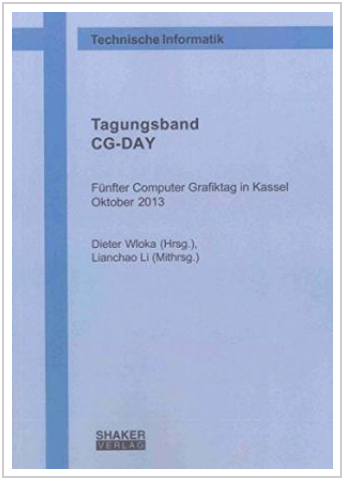

Tagungsband CG-DAY : Fünfter Computer Grafiktag in Kassel Oktober 2013

By Dieter Wloka

Shaker Verlag Dez 2013, 2013. Taschenbuch. Condition: Neu. Neuware - This thesis presents an approach for analyzing construction operations with micro tunnel boring machines (MTBM) utilizing process simulation. The goal is to develop an appropriate and adaptable simulation module for microtunnelling construction operations. It helps to analyze the processes and to identify the factors, which influence the operation productivity of the construction process essentially. In addition, the influence of different soil conditions and of disturbances on the productivity of microtunnelling operations have to be determined. In view of these objectives, a System Modeling Language (SysML) model describing the microtunnelling process is developed in the first step. The simulation model consists of three types of diagram: block definition diagram (bdd), state machine diagram (stm) and sequence diagram (sd), which are supported in the SysML. The simulation model is used to analyze and understand the entire process involved in microtunnelling construction and identify the model variables for which information needs to be collected. Subsequently, the simulation software AnyLogic is applied to create the MiSAS (Microtunnelling: Statistics, Analysis and Simulation) simulation module based on the SysML formalization. The implementation of the proposed methodologies, utilizes discrete event simulation (DES) and system dynamic (SD) modelling....

Reviews

The publication is great and fantastic. It is packed with knowledge and wisdom You will like how the article writer publish this publication.
-- ***Mrs. Alta Kling V***

Simply no terms to explain. I am quite late in start reading this one, but better then never. Its been written in an remarkably easy way and is particularly merely soon after i finished reading this book where basically changed me, affect the way i really believe.
-- ***Prof. Jedediah Kuhic DVM***