TUM

Ingenieurspraxis

Simulator development for LiFi-RF channel model evaluations

This work involves

- Develop a LiFi-RF simulation framework in Python and implement existing channel models and blockage models
- Extend simulator to include geometric models for objects and humans in an environment
- Evaluate the LiFi and RF channel under different mobility and blockage conditions

Prerequisites

- Strong Python programming skills
- Understanding of mobility models
- Strong foundation in wireless communication

Advisors

Hansini Vijayaraghavan