

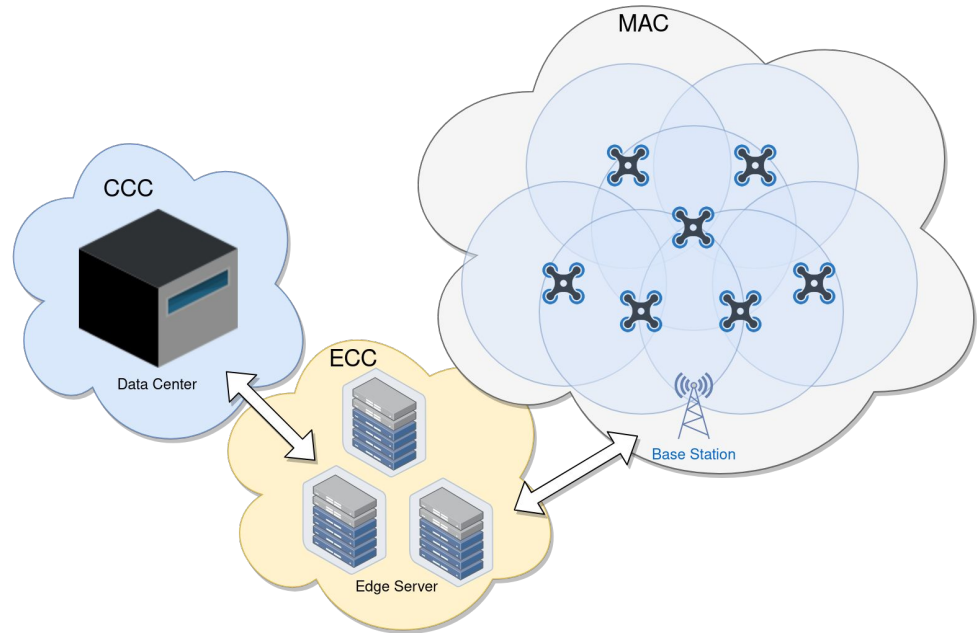


# High Performance Techniques for Scheduling and Load Balancing on Mobile Distributed Systems

Bruno Chianca Ferreira

# Research Topics

- Distributed Systems in dynamic networks
  - Emulating applications with different topologies and mobility models
  - Modeling network flow based in different applications
  - Enhancing network flow with different load-balancing techniques
- Distributed applications to support Unmanned Traffic Management (UTM)





# Testbeds

- Emulation and simulation platforms built exclusively for the project.
  - MACE
  - DNetFlow
- Aim in deploying later on a testbed such as IoTLab for validation
  - Basic experience with IoTLab based on the course: “Internet of Things with Microcontrollers: a hands-on course” from Inria