1 Introduction

The course Image, Video, and Multidimensional Signal Processing will be offered exclusively in online format this winter semester due to Corona restrictions and a limited room capacity. Furthermore, as the lecture is given in English students from all around the world participate in the lecture. To enable you to attend the lecture and exercises even if you are affected by travel restrictions and are not in Erlangen, we agreed on holding the lecture and exercise in an online format. Besides these obvious changes we tried to keep everything as normal as possible.

2 Lecture

The lectures are pre-recorded and will be uploaded to the video portal of the university, such that they can be streamed whenever and wherever you like. Lecture notes in electronic format are provided in StudOn. You may receive a printed version of the lecture notes free of charge at the chair. Please contact Andreas Spruck in case you are interested. An interactive Q&A sessions for the lecture will be offered by zoom which will take place Tuesday 10:15 am every second week, i.e. October 26, November 9, November 23, December 7, December 21, January 18, February 1.

3 Exercise

Every exercise consists of two parts. The first part of the exercise is a traditional exercise where problems are calculated and shown on the blackboard. These parts of the exercise will be recorded as well. The videos will be uploaded and available for streaming.

The second part of the exercise is a self-study Matlab task. This part is similar to a lab-course. You can use your own computer using the Matlab license provided by the university to do the programming tasks. If this should not work out for you, we will provide an account with login credentials. You can then use computers at our lab from home via X2Go to participate in the Matlab part of the exercise. In order to register for an account and receive the login credentials, sign up by sending an e-mail to andreas.spruck@fau.de until latest 08.11.2021!

In order to log in on the computers in our lab you have to be connected to the university network via VPN using Cisco AnyConnect Secure Mobility Client. A manual on that topic can be found under:
`https://www.anleitungen.rrze.fau.de/internet-zugang/vpn/`

In order to log in on a computer at the student lab enter a hostname between lms41-30.e-technik.uni-erlangen.de and lms41-44.e-technik.uni-erlangen.de. Use your login credentials as Login and enter the password when asked. Use MATE as session type. It is important that you **log out of MATE** before you close X2Go to prevent the computers from slowing down by too many sessions. Never shut off the computers!

We tested the environment using version 4.1.2.0 of X2Go. The version can be downloaded under following link:
`https://code.x2go.org/releases/binary-win32/x2goclient/releases/4.1.2.0-2018.06.22/`

For questions regarding the exercise a StudOn forum will be provided. Please use this forum to exchange with your fellow students if questions with exercise problems arise.

As an additional offer a Zoom meeting will be hosted during the regular time slots of the exercise on Monday at 10:15 on the dates provided in the time table. You can use this time to ask questions if you get stuck and the forum can't help you out.

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