

## Questions from the first exam WS2018/2019

Five out of seven questions had to be answered to score 100 points

1. Name late and early fusion strategies in multi modal systems. You can provide examples.
2. Define multimodal interaction and provide examples. In which conditions are they useful?
3. What is the motivation for machine learning and why it doesn't work compared to standard software engineering?
4. Name 2 Modalities to enhance speech recognition systems.
5. Define gesture. Why does it help in multi modal systems. Name 3 observations why they are part of speech.
6. Explain the Markov and Hidden Markov Model differences and give n example usage.
7. How can Electromyography be used to enhance automatic speech recognition? What are the challenges and in which environments is it useful?