

# Master-Seminar „Eingebettete Interaktive Systeme“

## Human Computer Confluence Why do you trust your Digital Companions?

Prof. Dr. Matthias Kranz  
Dr. Gerold Hoelzl, Felix Huppert

5805S Master-Seminar „Embedded Interactive Systems“

# ADMINISTRATIVE ORGANISATION

## Administrative Organisation | Competences

- Handling of a **well-defined academic topic** by an **individual student**
- Working out of the basics of the topic, identification of the full width of the topic, **summary and presentation of the topic** in written form  
→ **Deliverable: seminar paper**, to be written in **Latex** (8 pages)
- Working out of a presentation for **presenting and discussing the topic**  
→ **Deliverable: presentation**, to be created using **PowerPoint** (only!)
- Applying the knowledge in the context of a small-scale prototype (optional)
- Communication of **scientific practice** at the example of the seminar topic
- Extension of (topic-related) **soft skills**
  - **Presentation techniques**
  - **Scientific writing / technical writing**
  - **Scientific search and research**

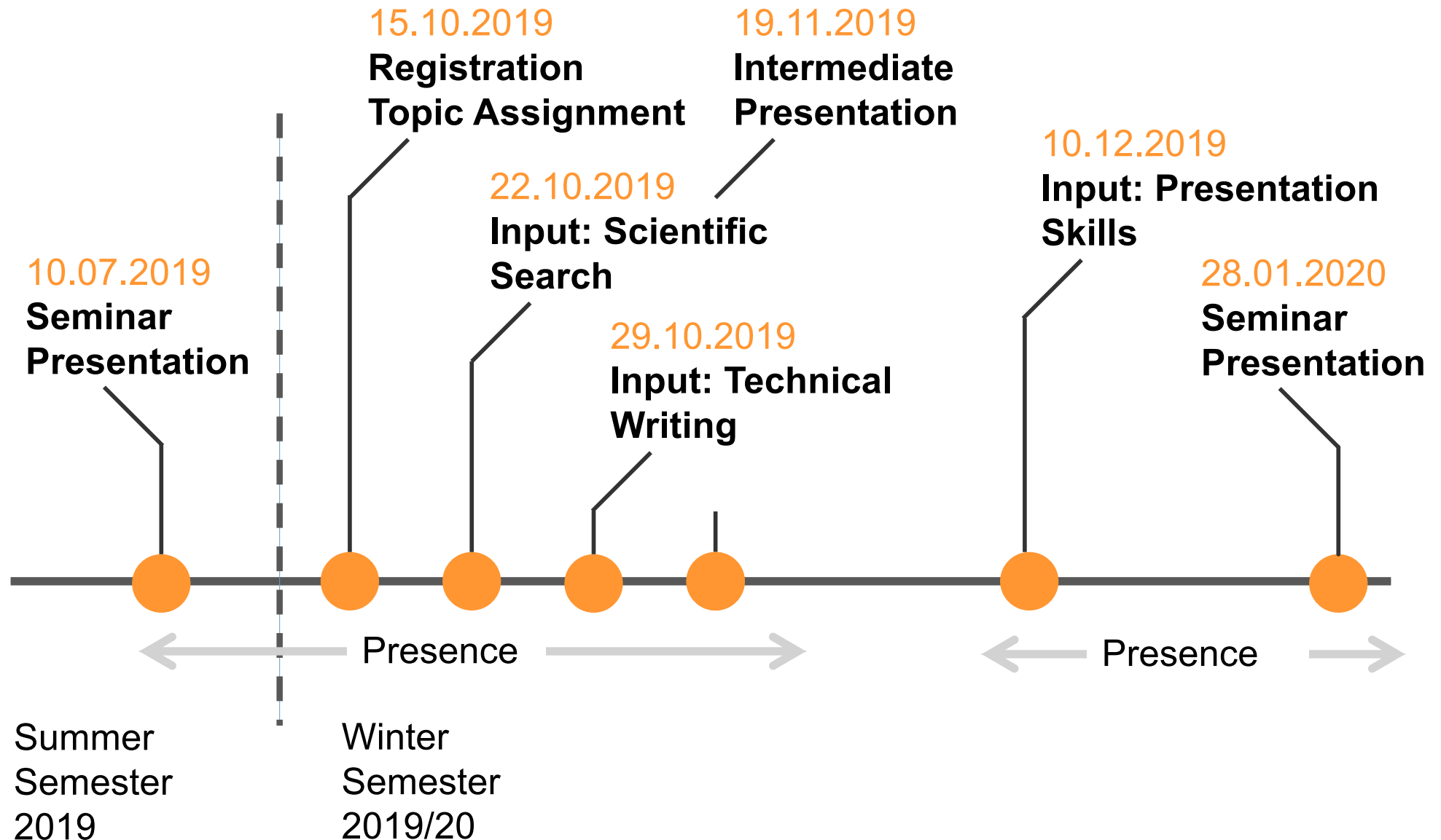
# Administrative Organisation | Deliverables

- **Language : GERMAN**
- **Deliverables** (master seminar/bachelor seminar):
  - **Presentation** of an intermediate state of the research on a well-defined scientific topic (10 minutes) to facilitate topic development
  - **Written seminar paper** (8 pages/6 pages), in Latex (only)
  - Optional: **prototype development** (clickable, paper, video, etc.)
  - **Presentation** a well-defined scientific topic (**10 - 15 minutes**)
  - **Presentation** slides as PowerPoint (only)
  - **Language: German or English**, up to the student
- **Grading:**
  - Grading of the written **seminar paper**
  - Grading of the **presentation and the presentation material**
  - Grading of the **prototype** (if part of the deliverable)
  - **One joint grade** will be formed from all intermediate grades.

## Administratives Organisation | Course Details

|                                |   |
|--------------------------------|---|
| <b>Course number and name:</b> | <b>5805S</b><br>Master-Seminar "Embedded Interactive Systems"   |
| <b>Course timeline:</b>        | <ul style="list-style-type: none"><li>• <b>presence-based teaching</b> at the beginning</li><li>• <b>free organisation of supervisor meetings</b> during the semester</li><li>• <b>presentation of results at the end</b></li></ul> |
| <b>Workload and Credits:</b>   | 2 SWS (hours per week), 5 ECTS (PO 2016 or later)<br>not accountable for earlier FStuPOs  |
| <b>Date &amp; Time</b>         | Tuesdays, 12:00 o'clock (c.t.) for presence appointments<br>Individual negotiation for supervisor meetings  |
| <b>Accountable for</b>         | Master Computer Science (Focus: InfKomm or ITS)<br>as mandatory seminar for these areas   |

# Administrative Organisation | Preliminary Timeline



5805S Master-Seminar „Embedded Interactive Systems“

# PRESENTATION OF TOPICS

# Presentation of Topics | Guiding Topic: Why do you trust your Digital Companions?



Prackenbach Gehen

Eventtyp: Nicht klassifiziert ▾ Strecke: -- ▾ Ausrüstung: [Hinzufügen](#)

8,07 km

Distanz

1:47:22

Zeit

13:18  
min/km

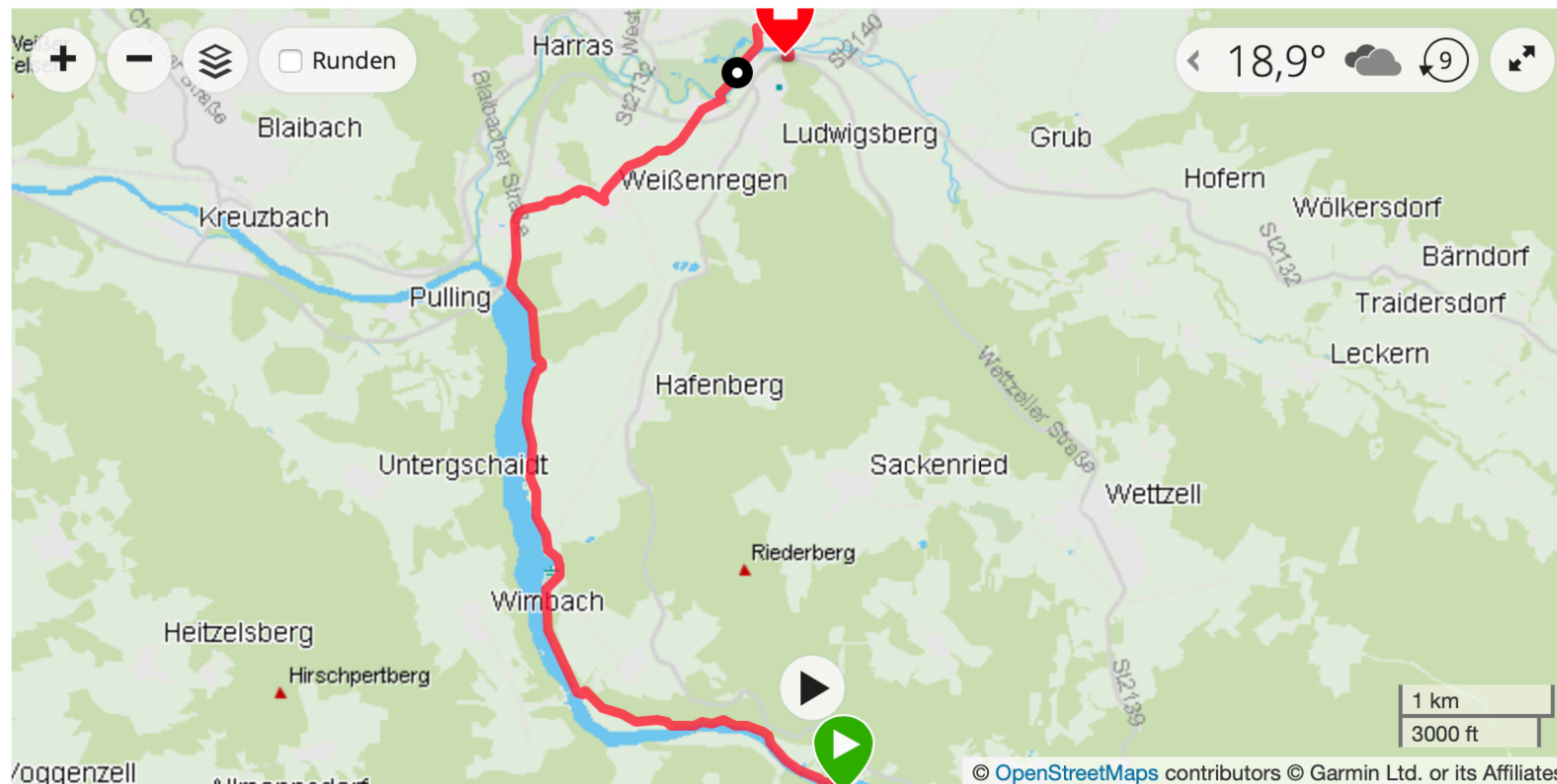
Ø Pace

92 m

Positiver  
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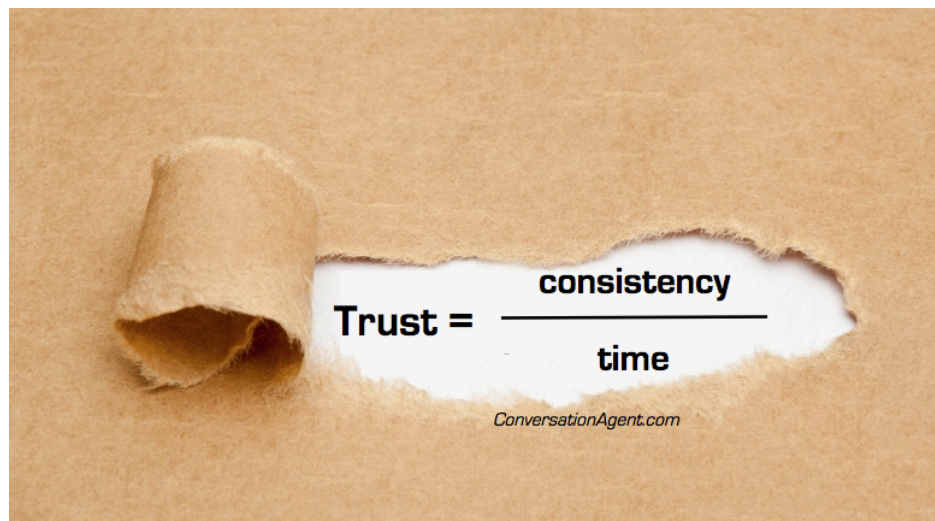
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Kalorien

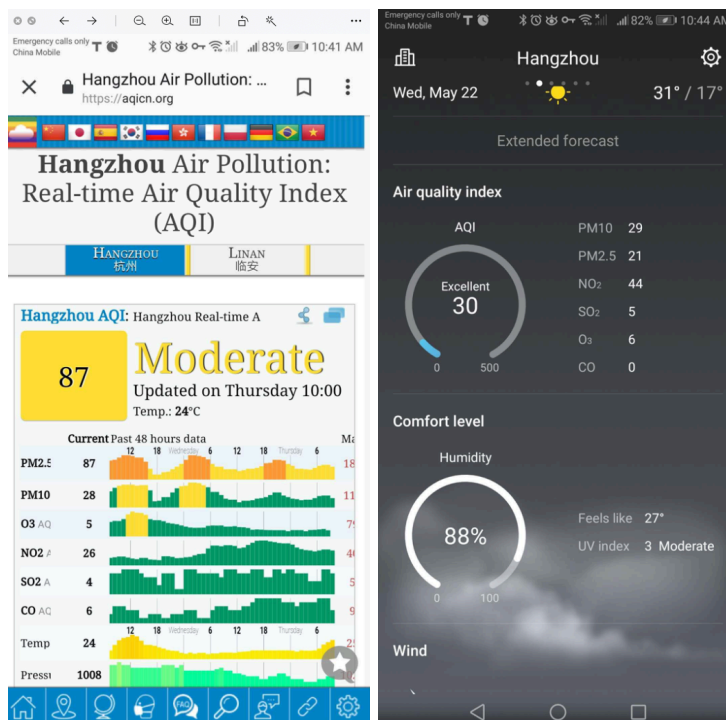
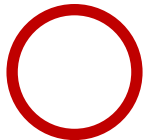




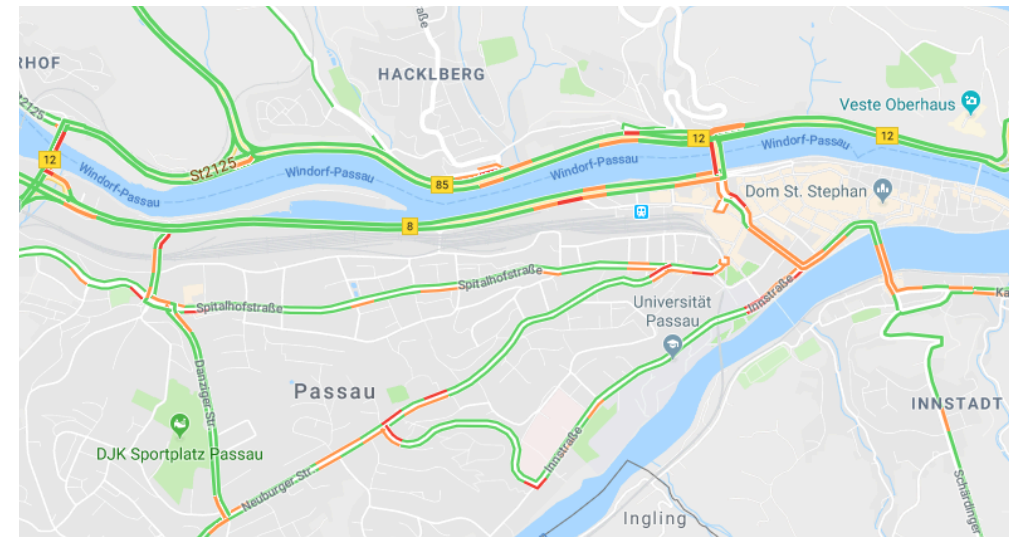
# Presentation of Topics | Guiding Topic: Why do you trust your Digital Companions?



# Presentation of Topics | Guiding Topic: Why do you trust your Digital Companions?



Air Quality Index based on different Scales



Traffic Jam Indication on Google Maps

# Presentation of Topics | Guiding Topic: Why do you trust your Digital Companions?

1. Sports, e.g. step counter, fitness data, ...
2. Mobility, e.g. electric vehicle's battery indicator
3. Nutrition and wellbeing, e.g. calorie intake, amount of drank water per day, ...
4. Social Platforms / Media
5. ...

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## Trust in and Perception of Computer-Generated Data

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