

Real-Time and Dependable Ethernet Communication

Planned course dates (2021): November 16-17 and November 23-24

Course leader and examiner: Soheil Samii

Schedule (Zoom only):

November 16

- No lectures due to many participants having conflicts this day

November 17

- 8:15-12:00 lectures (**introduction, Ethernet, AVB, TSN, packet scheduling**)
- Afternoon: reading assignment (Teener et al., "Heterogeneous Networks for Audio and Video: Using IEEE 802.1 Audio Video Bridging," Proceedings of the IEEE, Vol. 101, No. 11, 2013, pp. 2339-2354. (find the paper at IEEE Xplore or in course folder)
- By end of day, email examiner the following:
 - Your summary of the paper (roughly 1/2 page)
 - 3 things you learned
 - 3 questions that you have after reading the paper (these will be answered in subsequent lectures)

November 23

- 8:15-10 lectures (**frame preemption, time synchronization IEEE 802.1AS**)
- 10:15-12 office hours (schedule in advance)
- ~~14:15-16:00 lectures~~
- Afternoon:
 - Reading assignment: Review Kevin Stanton's 802.1AS tutorial
https://www.ida.liu.se/~sohsa65/courses/tsn-course-2021/selected%20papers/2014_07_14%20kbstanton-8021AS-tutorial-2014.pdf
 - Add your availability for final seminar. Please add all times that work, including times where you currently have commitments that are easy to reschedule:
https://doodle.com/poll/vfmhyg8fgmhtcyeg?utm_source=poll&utm_medium=link

November 24

- 8:15-12 lectures (**ingress policing, frame replication**)
- 14:15-16 office hours (schedule in advance)

Zoom link for all sessions:

Soheil Samii (LiU) is inviting you to a scheduled Zoom meeting.

Topic: Soheil Samii (LiU)'s Personal Meeting Room

Join Zoom Meeting

<https://liu-se.zoom.us/j/5603460434?pwd=eU9lVXAyZUR3NmIzOFFjcHUxSzlwQT09>

Meeting ID: 560 346 0434

Passcode: 464208

One tap mobile

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Passcode: 464208

Find your local number: <https://liu-se.zoom.us/u/ceFgwO6hAE>

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