

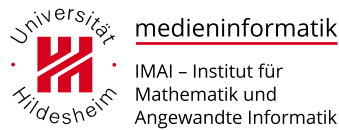
Updated: July 16, 2019

# Mid-/End-Project Presentations

Zwischen- und Endpräsentationen

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](http://mi.kriwi.de/templates)
4. **Self-evaluation** of participants and groups

## 2 Groups

### Context-Aware Management System

- **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

### Progress Bar

- **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 17.07.2019

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<b>05.06.2019; 14:00-16:00, B 148 Spl.</b>		
14:00	Jörg Cassens	<i>Welcome</i>
14:15	Marco, Mehran, Nils-Erik, Yannick, Yannick	<i>Autonomous Driving</i>
15:00	Christina, David, Felix, Niklas, Theresa	<i>Automated Camera</i>
15:45	Jörg Cassens	<i>Wrap Up</i>

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