

Advance Technical Program

				July 23th, 2008
<b>Monday October 20th</b>				
9:00-9:30	<b>Opening</b>			
9:30-11:00	<b>Keynote: PIM meets Web 2.0</b> <b>Moira C. Norrie</b>			
11:00-11:30	<b>Coffee break</b>			
	<b>M1:Patterns</b> <b>(Chair:TBA)</b>	<b>SeCoGIS: Foundational Aspects</b>	<b>PhD Workshop</b>	
11:30-12:00	A Multi-level Methodology for Developing UML Sequence Diagrams Il-Yeol Song, Ritu Khare, Yuan An, Margaret Hilsbos	Projective Relations on the Sphere Eliseo Clementini	Test-Driven Conceptual Modeling: A Method and a Tool Albert Tort	
12:00-12:30	Content Ontology Design Patterns as practical building blocks for web ontologies Valentina Presutti, Aldo Gangemi	Life and motion configurations: a basis for spatio-temporal generalized reasoning model Pierre Hallot, Roland Billen	Assessing the Value of Conceptual Modeling: A cost-benefit study Changheon Lee	
12:30-13:00	Quality Patterns for Conceptual Modelling Samira Si-Said, Jacky Akoka, Isabelle Comyn-Wattiau	A semantic and language based model of landscape scenes Jean-Marie Le Yaouanc, Eric Saux, Christophe Claramunt	Requirements-driven development in SUPER Ken Decreus	
13:00-14:30	<b>LUNCH</b>			

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	<b>M2:Process models (Chair:TBA)</b>	<b>SeCoGIS: Ontologies and Location-based services</b>	<b>PhD Workshop</b>	
14:30-15:00	On Measuring Process Model Similarity based on High-level Change Operations Chen Li, Manfred Reichert, Andreas Wombacher	An ontology-based approach for the semantic modelling and reasoning on trajectories Miriam Baglioni, Jose Macedo, Chiara Renso, Monica Wachowicz	Marrying Ontologies and Model Driven Engineering Technical Spaces: The TwoUse approach Fernando Silva Parreiras	
15:00-15:30	Recommendation Based Process Modeling Support: Method and User Experience Thomas Hornung, Agnes Koschmider, Georg Lausen	Administrative Units, an Ontological Perspective Francisco Javier López-Pellicer, Aneta Jadwiga Florczyk, Javier Lacasta, Francisco Javier Zarazaga-Soria, Pedro R. Muro-Medrano	From Situational to Functional Method Engineering Shyam Goyal	
15:30-16:00	On the Formal Semantics of Change Patterns in Process-aware Information Systems Stefanie Rinderle-Ma, Manfred Reichert, Barbara Weber	A Modular Data Infrastructure of Location-based Services Shijun Yu, Stefano Spaccapietra	Supporting the Design of Ontologies for Data Access Lina Lubyte	
16:00-16:30	<b>Coffee break</b>			
	<b>M3: Process management and design (Chair:TBA)</b>	<b>SeCoGIS: Interoperability and Spatial Infrastructures</b>	<b>PhD Workshop</b>	
16:30-17:00	Beyond Control-Flow: Extending Business Process Configuration to Roles and Objects Marcello La Rosa, Marlon Dumas, Arthur H.M. ter Hofstede, Jan Mendling, Florian Gottschalk	A method to derivate SOAP interfaces and WSDL metadata from the OGC Web Processing Service mandatory interfaces Gonzalo Sancho-Jiménez, Rubén Béjar, Pedro R. Muro-Medrano	Evaluation and Analysis of Goal-Oriented Models Jennifer Horkoff	
17:00-17:30	Value-driven coordination process design using physical delivery models Roel Wieringa, Vincent Pijpers, Lianne Bodestaff, Jaap Gordijn	Managing sensor data on urban traffic Claudia Medeiros, Marc Joliveau, Genevieve Jomier, Florian De Vuyst	A goal-oriented authoring approach to design, share and reuse learning scenarios Valérie Emin	
17:30-18:00	Relaxed Compliance Notions in Adaptive Process Management Systems Stefanie Rinderle, Manfred Reichert, Barbara Weber	Retrieving Documents with Geographic References Using a Spatial Index Structure Based on Ontologies Miguel R. Luaces, Ángeles S. Places, Francisco J. Rodríguez, Diego Seco	Goal-Oriented Security Trade-Off Modeling and Analysis with Knowledge Support Golnaz Elahi	

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Tuesday October 21th				
9:30-11:00	<p align="center"><b>Keynote: Conceptual Modeling Meets the Human Genome</b> Oscar Pastor</p>			
11:00-11:30	<p align="center"><b>Coffee break</b></p>			
	<p><b>M4: Ontology (Chair:TBA)</b></p>	<p><b>M2AS:Adaptive services and interaction for mobile devices</b></p>	<p><b>Tutorial 1</b></p>	<p><b>Demos 1: ER and Querying languages and XML, XSL, Web, and Ontology</b></p>
11:30-12:00	<p>A Formal Model of Fuzzy Ontology with Property Hierarchy and Object Membership Yi Cai, Ho-fung Leung</p>	<p>A Dynamically Extensible, Service-based Infrastructure for Mobile Applications Stefan Kurz, Marius Podwyszynski, and Andreas Schwab</p>	<p>Quality of Data, Textual Information and Images: a comparative survey. Carlo Batini</p>	<p>See Demos program</p>
12:00-12:30	<p>What's in a Relationship: An Ontological Analysis Giancarlo Guizzardi</p>	<p>The Situation Lens: Looking into Personal Service Composition Augusto Celentano, Stefano Faralli, Fabio Pittarello</p>		
12:30-13:00	<p>An Upper-Level Ontological Model for Engineering Design Performance Domain Vadim Ermolayev, Natalya Keberle, Wolf-Ekkehard Matzke</p>	<p>A System for Dynamically Generating User Centric Interfaces for Mobile Applications and Services Abayomi Ipadeola, Oludayo Olugbara, Matthew Adigun and Sibusiso Xulu</p>		
13:00-14:30	<p align="center"><b>LUNCH</b></p>			

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	<b>M5: Space and Time (Chair:TBA)</b>	<b>M2AS:Mobile systems and Architecture</b>	<b>RIGIM:Modeling</b>	<b>Demos 2: XML, XSL, Web, and Ontology and General Software Development</b>
14:30-15:00	An adverbial approach for formal specification of topological constraints involving regions with broad boundaries Lotfi Bejaoui, François Pinet, Michel Schneider, Yvan Bédard	Multimodal Mobile Virtual Blackboard Danco Davcev , Vladimir Trajkovik, Sladjana Gligorovska	Reflective Analysis of the Syntax and Semantics of the i* Framework Jennifer Horkoff,Golnaz Elahi, Samer Abdulhadi, Eric Yu	See Demos program
15:00-15:30	Modelling Temporal Constraints on Time Extended ER Diagrams Carlo Combi, Sara Degani, Christian Jensen	Personalized mobile multimodal services: CHAT project experiences Giovanni Frattini, Federico Ceccarini, Fabio Corvino, Ivano De Furio, Francesco Gaudino, Pierpaolo Petriccione, Roberto Russo, Vladimiro Scotto di Carlo, Gianluca Supino	Modeling Strategic Alignment Using InStAl Laure-Helene Jean-Baptiste Thevenet	
15:30-16:00	Temporal Constraints in Non-Temporal Data Modelling Languages Peter McBrien	A General-purpose Context Modeling Architecture for Adaptive Mobile Services Thomas Pederson, Carmelo Ardito, Paolo Bottoni, Maria Francesca Costabile	Requirements Engineering for Distributed Development Using Software Agents Miriam Sayo, Aluzio Haendchen Filho, Hércules Antonio do Prado	
16:00-16:30	<b>Coffee break</b>			
	<b>M6: Privacy, compliance, location (Chair:TBA)</b>	<b>M2AS:Usability, users' study and application on mobile devices</b>	<b>RIGIM:Elicitation Issues</b>	<b>Demos 3: General Software Development and ER and Querying Languages</b>
16:30-17:00	Automating the Extraction of Rights and Obligations for Regulatory Compliance Nadzeya Kiyavitskaya, Nicola Zeni, Travis Breaux, Annie Anton, James Cordy, Luisa Mich, John Mylopoulos	Barcode scanning from mobile-phone camera photos delivered via MMS: case study Adam Wojciechowski, Konrad Siek	Integrating Business Domain Ontologies with Early Requirements Modelling Frederik Gailly, Sergio España, Geert Poels, Oscar Pastor	See Demos program
17:00-17:30	Location-based Software Modeling and Analysis: Tropos-based Approach Raian Ali, Fabiano Dalpiaz, Paolo Giorgini	A Qualitative Study of the Applicability of Technology Acceptance Models to Senior Mobile Phone Users Judy van Biljon , Karen Renaud	Goal-oriented authoring approach and design of learning systems Valerie Emin, Jean-Philippe Pernin, Viviane Guraud	
17:30-18:00	Risk Evaluation for Personal Identity Management Based on Privacy Attribute Ontology Mizuho Iwaihara, Kohei Murakami, Gail-Joon Ahn, Masatoshi Yoshikawa	Visualising the dynamics of unfolding interactions on mobile devices Kristine Deray and Simeon J. Simoff	Timing Nonfunctional Requirements Ivan J. Jureta, Stephane Faulkner	

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Wednesday October 22th				
9:30-11:00	<p><b>Keynote: Relationship Web: Spinning the Web from Trailblazing to Semantic Analytics</b> Amit Sheth</p>			
11:00-11:30	<p><b>Coffee break</b></p>			
	<p><b>M7: Novel semantics</b> (Chair:TBA)</p>	<p><b>WISM: Web Information Systems</b></p>	<p><b>Tutorial 2</b></p>	<p><b>Tutorial 3</b></p>
11:30-12:00	<p>Developing Preference Band Model to Manage Collective Preferences Wilfred Ng</p>	<p>Abstract State Services - A Theory of Web Services [invited paper] Hui Ma, Klaus-Dieter Schewe, Bernhard Thalheim, Qing Wang</p>	<p>Problem-driven requirements engineering Roel Wieringa</p>	<p>Can Domain Modeling become Automated? Iris Reinhartz-Berger</p>
12:00-12:30	<p>A Conceptual Modeling Framework for Expressing Observational Data Semantics Shawn Bowers, Joshua Madin, Mark Schildhauer</p>	<p>A Meta-Model Approach to the Management of Hypertexts in Web Information Systems Roberto De Virgilio, Riccardo Torlone</p>		
12:30-13:00	<p>Towards a Compositional Semantic Account of Data Quality Attributes Lei Jiang, Alex Borgida, John Mylopoulos</p>	<p>An Approach to Creating Design Methods for the Implementation of Product Software: the Case of Web Information Systems Lutzen Luinenburg, Slinger Jansen, Jurriaan Souer, Sjaak Brinkkemper, Inge van de Weerd</p>		
13:00-14:30	<p><b>LUNCH</b></p>			
	<p><b>M8: System design</b> (Chair:TBA)</p>	<p><b>WISM: Semantic Web Information Systems</b></p>	<p><b>CMLSA: Keynote and Conceptual Modeling of Biomedical and Health Systems</b></p>	<p><b>Tutorial 4</b></p>
14:30-15:00	<p>Integrated Development of Data Warehouses and Data Marts by Applying Model-driven and Goal-oriented Requirement Engineering Jesús Pardillo, Juan Trujillo</p>	<p>Semantic Verification of Web System Contents Maria Alpuente, Michele Baggi, Demis Ballis, Moreno Falaschi</p>	<p>Ontologies in Practice: From Biomedical Informatics to Nanomedicine (Keynote) Victor Maojo</p>	

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15:00-15:30	Design Metrics for Data Warehouse Evolution George Papastefanatos, Panos Vassiliadis, Alkis Simitsis, Yannis Vassiliou	Identifying Users Stereotypes with Semantic Web Mining Sandro Jose Rigo and Jose Palazzo Moreira de Oliveira	Models of the Human Metabolism Dirk Langemann.	The deep structure of business processes Jan Dietz and Linda Terlouw
15:30-16:00	A Domain Engineering-based Approach for Situational Method Engineering Anat Aharoni, Iris Reinhartz-Berger	On Temporal Cardinality in the Context of the TOWL Language Viorel Milea, Michael Mrissa, Kees van der Sluijs, Uzay Kaymak	Designing Privacy-aware Personal Health Record Systems Reza Samavi, Thodoros Topaloglou.	
16:00-16:30	<b>Coffee break</b>			
	<b>M9: Translation, transformation, and search (Chair:TBA)</b>	<b>Panel</b>	<b>CMLSA: Knowledge Integration in Life Sciences</b>	
16:30-17:00	Retrieving and Materializing Tuple Units for Effective Keyword Search over Relational Databases Guoliang Li	Panel:"Conceptualizing Data Integration: Been there, Done that?" Chair: Avigdor Gal	Linking Biological Databases Semantically for Knowledge Discovery Sudha Ram, Kunpeng Zhang and Wei Wei.	
17:00-17:30	Model Driven Specification of Ontology Translations Fernando Silva Parreiras, Steffen Staab, Simon Schenk, Andreas Winter		Integration of Genomic, Proteomic and Biomedical Information on the Semantic Web Bill Andreopoulos, Aijun An, Jimmy Huang, and Dirk Labudde.	
17:30-18:00	Dealing with Usability in Model Transformation Technologies Jose Ignacio Panach Navarrete, Sergio España Cubillo, Ana María Moreno Sánchez-Capuchino, Óscar Pastor López		Semantical Quality Management in Domain Knowledge Integration - A Biology Case Study Marie-Noelle Terrasse, Eric Leclercq, Marinette Savonnet, Pierre Naubourg, Arnaud Da Costa, and Magali Roux-Rouquie.	
18:00-18:30			Towards a Scientific Model Management System Fabio Porto, Jose Macedo, Javier Sanchez Tamargo, Yuanjian Wang Zufferey, and Stefano Spaccapietra.	

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<b>Thursday October 23th</b>				
	<b>M10: Queries (Chair:TBA)</b>	<b>FP-UML:Keynote and UML Model Transformations</b>	<b>ECDM</b>	
9:30-10:00	Modeling and Querying E-Commerce Data in Hybrid Relational-XML DBMSs Lipyeow Lim, Haixun Wang, Min Wang	Using Object Concepts and UML for Conceptual Modeling (Keynote) Yair Wand	Time versus Standards (Invited Talk) Carlo Zaniolo	
10:00-10:30	Approximate Probabilistic Query Answering over Inconsistent Databases Sergio Greco, Cristian Molinaro	Towards obtaining Analysis-Level Class and Use Case Diagrams from Business Process Models Alfonso Rodríguez, Eduardo Fernández-Medina and Mario Piattini,	Modeling Transformations between Versions of a Temporal Data Warehouse Johann Eder, Karl Wiggisser	
10:30-11:00	Conjunctive Query Containment under Access Limitations Andrea Cali, Davide Martinenghi	Improving Automatic UML2 Profile Generation for MDA Industrial Development Giovanni Giachetti, Francisco Valverde and Oscar Pastor	Managing the History of Metadata in support for DB Archiving and Schema Evolution Carlo A. Curino, Hyun J. Moon, Carlo Zaniolo	
11:00-11:30	<b>COFFEE BREAK</b>			
	<b>M11: Similarity and coherence (Chair:TBA)</b>	<b>FP-UML:User Requirements and their quality issues</b>	<b>ECDM</b>	
11:30-12:00	Automatic Extraction of Structurally Coherent Mini-Taxonomies Khalid Saleem, Zohra Bellahsene	A UML Profile for Modeling Measurable Requirements Jesús Pardillo, Fernando Molina Molina, Cristina Cachero, Ambrosio Toval Álvarez	Towards a Dynamic Inconsistency-tolerant Schema Maintenance Hendrik Decker	
12:00-12:30	Analysis and Reuse of Plots using Similarity and Analogy Antonio Furtado, Marco Casanova, Simone Barbosa, Karin Breitman	A Comprehensive Aspect-oriented Use Case Method for Modeling Complex Business Requirements Lu Caimei, Song Il-Yeol		
12:30-13:00	Discovering Semantically Similar Associations (SeSA) for Complex Mapping between Conceptual Models Yuan An, Il-Yeol Song	Exploiting the complementary relationship between use case models and activity diagrams for developing quality requirements specifications Narasimha Bolloju, Sherry Xiaoyun Sun		
<b>END OF THE CONFERENCE</b>				