



# ACM in SDR based satellite communication

Bachelor/Master/Practical

## *Adaptive Coding & Modulation:*

ACM allows adaptive change of modulation and coding, depending on the instantaneous SNR

### *Tasks:*

- Protocol implementation and signal analysis
- Intelligent algorithm for switching between coding and modulation
- Hardware integration & test campaign

### *Prior knowledge:*

Programming (C++, Python, Matlab, etc.), Signal Processing, HamRadio

### *Contact*

Alexander Kleinschrodt (kleinschrodt@informatik.uni-wuerzburg.de)

Andreas Freimann (freimann@informatik.uni-wuerzburg.de)

