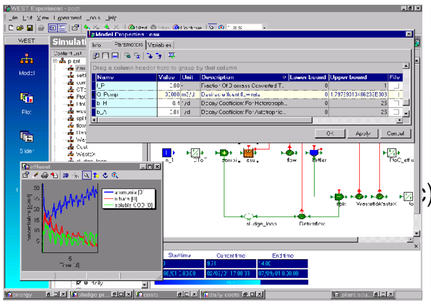
McGill
School of Computer Science

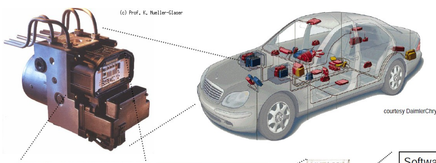
Universiteit Antwerpen
Department of Mathematics and Computer Science

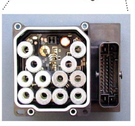
MSDL

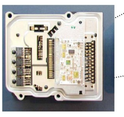
Modelling, Simulation and Design Lab

applications of (domain-specific) modelling and simulation-based design







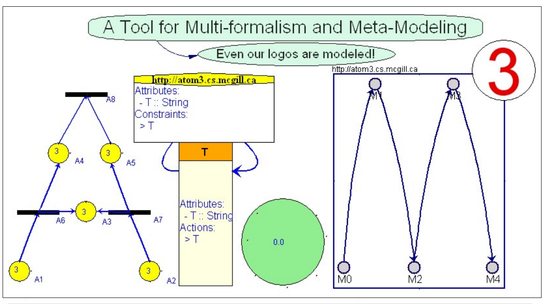


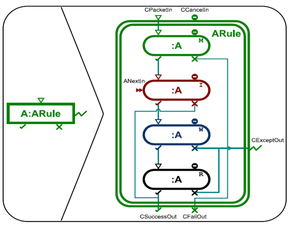
Software is part of ECU

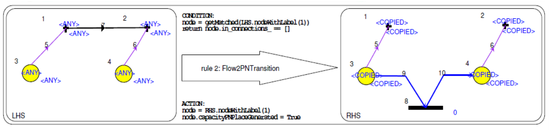
ECU's are part of mechatronic systems for measurement and control

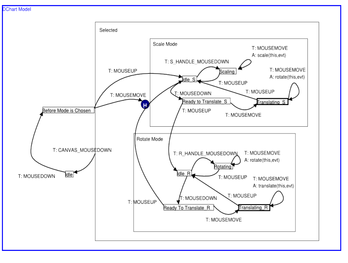
Language engineering: **meta-modelling** and **model transformation**

* transformation ++; evolution; distribution; ...









visual modelling

* specification of reactive behaviour
* link concrete and abstract syntax

theory/foundations: new formalisms (e.g., variable structure Modelica), multi-formalism modelling, formalism weaving (e.g., structure & behaviour), formalism transformation, ...