Autonomous robot systems consist of thousands of interacting components. The development and maintenance of these systems is a complex. Therefore, it is necessary to invest resources into the research and development of tools that are supporting the users to reduce these enormous efforts.

Models formalize tasks and abstract from low-level details. This formalization enables a tool-supported development of independent and composite models. These models may not contain all implementation details, but they can be used for specification, automatic inspection and code generation.

**Topics**
- Extracting Behavior Models from Source Code
- Tool-assisted inspection of Behavior Models
- Code Generation from Behavior Models

**Requirements**
- Knowledge of C++ (or object-oriented languages, e.g. Java)

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