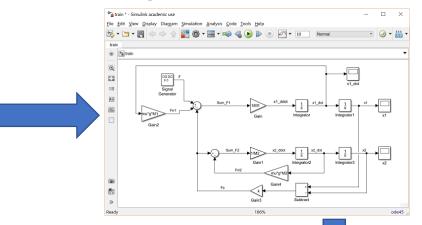
# Variability Modelling

Simon Van Mierlo



#### Design, V&V (Ad-Hoc)

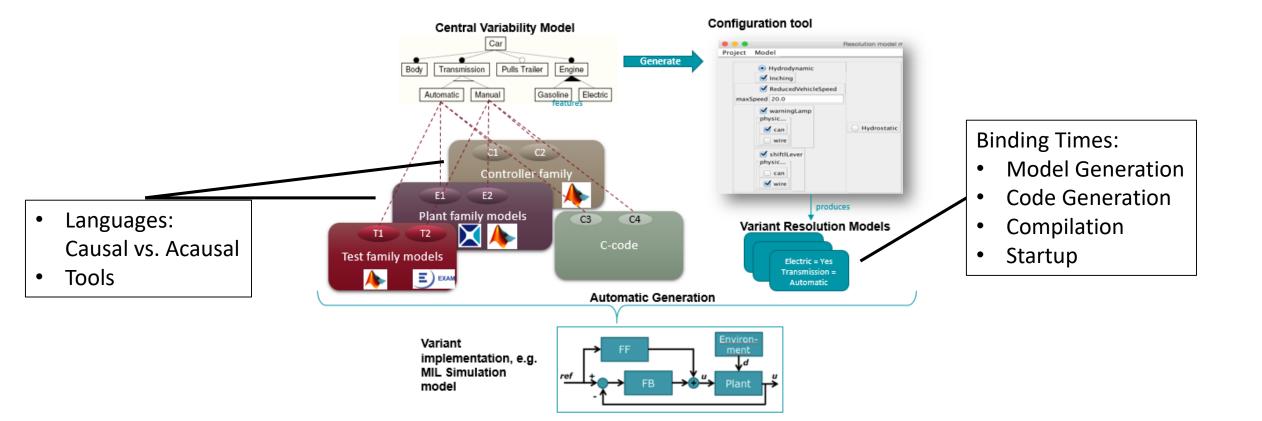


#### Manufacturing (Reconfigure)



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