Benefits of an Interdisciplinary Modular Concept in Automation of Machine and Plant Manufacturing

Applying interdisciplinary modular concept is a solution to optimize the automation engineering process in machine and plant manufacturing. With a modular concept it is possible to automate the data exchange between different disciplines throughout the development life cycle. The core of this concept is the reuse of tested interdisciplinary modules. The development of such modules involves different disciplines, version management, and variation management. Automated data exchange between different engineering tools for interdisciplinary modules will be realized by developing the suitable interfaces. The different aspects that are needed to design and implement these modules will be discussed and be evaluated.
entries: