

Case Studies: Abbildung von Personal in der Simulation von automatisierten Intralogistik-Systemen

Case Studies: Modelling of Workers in the Simulation of Automated Intralogistics Systems

Monika Schneider, RSE+ Fabrik Logistik GmbH, Stuttgart (Germany)

Abstract: This case study gives three different examples, how workers have been included into simulation models of intralogistics systems. In the first example the focus has been on the performance of an AGV system. Here, the workers are interrupting the system as they are serving the exchange stations and as they are walking along the same paths. In the second example there are two targets of the simulation study in confirming the throughput of the automated system and confirming the number of employees calculated in advance. The third study focusses on the inbound and picking processes in a shelve racking in order to find the optimal strategies of picking, so that the workers are effective and the delivery is on time.