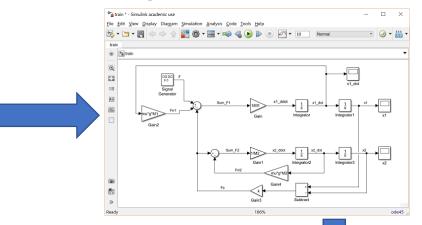
Variability Modelling

Simon Van Mierlo



Design, V&V (Ad-Hoc)

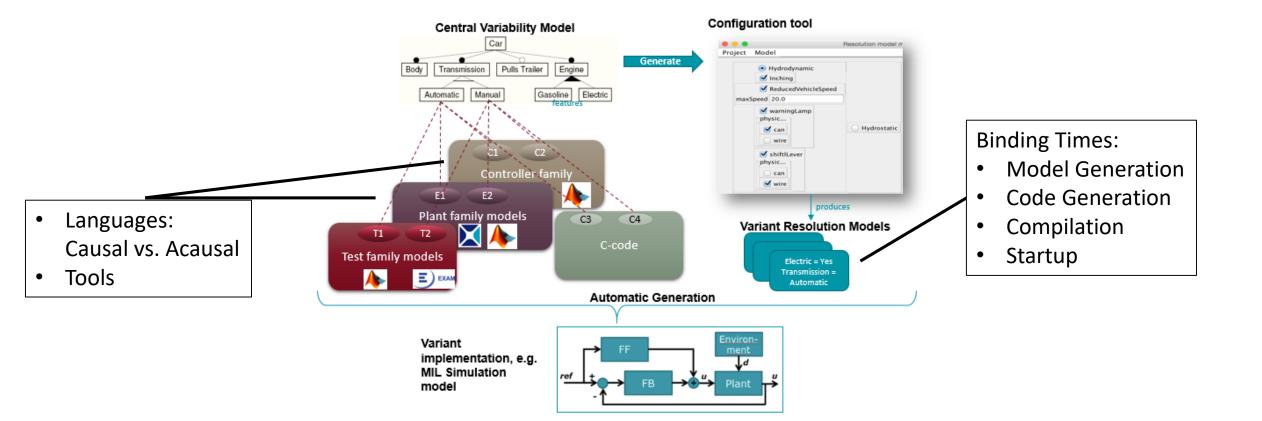


Manufacturing (Reconfigure)



Ultimately: lot-size one (at cost of series production)

What?



How?

- Specifying Variability:
 - Family modelling tool (BVR, pure::variants)
- Variation Points:
 - Language primitives
 - External
 - Traceability between variation points and features
- Link to:
 - Deployment (HiL)
 - Testing

Roadmap

- Low-Hanging Fruit:
 - Language primitives in acausal languages (Modelica, Simscape, Amesim)
 - Model transformation for model generation binding time
- Next:
 - Link to testing
 - Deployment (HiL)
 - Automatic manufacturing configuration per product