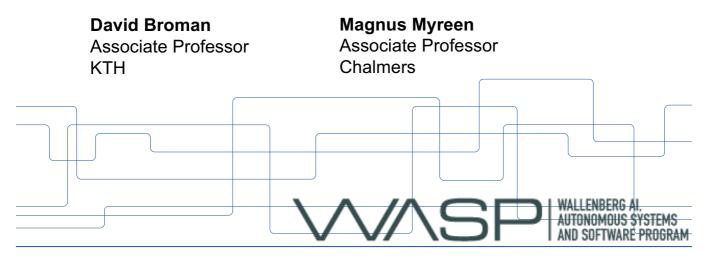
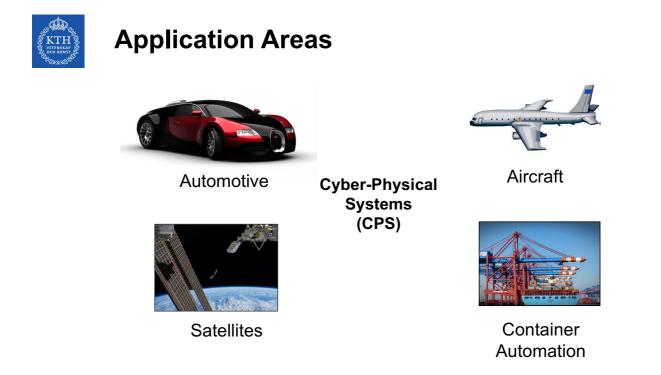
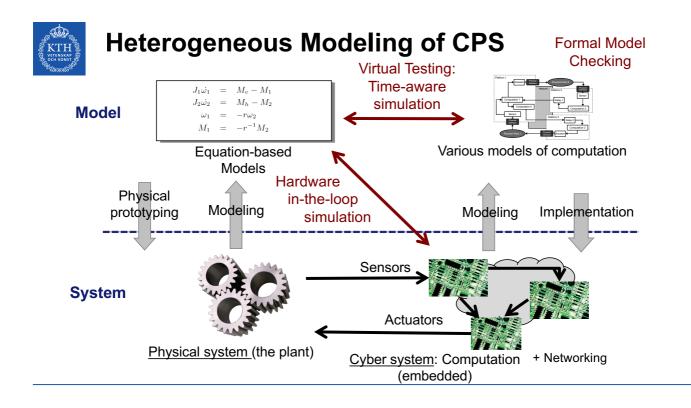
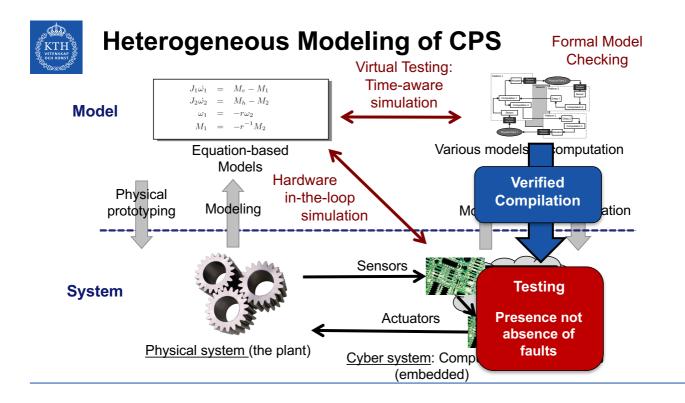


High-Confidence Formal Verification of Real Cyber-Physical Systems: from Models to Machine Code



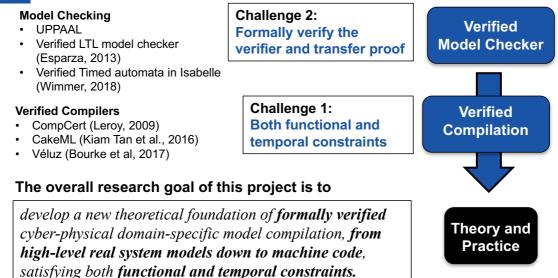


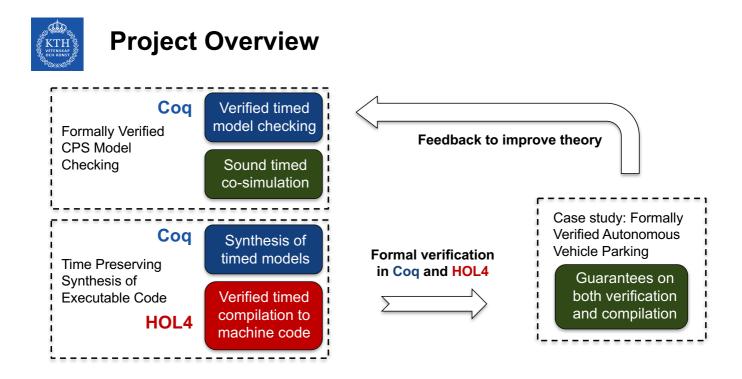






Research Challenges







Team



David Broman, Assoc. Prof., KTH Modeling languages, CPS, real-time systems, and co-sim



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Expedition Vision

Today: testing methodologies

This project: brings verification-style guarantees to CPS development

if a formal property is true for a model, then it also holds for the system

