

**Speaker: Martin Törngren, KTH**

**Title: Characterization, analysis and recommendations for exploiting the opportunities of Cyber-Physical Systems**

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**Abstract:**

Leveraging a comprehensive analysis of Cyber-Physical Systems (CPS) in Europe (the CyPhERS project - [www.cyphers.eu](http://www.cyphers.eu)), this talk presents overall findings focusing on (i) a characterization of CPS, (ii) opportunities and challenges in representative CPS application domains, and (iii) recommendations for action resulting from a cross domain analysis.

The characterization enables the description of a CPS, or classes of CPS, according to their technical emphasis, cross-cutting aspects, level of automation and life-cycle integration.

As opposed to many similar investigations on CPS and related concepts, CyPhERS adopted a broader sociotechnical perspective to CPS including societal, market and education/training aspects. Highlights from the recommendations will be discussed.

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