International Workshop on Fact-Oriented Modeling
(ORM 2009)
Vilamoura, Portugal**,** November 4-6, 2009

Pre-workshop Keynotes:
Monday Nov 2, 9:00-10:00 **DOA Keynote** (Third party services for enabling business-to-business interactions, *Santosh Shrivastava*)
Monday Nov 2, 18:00-19:00 **IS Keynote** (Cloud Computing: VirtualClusters, Data Security, and Disaster Recovery, *Kai Hwang*)
Tuesday Nov 3, 9:00-10:00 **ODBASE Keynote** (Surviving the Glut: The Management of Event Streams in Cyberphysical Systems, *Alejandro Buchmann*)

Wednesday, November 4

8:00-9:00   **Registration**

9:00-10:00   **CoopIS Keynote** (Developing Collaborative Working Environments—what can we learn from Web 2.0?, *Wolfgang Prinz*)

10:00-10:30   **Coffee break**

10:30-12:30   **Session 1: Business Service and Process Modeling** (*Chair: Terry Halpin*)
Welcome, and Introduction of Participants

Towards a Common Platform to Support Business Processes, Services and Semantics
    Baba Piprani, MetaGlobal Systems (Canada)
BPMN as a communication language for the process and event oriented perspectives in fact-oriented conceptual models
    Peter Bollen, University of Maastricht (The Netherlands)

12:30-14:00   **Lunch**

14:00-15:30   **Session 2: Conceptual Languages for Queries and Rules** (*Chair: Inge Lemmens*)
The Constellation Query Language
    Clifford Heath, Data Constellation (Australia)

A Role Calculus for ORM
    Matthew Curland, Kurt Stirewalt, LogicBlox (USA)
    Terry Halpin, LogicBlox (Australia) and INTI Education Group (Malaysia)

15:30-16:00   **Coffee Break**

16:00-18:00   **Session 3: Fact-Oriented Tools and Projects** (*Chair: Peter Bollen*)
Automated Test Input Generation for an ORM-to-Datalog Code Generator
    Matthew J. McGill, Laura K. Dillon, Michigan State University (USA)
    R. E. K. Stirewalt, LogicBlox (USA)

Development of Tooling to Support Fact-oriented Modeling at ESA
    Inge Lemmens, PNA Group (The Netherlands)
    Francesco Sgaramella, Space Software Italia (Italy)
    Serge Valera, European Space Agency (The Netherlands)

Fact-based Modeling and the EU FP7 OntoRule Project
    Sjir Nijssen, *Inge Lemmens*, PNA Group (The Netherlands)

20:00   **OTM Conference Dinner**

Thursday, November 5

9:00-10:00   **EI2N keynote** (Systems as Foundations for MBSE, *Claude Feliot*)

10:00-10:30   **Coffee break**

10:30-12:30   **Session 4: Sharing and Managing Business Semantics** (*Chair:* Ken Evans)
A Model for Semantic Equivalence Discovery for Harmonizing Master Data
   Baba Piprani, MetaGlobal Systems (Canada)

An ORM-driven Implementation Framework for Database Federations
   Herman Balsters, Bouke Haarsma, University of Groningen (The Netherlands)

An ORM-based Semantics for B2B transactions
   Herman Balsters, Fred van Blommestein, University of Groningen (The Netherlands)

12:30-14:00   **Lunch**

14:00-15:30   **Session 5: Fact Types and Predicates** (*Chair: Matt Curland)*
Predicate Reference and Navigation in ORM
   Terry Halpin , LogicBlox (Australia) and INTI Education Group (Malaysia)

Positionalism of Relations and its Consequences for Fact-oriented Modelling
   C. Maria Keet, Free University of Bozen-Bolzano (Italy)

15:30-16:00   **Coffee Break**

16:00-18:00   **Session 6: Working Session on Standards and Initiatives** (*Chair: Herman Balsters*)

A Common Metamodel and Other Initiatives
   Terry Halpin, LogicBlox (Australia)
   Sjir Nijssen, PNA Group (The Netherlands)
   Serge Valera, European Space Agency (The Netherlands)

Friday, November 6

9:00-10:00   **Session 7: Demonstrations of Fact-Oriented Modeling Tools** (*Chair: Serge Valera*)
   (Australia, Belgium, The Netherlands, USA)

10:00-10:30   **Coffee break**

10:30-12:30   **Session 8: Industrial Case Studies and Tool Demos** (*Chair: Baba Piprani*)

Fact-orientation applied to develop a flexible employment benefit system
   Maurice Nijssen, Inge Lemmens, Ralph Mak

Business Semantics Management Supports Government Innovation Information Portal
   Geert Van Grootel, Peter Spyns, Stijn Christiaens, Brigitte Joerg

Demonstrations of Fact-Oriented Modeling Tools 2
   (Australia, Belgium, The Netherlands, USA)

12:30-14:00   **Lunch**

14:00-15:30   **Session 9: Open Discussion on Future Initiatives** (*Chairs: Herman Balsters, Terry Halpin*)

15:30-16:00   **Coffee Break and Close of Workshop**