

# MODEL BASED SCHEDULING SCENARIO GENERATION

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**Abstract:** *This article deals with model based systems. Following the concepts from process algebra, formal model of the system is built. After that model is transformed to the predicate net and simulation program providing executable specification for the problem domain. Results are analyzed and discussed through scheduling scenario example.*

**Key words:** *model based systems, scheduling and planning, predicate transition petri nets, simulation, specification, verification*



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