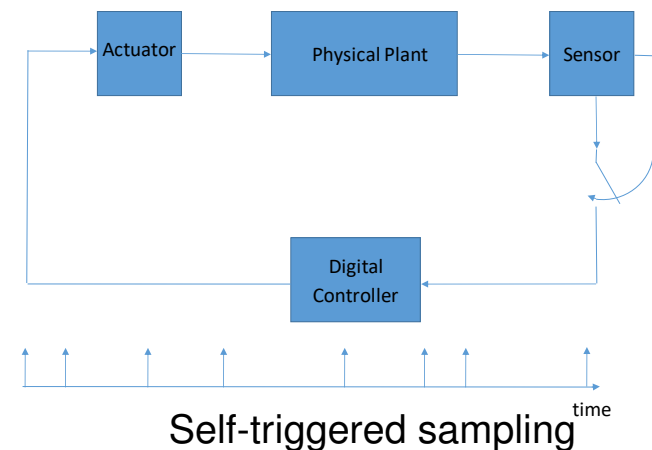
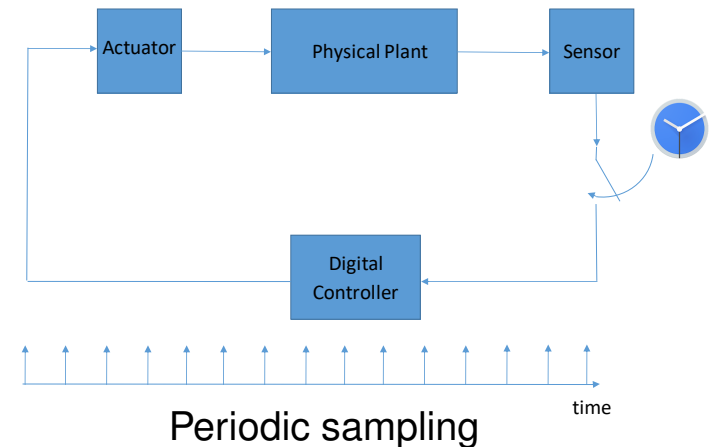


Self-triggered control in cyber-physical systems

- Constraints in resource-aware control systems: computational time, shared computational platform, actuator limitations, battery power
- Shift from periodic to aperiodic sampling: only act when needed!!
- This seminar focuses on:
 1. Studying methods in literature that design self-triggering sampling strategies.
 2. Studying the performance of the control loop with respect to disturbances when using such strategies
 3. Identifying open practical and theoretical challenges in this field



Contact: Mohammad Al Khatib
(mohammad.al-khatib@tum.de)