Dealing with non-functional requirements in Distributed Control Systems Engineering

Abstract:
Industrial production plants are highly complex mechatronic systems. In today's automation systems a trend for distribution of control functions can be observed. The hereby emerging challenges lead to delays and interruptions in automation projects. Especially non-functional requirements are hard to specify for later engineering phases. Therefore, a holistic engineering approach will be developed. As a first step, important challenges for the development of distributed automation systems are identified in this paper. Based on this, non-functional requirements derived from an information science point of view are adapted to the specifics of automation technology.

Kongress-/Buchtitel:
16th IEEE International Conference on Emerging Technologies & Factory Automation (ETFA)

Verlagsort:
Toulouse, Frankreich

Jahr:
2011

Seiten:
1-4

Volltext / DOI:
http://doi.org/10.1109/ETFA.2011.6059132

WWW:
Occurences:

- Einrichtungen > Fakultäten > Fakultät für Maschinenwesen > Institut für Mechatronik > Lehrstuhl für Automatisierung und Informationssysteme (Prof. Vogel-Heuser) > 2011

entries: