

LICENTIATSEMINARIUM

A Theoretical Base for the Simulation of Information Systems - Isomorphically Acted Organization Scenarios

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Abstrakt

Information is an important commodity in the modern organization. To support the internal flow of information, the organization's information system is important. Thus, designing the information system becomes an important task when planning an organization. However, most systems development method today are prescriptive and do not include predictive measurements. Without a predictive measurement, it is difficult to know in advance if a planned information system is likely to be efficient. One way to get a prescriptive measurement would be through simulating the intended information system. This thesis suggests a theoretical framework for supporting the construction of such a simulation. The important entities are analyzed and operationalized in order to be possible to represent in a simulation. The topic of simulation itself is addressed. A theoretical foundation for managing the complexity of a simulation such as this is presented, based in notion of isomorphic equivalence. A framework with operationalizations of the important entities of an information system is presented as the main result of the thesis.

Kopior

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