

NETWORKS AND DISTRIBUTED SYSTEMS LAB

Networked Systems Seminar

"Networked Systems Seminar" is a seminar for **B.Sc./M.Sc.** students of Computer Science (and related study programs). It is held as a scientific seminar (<https://lsf.ovgu.de/qislsf/rds?state=verpublish&status=init&vmfile=no&publishid=196542&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>).

Instructor:	Prof. Dr. David Hausheer
Assistants:	Marten Gartner, Tony John, Thorben Krüger, Lars-Christian Schulz, Robin Wehner
Hours per week:	0 + 2
Credits:	3
Kick-off Date:	Wednesday, 12.04.2023, 09:15 - 10:45 Note: The kick-off will be held online together with the SDN Lecture Introduction.
Languages:	English/German

Introductions Slides

- ▶ The introduction slides with the topics will become available after the kick off.

Course Description

The course deals with cutting edge seminar topics in the area of networked systems. The topics are selected according to the specific working areas of the participating researchers and convey technical and basic scientific competences in one or more of the following topics:

- ▶ Software-defined networking
- ▶ Network functions virtualization
- ▶ Network security
- ▶ Peer-to-peer and overlay networks
- ▶ Mobile networks, video streaming
- ▶ Energy-efficient networking
- ▶ Network simulation
- ▶ Economic aspects (network economics, incentive mechanisms)

Competencies

The ability to write a literature study in the area of software defined networking. Acquired competences are:

- ▶ Literature search, classification, evaluation, and comparison of related work for topics in software defined networking
- ▶ Writing and presentation of a literature study

Requirements

- ▶ Students of BSc/MSc CV/INF/IngINF/WIF/DigiEng
- ▶ Basic courses of the first 4 semesters are required. Knowledge of lectures Communication and Networks are recommended.
- ▶ We expect a 30 minute presentation for each topic plus 15 minutes of discussion, as well as a 10-12 page paper.