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Nota di contenuto	Orthographic Software Modelling: A Novel Approach to View-Based Software Engineering -- The Good, the Bad and the Ugly: Experiences with Model Driven Development in Large Scale Projects at Ericsson -- Comparing Approaches to Implement Feature Model Composition -- A UML 2.0 Profile to Model Block Cipher Algorithms -- Towards Model Driven Tool Interoperability: Bridging Eclipse and Microsoft Modeling Tools -- Aspect-Oriented Business Process Modeling with AO4BPMN -- A Reflective Approach to Model-Driven Web Engineering -- Requirements Analysis and Modeling with Problem Frames and SysML:

A Case Study -- Generative Technologies for Model Animation in the TopCased Platform -- Model-Driven Engineering of Machine Executable Code -- eSPEM – A SPEM Extension for Enactable Behavior Modeling -- Adding Abstraction and Reuse to a Network Modelling Tool Using the Reuseware Composition Framework -- Model-Based Development of Automotive Electronic Climate Control Software -- Example-Based Sequence Diagrams to Colored Petri Nets Transformation Using Heuristic Search -- Model Search: Formalizing and Automating Constraint Solving in MDE Platforms -- MoPCoM Methodology: Focus on Models of Computation -- Dynamic Computation of Change Operations in Version Management of Business Process Models -- Detecting Inconsistencies in Multi-View Models with Variability -- A Model-Based Method for Evaluating Embedded System Performance by Abstraction of Execution Traces -- Concordance: A Framework for Managing Model Integrity -- An Integrated Facet-Based Library for Arbitrary Software Components -- Precise Specification of Design Pattern Structure and Behaviour -- Coping with Variability in Model-Based Systems Engineering: An Experience in Green Energy -- On the Combination of Domain Specific Modeling Languages -- JointLanguage and Domain Engineering -- An Automated Approach to Transform Use Cases into Activity Diagrams.

Sommario/riassunto

The 2010 European Conference on Modelling Foundations and Applications (ECMFA 2010) was dedicated to assessing the state of the art and the state of the practice in model-based engineering. It was the sixth edition in the - ries of conferences previously known under the title "European Conference on Model-DrivenArchitecture-FoundationsandApplications(ECMDA-FA)."The name changere'ects the de facto broadening of the conference scope beyondthe R R MDA initiative of the Object Management Group to cover all major advances related to model-based engineering approaches. These proceedings, like the ones from previous editions in the conference series, will undoubtedly serve as a reference to all who follow model-based engineering theory and practice. The included papers document the steady e- lution of model-based development methods into a mature discipline, with we- established standards, industrial-strength tools, and emerging theoretical fo- dations. They also serve to illustrate that model-based approaches are capable of signi'cantproductivity andquality improvementsrelativeto moretraditional development methods.