

Optimal State Estimation in Networked Control Systems

- Literature Research
- Development of concepts for optimal state estimation under different communication protocols (e.g. UDP, TCP)
- Evaluation in a simulation environment
- Implementation on a experimental laboratory setup
- Master project or master thesis
- Contact: Markus Tranninger, Martin Steinberger

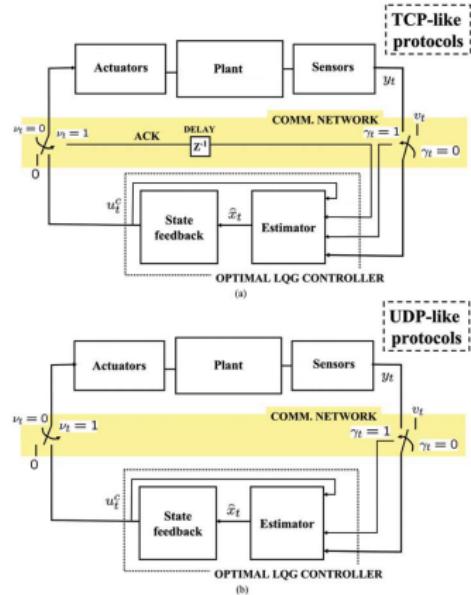


Figure: Different configurations for networked control systems (NCS) from [1]:
 (a) TCP-like protocols
 (b) UDP-like protocols

[1] L. Schenato, B. Sinopoli, M. Franceschetti, K. Poolla and S. S. Sastry, "Foundations of Control and Estimation Over Lossy Networks" in Proceedings of the IEEE, vol. 95, no. 1, pp. 163-187, Jan. 2007.