management (3)
16:00-16:30	Ellis Solaiman, Ioannis Sfyraakis and Carlos Molina-Jimenez, AStateAwareModelandArchitecturefortheMonitoringandEnforcementof ElectronicContracts
16:30-17:00	Wafa Triaa, Lilia Gzara and Herve Verjus, Organizational agility key factors for dynamic business process management
17:00-17:20	Christina Stratigaki, Mara Nikolaidou, Pericles Loucopoulos and Dimosthenis Anagnostopoulos, Business Process Elicitation from Regulatory Compliance Documents: An e-government Case Study (sp)

Monday, August 29, 2016 - Room 31.2.85	
	Mini-Dagstuhl Seminar: Foundational Aspects of Conceptual Modelling (1)
09:30-09:45	Welcome
09:45-11:15	Introductory Presentations (1)
11:15-11:30	Break
11:30-12:30	Introductory Presentations (2)
12:30-13:30	Lunch
	Mini-Dagstuhl Seminar: Foundational Aspects of Conceptual Modelling (2)
13:30-14:00	Introductory Presentations (3)
14:00-15:00	Focused Discussions (1)
15:00-15:30	Break
15:30-17:00	Focused Discussions (2)
17:00-17:15	End of Workshop
18:00-22:00	Visit of Museum and Welcome Reception

Tuesday, August 30, 2016 - Room Gaston Planté	
09:00-09:45	METHOD ENGINEERING: J. Akoka & Ling T.W.
Session	Modelling in Business Informatics (1)
09:45-10:05	Monika Kaczmarek and Sybren de Kinderen, A Conceptualization of IT Platform for the Needs of Enterprise IT Landscape Modeling
10:05-10:25	Jeannette Stark and Richard Braun, Perceptually discriminating Chunks in Business Process Models
10:25-10:45	Heli Hiisilä, Marjo Kauppinen and Sari Kujala, An Iterative Process to Connect Business and IT Development - Lessons Learned
10:45-11:00	Break
Session	Modelling in Business Informatics (2)
11:00-11:20	Alexandra Mazak, Manuel Wimmer and Emanuel Maetzler, Towards Liquid Models: an Evolutionary Modeling Approach
11:20-11:40	Johannes Hintsch, Frederik Kramer, Hendrik Müller and Klaus Turowski, Software as a Service Production: An Operationalizable Domain Model (sp)
12:00-13:45	Lunch
13:45-14:30	BUSINESS MODELS and SERVICE INNOVATION KEY-NOTE: H. Mayr & H. Bowmann
Session	Business Models and Service Innovation (1)
14:30-14:50	Asif Gill, Eng Chew, David Krickler and Geoff Bird, Adaptive Enterprise Resilience Management
14:50-15:10	Björn Schmitz, Franziska Düffort and Gerhard Satzger, Managing Uncertainty in Industrial Full Service Contracts - Digital Support for Design and Delivery
15:10-15:30	Ronny Schüritz and Gerhard Satzger, Patterns of Data-Infused Business Model Innovation
15:30-16:00	Break
Session	Business Models and Service Innovation (2)
16:00-16:20	Sebastian Bräuer, Markus Monhof, Benjamin Klör, Daniel Beverungen, Florian Plenter and Christian Siemen, Residential Energy Storage from Repurposed Electric Vehicle Batteries – Market Overview and Development of a Service-Centered Business Model
16:20-16:40	Yannis Stamatiou, Panagiotis Nastou and Artemis Avgerou, Innovative Applications and Services Based on Privacy Enhanced Distributed Computations on IoT Devices (sp)

Tuesday, August 30, 2016 - Room 31.2.85	
	International Workshop COBI (1)
09:45-10:45	Key-note: Janis Stirna, "Developing the CDD Methodology – Lessons Learnt and Lessons Missed".
10:45-11:00	Break
	International Workshop COBI (2)
11:00-11:45	Industrial track: Capability-driven development in practice - Hvroje Simic, CROZ (Croatia) - Christina Stratigaki, CLMS (United Kingdom) - Tania Gonzales and Marcela Ruiz, Everis and Universitat Politècnica de València (Spain)
11:45-12:00	Discussion panel about future developments

Tuesday, August 30, 2016 - Room 31.2.87	
13:45-14:30	DOCTORAL CONSORTIUM OPENING / SAP UA
14:30-15:30	DC (1): Jana-Rebecca Rehse, Reference Model Mining – Concepts, Methods, Applications
15:30-16:00	Break
16:00-17:00	DC (2): Arne Bergmann, Design and Evaluation of a Modelling Method for Supporting Strategy Making and Implementation Processes in Organisations

Wednesday, August 31, 2016 - Room Gaston Planté

09:00-09:45	BUSINESS ANALYTICS KEY-NOTE: E. Damiani & A. Maedche
Session	Business Analytics (1)
09:45-10:05	Ünal Aksu, Dennis Schunselaar and Hajo Reijers, A Cross-Organizational Process Mining Framework for Obtaining Insights from Software Products: Accurate Comparison Challenges
10:05-10:25	Sascha Bosse, Naoum Jamous, Frederik Kramer and Klaus Turowski, Introducing Greenhouse Emissions in Cost Optimization of Fault-Tolerant Data Center Design
10:25-10:45	Shabana K M, A Multi-View Non-Parametric Clustering approach to Mobile Subscriber Segmentation
10:45-11:00	Break
Session	Business Analytics (2)
11:00-11:20	Moritz von Hoffen, Towards an Information System for Evidence-based Analysis of Charging Behavior and Battery Degradation of Electricm Vehicles
11:20-11:40	Marco Pospiech and Carsten Felden, Instance Selection by Identifying Relevant Events Using Domain Knowledge and Minimal Human Involvement
11:40-12:00	Lena Eckstein, Niklas Kuehl and Gerhard Satzger, Towards Extracting Customer Needs from Incident Tickets in IT Services
12:00-12:20	Tobias Hildebrandt, Felix Amerbauer and Stefanie Rinderle-Ma, Combining sonification and visualization for the analysis of process execution data (sp)
12:20-13:45	Lunch
13:45-14:30	MODELING in BUSINESS INFORMATICS ROUND TABLE: S. Leist, U. Frank et al.
Session	Business Systems Engineering
14:30-14:50	Peter De Bruyn, Philip Huysmans and Herwig Mannaert, Tailoring an analysis approach for developing evolvable software systems: experiences from three case studies
14:50-15:10	Diogo R. Ferreira and Pedro Simões, A Rule-based Approach to the Implementation of Business Processes in Normalized Systems
15:10-15:30	Michael Owonibi, Eleonora Petzold and Birgitta Koenig-Ries, Conceptual Model for a Generic Resource Booking Management System (sp)
15:30-16:00	Break
Session	Business Infromatics and Serious Games
16:00-16:20	Stefan Strecker and Kristina Rosenthal, Process Modelling as Serious Game: Design of a Role-Playing Game for a Corporate Training
16:20-16:40	Danny Oldenhave, Theo van der Weide, Stijn Hoppenbrouwers and Jos Sauren, Using Game Psychology in Information System Design for Sustainable Behavior Changes
16:40-17:00	Oifa Chourabi, Daniel Lang and Imed Boughzala, Learning Business Process Management through Serious Games: Feedbacks on the usage of INNOV8

Wednesday, August 31, 2016 - Room 31.2.85	
09:45-10:45	Industry track (1)
09:45-10:00	Opening Session
10:00-10:20	Christina Stratigaki, Pericles Loucopoulos, Antonis Migiakis and Yannis Zоргios, Combining Model-driven and Capability-driven Developments: A Case Study of Industrial Symbiosis
10:20-10:40	Thomas Koehler, Steven Alter, Using Enterprise Architecture to Attain Full Benefits from Corporate Big Data while Refurbishing Legacy Work Systems
	Break
11:00-12:30	Industry track (2)
11:00-11:20	Dmitry Kudryavtsev, Maxim Arzumanyan, Operations architecture modeling for IT-driven organizational development of a construction company
11:20-11:40	Khalil El Idrissi, Alain Wegmann, The Business Object as Tool to Federate a Large Corporation
11:40-12:00	Ralf Gitzel, Data Quality in Time Series Data: An Experience Report
12:00-12:20	Olivier Hayard, A Potted History of a Requirements Management Training Course
12:20-12:30	Closing session
12:40-14:00	Lunch
	International Workshop on Web 3.0 and Smart Commerce (1)
14:30-15:00	Invited talk
15:00-15:30	Olga Tsukanova, Andrey V. Dmitriev and Svetlana Maltseva, Network Evolution Modeling under Conditions of Change in the Data Exchange Rate
15:30-16:00	Break
	International Workshop on Web 3.0 and Smart Commerce (2)
16:00-16:30	Mikhail Komarov and Kirill Knyazev, Infological models for smart commerce
16:30-17:00	Dmitry Nazarov, Fuzzy Model for Working Capital Speed Control as a Service of Big Data Analytics Systems

Wednesday, August 31, 2016 - Room 31.2.87	
09:45-10:45	DC (3): Mahda Garmaki, Big Data Analytics Capability Impact on Firm Financial & Market Performance: Modelling the Mediating Effects of Operational Performance
	Break
11:00-12:00	DC (4): Alexander Bock, Conceptual Models and Reflective Decision Making

20:00-00:00	Gala Dinner Cruise on the Seine River
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Thursday, September 1st, 2016 - Room Gaston Planté	
09:00-09:45	BUSINESS SYSTEMS ENGINEERING KEY-NOTE: J. Verelst & S. Alter
Session	Enterprise Engineering / Enterprise Architecture (1)
09:45-10:05	Sabine Khalil, Valérie Fernandez and Valerie Fautrero, Impact of Cloud on IT governance
10:05-10:25	Felix Burgstaller, Dieter Steiner and Michael Schrefl, Modeling Context for Business Rule Management
10:25-10:45	Janne J. Korhonen, James Lapalme, Doug McDavid and Asif Gill, Enterprise Architecture for the Future: Towards a Reconceptualization of EA
10:45-11:00	Break
11:00-11:45	SEMANTIC WEB and ENTERPRISE SYSTEMS KEY-NOTE: R. Penalzoa & R. Moeller
	Transformation & Engineering of Enterprises
11:45-12:05	Mouaad Hafsi and Said Assar, What Enterprise Architecture can bring for Digital Transformation? An exploratory study
12:05-12:25	Martin van den Berg and Hans van Vliet, Enterprise Architects Should Play Different Roles
12:25-12:45	Michiel Borgers and Frank Harmsen, Case report of identifying and measuring IT architecture principles in the Dutch government organization DTA
12:45-14:00	Lunch
Session	Enterprise Engineering / Enterprise Architecture (2)
14:00-14:20	Pouya Aleatrati Khosroshahi, Jannis Beese and Stephan Aier, What Drives Application Portfolio Complexity? An Empirical Analysis of Application Portfolio Cost Drivers at a Global Automotive Company
14:20-14:40	Dennis Schunselaar, Jens Gulden, Henk van der Schuur and Hajo A. Reijers, A Systematic Evaluation of Enterprise Modelling Approaches on Their Applicability to Automatically Generate Software
14:40-15:00	Iván S. Razo-Zapata, Mihail Mihaylov and Erik Proper, Exploring the Application of Multilayer Networks in Enterprise Architecture: A Case Study in the Smart Grid
15:00-16:00	CONFERENCE CLOSING EVENT: Announcement of Best Paper Awards - Recognition to all Key-Note Speakers

Thursday, September 1st, 2016 - Room 31.2.85	
	Workshop ISA'Health (1)
09:45-10:15	Ana Ribeiro, Filipe Portela, Manuel Filipe Santos, António Abelha, José Machado and Fernando Rua Martins, Patients' Admissions in Intensive Care Units - A clustering overview
10:15-10:45	António Silva, Filipe Portela, Manuel Filipe Santos, José Machado and António Abelha, Towards of automatically detecting Brain Death patterns through Text Mining
10:45-11:00	Break
	Workshop ISA'Health (2)
11:45-12:15	Andréa Domingues, Henrique Vicente, João Neves, Victor Alves and José Neves, Looking at Chest Breadths to Predict Organisms Age - A Case Based View
12:15-12:45	Maria Tsimplakidou, Markos Tsipouras, Nikolaos Giannakeas, Pinelopi Manousou and Alexandros Tzallas, Automated hepatic steatosis assesment through liver biopsy image processing