



User Interface Generation from
Task, Domain and User Models:
DB-USE Approach

Thi Ai Vi TRAN

Information Systems user interface generation from declarative models has been the focus of numerous and various approaches in the human computer interaction community. Typically, the different approaches use the different models based on their singular aspects. This thesis proposes a new process that combines the task, domain, and user models taken together to drive the information system user interface design and code behind generation. We propose a framework, i.e., a methodological process, a meta-model and a software prototype called DB-USE.

Thi Ai Vi Tran was born in Vietnam. She has been a research assistant for the Information Systems Research Unit (ISYS) at UCL - Louvain School of Management since 2006. She received a master degree in Information Technology from the University of Natural Sciences in Ho Chi Minh City, Vietnam. She worked as a software engineer in different IT companies during six years before starting her PhD. As a research assistant, she has worked on the TranslogisTIC project for the Center in Supply Chain Management at LSM, aimed at developing an efficient multimodal transport system. She is currently working on different projects related to the design and development of User Interfaces and Human Computer Interaction.

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