**MODELING AND SYNTHESIS OF A DYNAMIC AND PARTIAL RECONFIGURATION CONTROLLER**


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### Introduction
- Control specification: a transversal problem in reconfigurable SoC design
- How to make it easier to specify, and how to make it safe?
- Definition of a Model Driven Engineering based approach
- Usage of formal methods, and integration into the design flow

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### Methodology
- MDE oriented methodology, with MARTE extension for control
- Definition of a Model Driven Engineering
- Implementation mappings

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### Mapping from MARTE to BZR

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### Execution platform

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### References
- S. Kent, "Model Driven Engineering", *IFM*. 2002
- INRIA Sardes Team, "BZR synchronous language", http://bzr.inria.fr/