

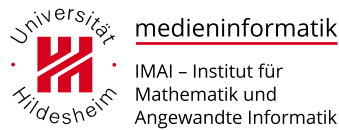
Updated: June 4, 2019

Mid-Project Presentations

Zwischenpräsentationen

Jörg Cassens

Lab Course Media Informatics



1 Opening

Course Requirements

1. Implementation of an **artefact** in media informatics
 - Generally a software artefact
 - Other types of artefact if accepted by convener
2. **Two presentations**
 - Mid-project presentation
 - 30 minutes of presentation plus 15 minutes of discussion
 - Requirements analysis and concept done
 - End-project presentation
 - 30 minutes of presentation plus 15 minutes of discussion
 - Description of artefact and process
 - Demonstration of the artefact
3. Written **documentation**
 - Between $(15 + n * 5)$ and $(25 + n * 5)$ pages, where n is the number of group members
 - The media informatics template has to be used
 - mi.kriwi.de/templates
4. **Self-evaluation** of participants and groups

2 Groups

Smart Home

- **Architecture**
 - Integration of Machine Learning and Reasoning
 - PyCAKE and CAKE as an inspiration
 - * or fresh start
 - new sensors and actuators
- **Applications**
 - Smart Home

Group

Ghada, Han, Jan, Kai, Michael, Nastja

Automated Camera Operator

- Build a camera control for i.e. Live Streaming Lectures
- With face recognition (via Pi/Arduino)
- Recognition of movement

Group

Christina, David, Felix, Niklas, Theresa

Autonomous Driving

- **Object detection** (cars, pedestrian, etc) for autonomous driving with deep learning
- **Traffic sign detection** for autonomous driving with deep learning
- **Emotion recognition** for fatigue detection in autonomous driving with deep learning

Group

Marco, Mehran, Nils-Erik, Yannick, Yannick

Academic Writing

- **Supporting academic text production and reception**
- Building on top of the existing pipeline
 - Text-repository
 - Upload own texts
 - * Further analysis
 - Upload and analyse text you work with (references etc.)
 - Comparison with other texts
 - Visualization of key aspects
 - (Online-) support for the writing process
 - * Finding other relevant texts
 - * Support for citations
 - * Citation management

Group

Anthony Boyd, Lennart, Sebastian

3 Program

Presentations 05.06.2019

| 05.06.2019; 14:00-16:00, B 148 Spl. | | |
|--|--|-------------------------|
| 14:00 | Jörg Cassens | <i>Welcome</i> |
| 14:15 | Ghada, Han, Jan, Kai, Michael, Nastja | <i>Smart Home</i> |
| 15:00 | Christina, David, Felix, Niklas, Theresa | <i>Automated Camera</i> |

Break

| 05.06.2019; 16:00-17:00, A 102 Spl. | | |
|--|----------------------------------|-------------------------|
| 16:00 | Anthony Boyd, Lennart, Sebastian | <i>Academic Writing</i> |
| 16:45 | Jörg Cassens | <i>Wrap Up</i> |
