What is TSN?
- Critical, deterministic communication
- Industry automation, vehicular applications, voltage sampling, etc.

Basis of the time-triggered scheduling problem:
- VLAN tag encoded priority values
- Priority values assign packets to queues
- Gates stay open in fixed time (called time slots)
- Cyclic behavior

TSNsched (https://github.com/ACassimiro/TSNsched)
Next steps:

- Integration of TSNsched with 4diac
- Schedule validation and testing
- Implementation of software-defined application periods
- New time-efficient scheduling approaches

Flexibility and expressiveness $\Rightarrow$ freedom!