



## The Strategic Research Centre for the Manufacturing Industry

### Model-Based Conceptual Design and Synthesis

Thursday, 28 September 2017

- 12h00**    *Sandwich Lunch*
- 13h00**    **Introduction**  
Maarten Witters, Core Lab Manager Flexible Assembly Solutions, Flanders Make
- 13h10**    **Model-based conceptual design synthesis**  
Klaas Gadeyne, Research Fellow, Flanders Make
- 13h35**    **Optimal model-based design for complex systems and applications in transmission-optimal designs**  
Steven Vanhee, Electrical Power Engineer, Dana Belgium  
Keivan Shariatmadar, Advanced Powertrain Engineer, Dana Belgium
- 13h55**    **A low-entry tool to support the conceptual design of robotic assembly cells**  
Karel Van Hoecke, CEO, Van Hoecke Automation
- 14h15**    **Model-based concept generation for engineering designs**  
Mike Nicolai, RTD Manager, Siemens Industry Software  
Johan Vanhuysse, Research Engineer, Siemens Industry Software
- 14h35**    **Optimal control for integrated emission management in diesel engines**  
Tijs Donckers, Assistant Professor, Technische Universiteit Eindhoven
- 15h00**    *Coffee Break*