



Christian-Doppler-Labor *Embedded Software Systems* emb. Software & Systems Research Center (SRC)

A Flexible Infrastructure for Component-Based, Model-Driven Development

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Component-based development (including service-oriented architecture) and model-driven development are two of the most important and promising paradigms for software engineering. However, although languages like the UML provide simple constructs for representing components at the design stage, the realization of components is still primarily seen as an implementation issue. There are no mainstream languages, methods or infrastructures that support model-driven development in a fully component-oriented way (or component-oriented development in a fully model-driven way). In this talk, Colin Atkinson will present some technologies designed to address this issue. He will first present a new modelling infrastructure designed to provide flexible support for multi-level modelling and to combine the advantages of domain-specific and general purpose languages. He will then describe a mature methodology designed to support model-driven, component-based product line engineering. Finally, he will explain the synergy between these and show how they can be integrated to form the foundation for the next generation of software engineering environments.

For more information please see:

http://swt.informatik.uni-mannheim.de/group/colin_atkinson/index.html

Where	Techno-Z, Room A	
When	Monday, March 23, 2009, 11:00 h	Host: Prof. Wolfgang Pree