REPUBLIC OF MACEDONIA
Ss. Cyril and Methodius University in Skopje
Faculty of Computer Science and Engineering
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Final project proposal

Type	Master/Undergraduate
Title	***Network modeling and performances***
Supervisor	Assist. Prof. Sonja Filiposka
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Department / Group
Institute for Information Systems and Network Technologies – FCSE

Topic(s)
Networks, simulation, modeling, performances, complex networks

Project can start from	01.09.2014
Project duration	4 months

Short description
The goal of the project is to model and evaluate a given network behavior from the performances point of view, but also how it impacts other network parameters like traffic characteristics, but also energy efficiency, cost, etc. The observed network can be wireless ad hoc or sensor network, a cloud data center with several virtual networks, or a multitude of networks interconnected via common network services. The investigations include overview of previous work, modeling of the network behavior using complex network theory, simulations using network simulators or statistical software packages and results evaluation.

Results and assessment
A written report and oral presentation are going to be the basis for assessment of the student's efforts.

Other (additional) information