

Third edition
International Summer School

MDD for Distributed Real-time Embedded Systems

Aber Wrac'h - Brittany
from September the 4th to 8th 2004

Sébastien Gérard, Joël Champeau, Jean-Philippe Babau

Sponsored by:



Summer school ideas

- Courses dedicated to several technologies easing model-based development of embedded systems;
- Feedback of various industry experts coming from several domains of embedded systems;
- Closed discussions with people involved in model-based development research.

Technical program (1/3)

- MDD (Monday)

How to define a UML profile (*part I and part II*) - Bran Selic

Status and Perspectives of MDD in Embedded System Industry - Jean Luc Voirin

- System Modeling (Tuesday)

System Modeling for Automotive Embedded Applications - Henrik Lönn

Design of Space Systems - An Application to On-Board Software - David Chemouil

On metamodels and language engineering – Pierre Alain Muller

Schedulability analysis and MDD - Guy Gogniat

Technical program (2/3)

- **Poster, Tool and Demo Session (Wednesday morning)**
TopCased : Open Source Development Environment for Embedded Systems - Pierre Gaufillet

Poster, Tool & Demo Session

- **Marte Profile (Thursday morning)**

Status and perspectives of the UML profile for Marte - Sébastien Gérard

Performance analysis – Dorina Petriu

- **Validation and Evaluation (Thursday afternoon)**

MDE for SoC comodeling - Pierre Boulet

Modeling and generation of tests - Bernard Rumpe

Technical program (3/3)

- Implementation (Friday)

Specifying and Analyzing Model Transformations: The Challenges -

Robert France

Component-Based Software Development - Ivica Crnkovic

Conclusion of the summer school

Events

- **Tuesday afternoon**
Panel session on “Models and analysis”
Animated by D. Petriu
- **Wednesday morning : Tool and Demo Session**
 - Sodifrance: Tool demo
 - Ellidis: AADL Tool Demo
 - AIRBUS: TOPCASED project
 - Sodius: MDWorkbench demo
 - Obeo: Reverse Eng Tool demo
 - Triskell/INRIA: Kermeta demo
 - France Telecom R&D: QVT Implementation
 - CEA/List, ENSIETA, CITI, ESEO, IRIT, Thalès: MDD projects

Social events

- **Monday evening**

Welcome drink at the Semaphore (on right and 100m on the left)

- **Wednesday afternoon**

Boat trip around Aber Wrach and lighthouse visit (635 steps)

- **Wednesday evening**

Summer school sea food banquet (Centre de la mer)

- **Breaks and lunches in the restaurant or on the terrace of the Centre de la Mer**

- **Tuesday and Thursday evening are free**

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