Transmissão de Informação Multimédia

MEEC 2022/2023

Lab 8	**RTP streaming**
Duration:	3 lab classes

This lab work is based on a work proposed by Kurose and Ross in the 8th edition of their textbook "Computer Networking – A top-down approach".

Due to the complexity of the work it will be done by teams of students with up to three people.

1. Study Kurose's practical work description found in the accompanying "VideoStreaming.pdf". file.
2. Study the code provided in zip file "VideoStreamingCode.zip". After unpacking you'll have a folder with several python files and a movie in MJEG format.
3. Complete the streaming solution by writing the code missing in "RtpPacket.py" to insert the video information and correct header info into the RTP packets.
4. Once you have fully debugged the code, setup a streaming session following the examples provided in "VideoStreaming.pdf" and play with the software.
5. Repeat the previous point, streaming the video, while at the same time using Wireshark to capture the RTP and RTSP packets. Find the packets that contain the session control commands and record their values.
6. Prepare a detailed report describing all the work and experiments performed and submit it through inforestudante.