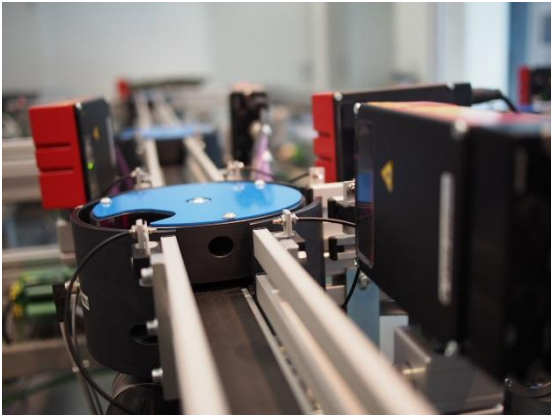




Efficient and AI-Assisted Software Migration for Human- Machine-Interfaces (SA/MA)

Lehrstuhl für Automatisierung und
Informationssysteme
Technische Universität München
Prof. Dr.-Ing. Birgit Vogel-Heuser



Task Description:

Human Machine Interfaces (HMI) are essential for the operators of complex machinery. Our industry partner Harro Höfliger is currently in the process of migrating their HMI software to a different framework in order to fulfill growing customer requirements.

Large-scale software migration processes not only involve a lot of manual labor, they also pose risks as well as provide opportunities for improving old historically grown software.



Source: <https://hoefliger.com/>

Together with the experts from Harro Höfliger you will:

- Find and test strategies to automate manual tasks in the migration process with the help of current advancements in Artificial Intelligence, such as Large Language Models
- Develop and find metrics to assist the developer
- Define helpful rules for future migration processes

If you are interested or have any questions, please refer to the E-Mail address below.

Preliminaries:

- Extensive knowledge in VSTA, C# and .NET framework
- Fluent in German
- Independent and self-reliant work ethic



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