

Preface

Model Driven Engineering (MDE) and especially Model Driven Development^{TM1} (MDDTM) is based on a paradigm in which source code is no longer considered as a central element of software development but is rather considered as an element derived from one or several model units. The Model Driven Architecture[®] (MDA[®]) proposed by Object Management GroupTM (OMGTM) is one of the most known examples of MDD. The main interest of this model- and transformation-based approach is the separation of concerns for improving both quality and traceability for the generated code as well as the efficiency of the development process.

The main idea of the Model Driven Interoperability is to use Model Driven Development approaches to solve interoperability problems starting from Enterprise and Business models down to the lowest level of abstraction instead of tackling the problem directly at code level. First results about this kind of approach have been released by the Task Group 2 of the INTEROP Network of Excellence (Nov. 2003 - Apr. 2007) and by the ATHENA IP (Feb. 2004 - Feb. 2007).

The first edition of the Model Driven Interoperability for Sustainable Information Systems workshop (MDISIS) aims at providing a forum where practitioners, researchers, academics and students can discuss current state and future challenges of model driven methods, techniques and applications for solving interoperability problems from both academics and industrial points of view. Several aspects of MDI are tackled such as methodological frameworks or technical issues or industrial application aspects as well as semantic support through the use of ontologies. This first edition of MDISIS shows that model driven approaches have already widely impacted the development of sustainable solutions to interoperability problems but also that this promising research field must be now more investigated to get more adaptable, flexible proposals at all abstraction levels (i.e. from the Business layer down to the code) taking all the facets of enterprises into account.

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MDISIS'08 Chairs

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Organisation

MDISIS'08 is organised by both the Laboratory of Industrial Engineering, Ecole Centrale de Lille (France) and the Grupo de Investigación en Integración y Re-Ingeniería de Sistemas (IRIS), Dept. de Llenguatges i Sistemes Informàtics, Universitat Jaume I (Spain).

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