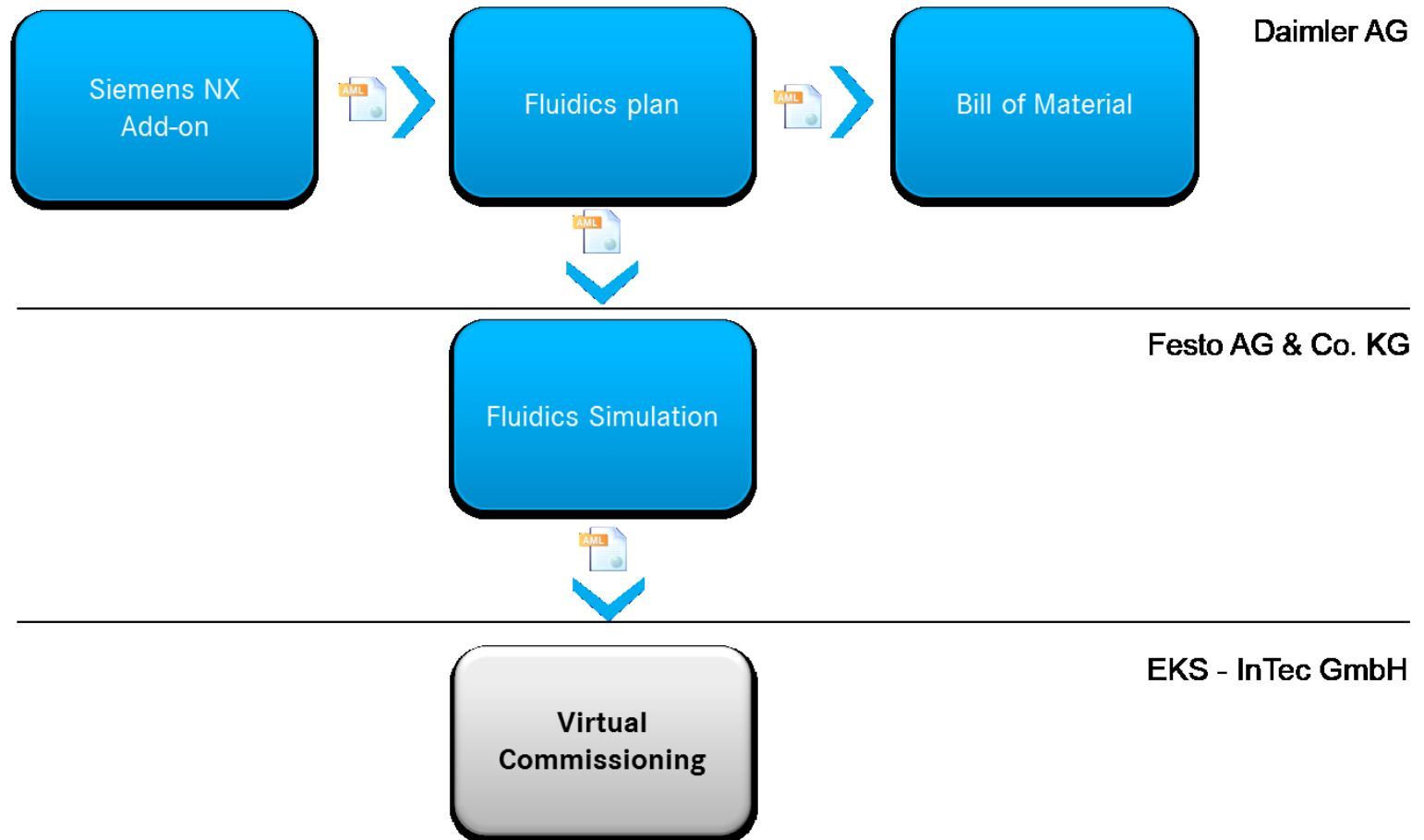




# **EKS InTec:**

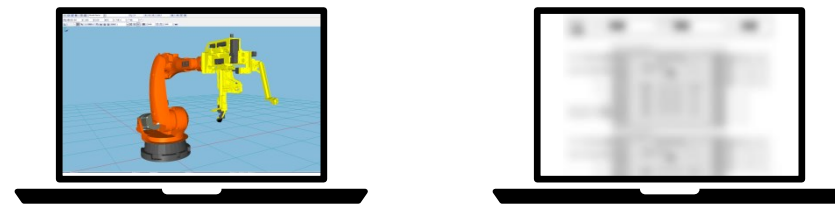
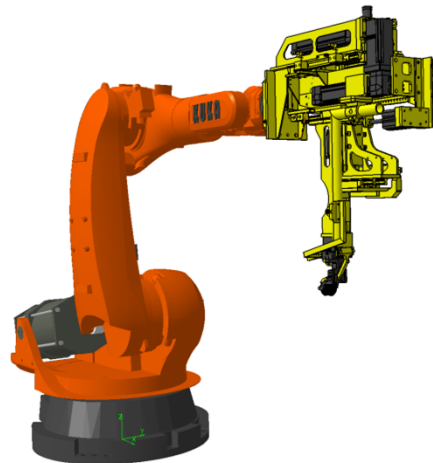
## **Contribution for presentation on AML user conference**

### **#AML Conference 2016**



## <AutomationML/>

AML contains information about mechanical design of the system, pneumatic plan and links between system's kinematic and pneumatic components.



Simulation Tools



\*.dae



\*.fmu

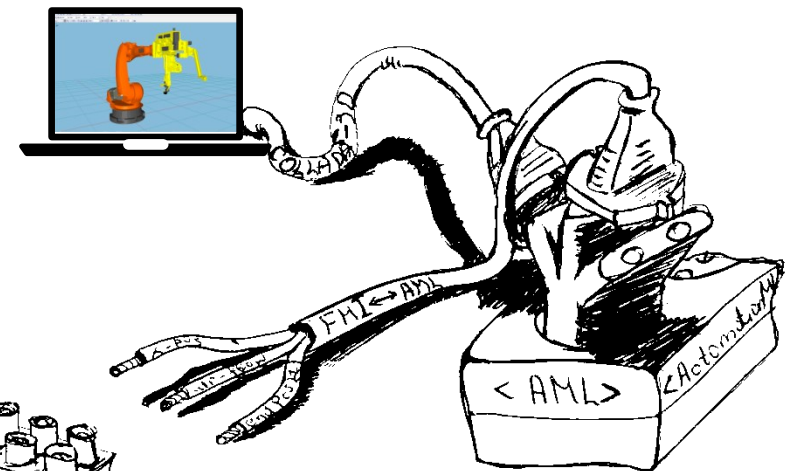
3d Geometry & Kinematic (3D)

Behaviour Models (BM)

In AVANTI, **connection between 3d geometry models and behaviour models** was analyzed, e. g. connection of values from behaviour models to the kinematic of 3d geometry models.

Thereby, **standardization of in- and outputs** of behaviour models regarding to component's types was identified as necessary.

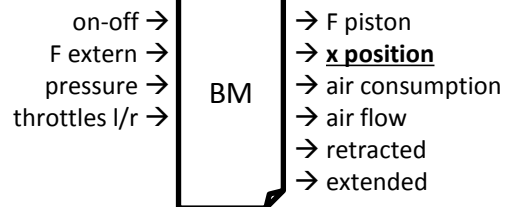
## 3d Geometry & Kinematic



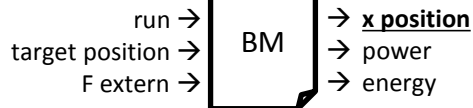
## Behaviour Models



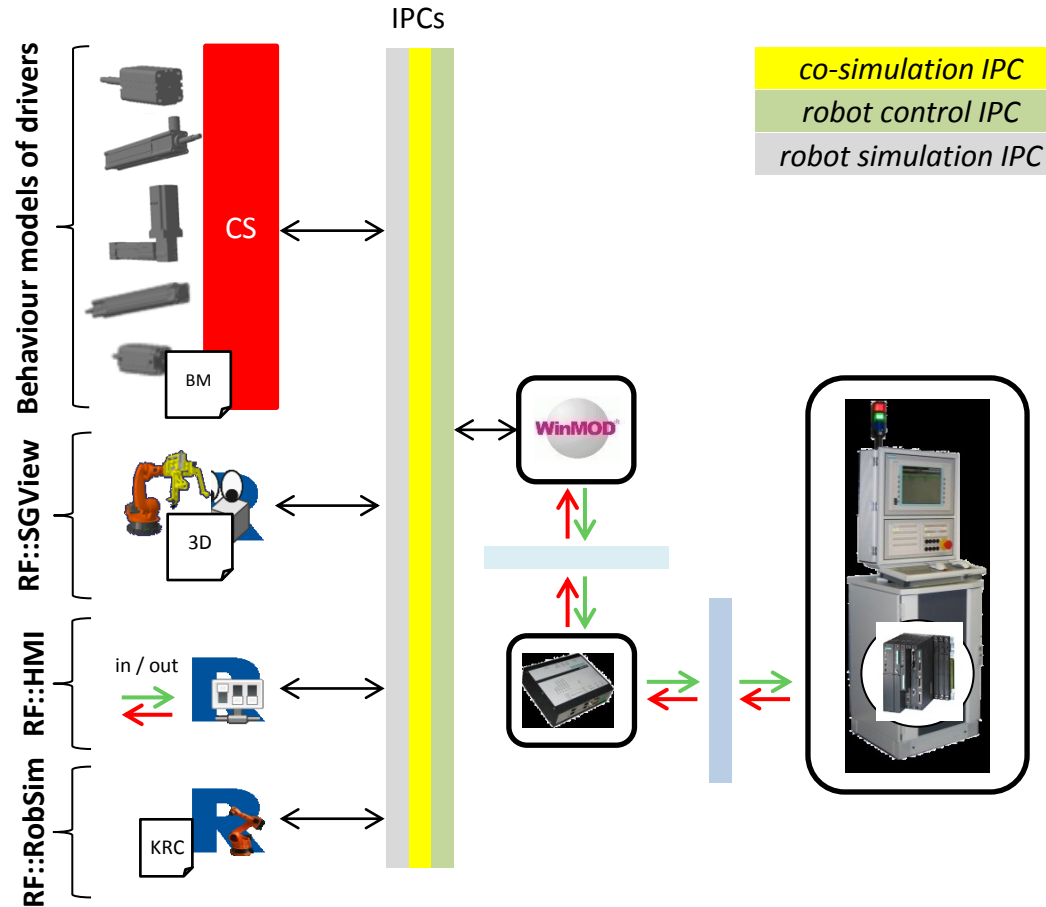
### Pneumatic Cylinder



### Electric Motor



Daten Supply Network  
Dr. A. Strahilov



**ED** – electrical driver, **PD** – pneumatic driver, **CS** – co-simulation, **BM**-Behaviour Model

## AVANTI project

Using of Functional Mock-up  
Interfaces (FMI) standard  
to provide behaviour models of  
components



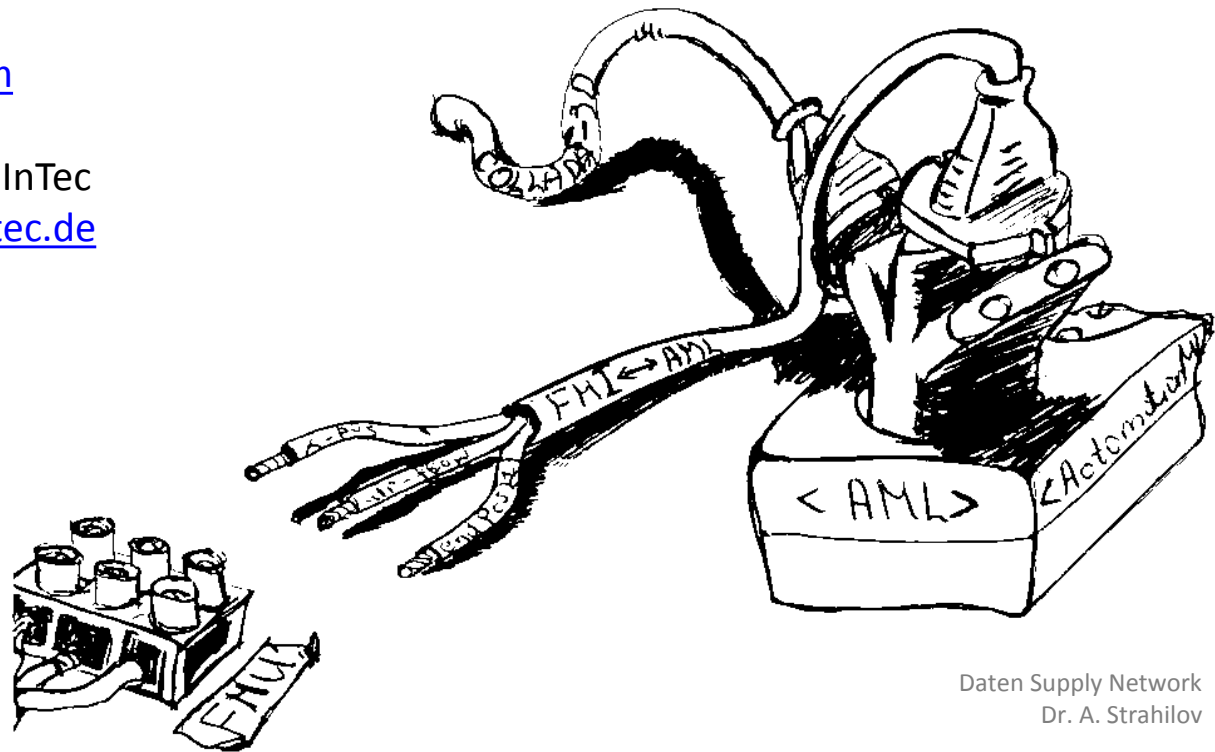
*Dr.-Ing. Anton Strahilov, EKS InTec GmbH*

# Thank you for your attention

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