The Chair for Information Systems (Prof. Dr. Helmut Krcmar) offers an IDP:

**Microsoft HoloLens: Building an augmented reality application to support maintenance technicians**

Augmented Reality is one of the leading technologies to enrich real life with contextual relevant background information. While there are various possibilities in the domain maintenance, technologies such as the Microsoft HoloLens have not been applied to their full potential. Thus, using augmented reality, a completely new application area arises: E.g. mechanics are able to interact hands-free with machines in their daily work while being supported by real-time information from the Smart Glasses. However, with the implementation of technologies in this field, challenges regarding the use, acceptance and perceived helpfulness occur. Moreover, especially for small and medium-sized enterprises, possibilities of digitalization of flexible service processes is currently lacking.

The goal of the IDP is to implement an application for the Microsoft HoloLens that helps maintenance technicians in their daily routine. As a team member, you will have the opportunity to work with a cutting edge technology in an emerging field of research.

Possible tasks
- Requirements engineering
- Implementation of selected features
- Cooperation with other team members
- Testing and documentation of the system
- Field tests

Requirements
Experience in the following areas
- Programming skills: Unity3d and C#
- Versioning: git

Application
If you are interested in the IDP please contact Kai Klinker, providing the following documents:
- CV
- Transcripts
- Brief statement why you want to work on the project

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