

COREPRO

Configuration Based Release Management Processes in the Automotive Sector

Project of the *Information Systems Group*
<http://is.cs.utwente.nl/corepro>

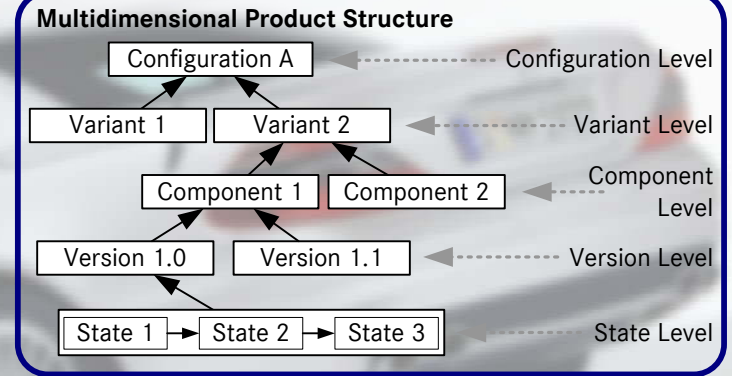
and *DaimlerChrysler Research & Technology*

General Description

- Development of car electric/electronic systems based on hundreds of different processes
- Correct and consistent process coordination fundamental to release high quality products
- Correlated process and product structures
- Manual process modelling and coordination inefficient and error prone
- IT support for generating and maintaining data-driven process structures required

Challenges

- Dependent, long running and concurrently executed process structures
- Multidimensional product structures with configurations, variants, versions and states
- Flexible IT support for design, enactment and adaptation of data-driven process structures



Solution Approaches

- Framework for defining, executing and adapting data-driven process structures
- Process creation and adaptation based on data object life cycles and data states
- Proof of concept: further case studies and software demonstrators in the automotive domain

Development Processes

