

MDD4DRES

4th International School on **Model-Driven Design for Distributed, Realtime, Embedded Systems**

April 20-24, 2009, Aussois (France)

www.mdd4dres.info

Model-Driven Development (MDD) is an established paradigm that has already been successfully applied to a number of domains, most notably the domain of distributed, real-time, and embedded systems (DRES). The 4th edition of the school proposes a set of selected lectures, given by outstanding, world-renown lecturers, coming both from industry and academia. The lectures will cover a broad range of topics related to model-driven approaches for DRES, including an overview of the state of the art, emerging trends, future opportunities and challenges. The school will take place in a charming area of the French Alps.



Syllabus Overview

(complete program available at www.mdd4dres.info/program)

Joseph Sifakis <i>Turing Award 2007, CNRS Verimag Lab, France</i>	Embedded Systems Modelling and Analysis: Research Challenges
Robert France <i>Colorado State University - USA</i>	Navigating the MDE RoadMap: Are we there yet?
Alain Clouard <i>STMicroelectronics - France</i>	Model-Driven Development: Industrial needs and perspectives
Yves Bernard <i>Airbus - France</i>	Fundamentals of model-based engineering for Airbus Avionics & Simulation
Stefan Kuntz <i>Continental Automotive Gmbh - Germany</i>	Introduction to the Autosar Standard
Pierre-Alain Müller <i>University of Haute Alsace - France</i>	On Meta-models and Language Engineering
Nicolas Rouquette <i>NASA - USA</i>	Introduction to Executable UML
Benoît Baudry <i>IRISA Lab - France</i>	Leveraging metamodels for model transformation testing
Christophe Gaston <i>CEA-LIST - France</i>	Symbolic Execution Techniques for Test Purpose Definition
Sébastien Gérard <i>CEA-LIST - France</i>	A Profile for Embedded Systems Development
Dorina C. Petriu <i>Carleton University - Canada</i>	Model-based Performance Analysis
Lothar Thiele <i>ETH - Zurich</i>	Component Based Schedulability Analysis
Peter Feiler <i>SEI - USA</i>	Validation of Safety-Critical Systems with AADL
Chris Raistrick <i>Kennedy-Carter - UK</i>	Model Based Code Generation
Denis Aulagnier <i>Thales - France</i>	SoC/SoPC development using MDA and MARTE profile

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