

# Dissertação de Mestrado em Engenharia Informática (2015/2016)

**Title:** Assessment of the performance of a special User Datagram Protocol.

**Supervisor:** Prof. Nuno M. Garcia

## Summary

The User Datagram Protocol is a protocol proposal that counts on transmission of from one specific port to another specific port. This proposal will focus on building a simulation platform for different types of UDP transmission methods.

## Objectives

The main objective of this research is to assess the performance of a modified UDP. The dissertation work will consist in the evaluation of existing network simulators in view of the requirements of the modified UDP protocol, and eventually in the adaptation / development of a new simulator to assess the efficiency of the new protocol.

## Tasks

- T1 – Technological background study;
- T2 – Review the State-of-the-art;
- T3 – Adaptation / development of a simulator;
- T4 – Performance assessment of the modified protocol;
- T5 – The writing of the dissertation.

## Expected result

In this research work the following deliverables are expected:

- A conference paper describing the process;
- The dissertation.

## Timeline

	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
T1	X	X									
T2		X	X								
T3			X	X							
T4				X	X	X	X				
T5							X	X	X	X	