COT 6930 Wireless Sensor Networks

Credits: 3 credits


Reference materials: Additional articles available online (e.g. FAU digital library) may be used for the class.

Specific course information

Catalog description: This course introduces characteristics, architectures, and protocols for wireless sensor networks. Topics covered include media access protocols, routing protocols, topology control, and data-centric and content-based networking.

Prerequisites: CDA 4500 Introduction to Data Communications or another networking course.

Specific goals for the course:
Understand the basic fundamentals in wireless ad hoc and sensor networks and study various topics characteristic to these networks.

Brief list of topics to be covered:

1. Introduction
2. Network Architecture
3. MAC protocols
4. Link-layer Protocols
5. Time synchronization and positioning
6. Topology Control
7. Routing Protocols
8. Data-centric and content-based networking
9. Other topics if time allows