

- **Part 1**
 - Introduction to MDD for RT/E systems & MARTE in a nutshell
- **Part 2**
 - Non-functional properties modeling
 - Outline of the Value Specification Language (VSL)
- **Part 3**
 - The timing model
- **Part 4**
 - A component model for RT/E
- **Part 5**
 - Platform modeling
- **Part 6**
 - Repetitive structure modeling
- **Part 7**
 - Model-based analysis for RT/E
- **Part 8**
 - MARTE and AADL
- **Part 9**
 - **Conclusions**

- **MARTE define the language constructs only!**
 - Common patterns, base building blocks, standard NFP annotations
 - Generic constraints that do not force specific execution models, analysis techniques or implementation technologies
- **It does not cover methodologies aspects:**
 - Interface-Based Design, Design Space Exploration
 - Means to manage refinement of NFP measurement models
 - Concrete processes to storage, bind, and display NFP context models
 - Mapping to transform MoCCs into analysis models

MARTE is to the RTES domain as UML to the System & Software domain: a family of large and open specification formalisms!

- **The official MARTE web site: www.omgarte.org**
 - Tutorials, events, projects related and tools
 - On open source Eclipse plug-in for UML2 graphical modeling
 - MARTE implementation available within IBM RSA 7.0
 - Included the VSL editor

- **www.papyrusuml.org**
 - On open source Eclipse plug-in for UML2 graphical modeling
 - MARTE implementation available within the V1.8 release of the tool
 - Already available on:
 - <https://speedy.supelec.fr/Papyrus/svn/Papyrus/extensions/MARTE/head/>
 - Working on:
 - <https://speedy.supelec.fr/Papyrus/svn/Papyrus/core/...>