Bachelor and Master Thesis

Extension of Simulation Environment for Networked Control Systems

- **Background:** Coupling of Matlab/Simulink and a network simulator (OMNeT++) for the simulation of networked control systems
- Matlab/Simulink - Simulation of continuous time (physical) system and control algorithms
- OMNeT++ - C++ framework for event-based simulation of communication networks
- **Goal:** Extension of an existing co-simulation framework for the coupling of Simulink and OMNeT++
- **Requirements:** Programming skills in Matlab/Simulink and C++
- Bachelor project, master project or master thesis (scalable)
- Contact: Markus Tranninger

---

**Figure:** Networked Control System (NCS)

Institute of Control and Automation