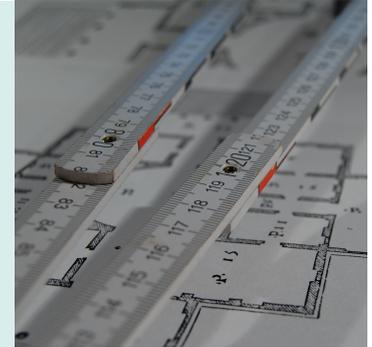


Praxis der Forschung

Multi Actor Behaviour and Dataflow Modelling for Dynamic Privacy Analysis in Industry 4.0



Motivation

In current architecture descriptions the user behaviour is reduced to the interaction of user groups with the system. This allows getting more easily performance prediction. However in privacy analysis the interaction and dataflow between different users of the system is relevant. Therefore an integration of a multi-actor behaviour modelling might be needed. In Industry 4.0 or IoT environments a high dynamic data-exchange exist. To support this data-exchange, the data-flow of the system needs to be modelled.

Task

First a literature research about different multi-actor behaviour modelling and data-flow modelling tools should be done. Based on the research an existing behaviour model should be adapted to support multi-actors. This should be integrated into an existing data-flow model. In the end a privacy analysis for the new modelling tool should be created.

We offer

- Latests modelling approaches based on Eclipse EMF
- Strong ties to current research project Trust 4.0
- Good working environment and extensive mentoring

If you are interested or have further questions, please contact:

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