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Einladung zum Vortrag

User-centered Evaluation of Human-Robot Interaction: The USUS framework

von

Dr. Astrid Weiss

University of Salzburg

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ABSTRACT

This talk presents a theoretical and methodological evaluation framework for the assessment of human-robot interaction with humanoid robots in terms of Usability, Social Acceptance, User Experience, and Societal Impact - the USUS evaluation framework. In the beginning the theoretical and methodological evaluation framework will be presented which is based on a multi level/ indicator approach and thus defines all evaluation factors and indicators and the methods with which those can be addressed during the evaluation process. Afterwards an overview on application scenarios will be given, by the means of eleven case studies, conducted within the USUS framework. As a piece of exploratory research, the conducted case studies cannot guarantee a holistic validation of the theoretical and methodological evaluation framework, but the guideline-based application of the evaluation framework can positively influence the design process in Human-Robot Interaction projects. Thus, subsequently the feasibility and limitations of the framework will be discussed.

BIOGRAPHICAL INFORMATION

Astrid Weiss is a postdoctoral research fellow in HCI at the HCI&Usability Unit, of the ICT&S Center, University of Salzburg, Austria and she is also part of the Christian Doppler Laboratory on Contextual Interfaces at University of Salzburg. She holds a master's degree in sociology and a PhD in social sciences from the University of Salzburg. During her studies she specialized on methodologies of empirical social research and applied statistics. Her current research focuses on user-centered design and evaluation studies for Human-Computer Interaction and Human-Robot Interaction. She is especially interested in the impact technology has on our everyday life and what makes people accept or reject technology.

WEITERE INFORMATIONEN

Ao. Univ.-Prof. DI Dr. Markus VINCZE, Institut für Automatisierungs- und Regelungstechnik,
vincze@acin.tuwien.ac.at, Tel. 58801 - 376611