Master Thesis Subjects

Title: Performance evaluation of wireless broadband networks

Location: University of Greenwich

Home Department: Computer & Communications Engineering

Contacts: Professor Kamran Arshad (K.Arshad@greenwich.ac.uk)

Targeted trainer: Master

Duration: 6 months.

Context: Performance evaluation, appraisal or review is practically the procedure of measuring the efficiency of something generally. Certain performance parameters have to be set, so as to be able to measure and compare different performances. Network performance refers to measures of service quality of a telecommunications product as seen by the customer. There are many different ways to measure or model the performance of a network, as each network is different in nature and design.

Objectives: In this context, the proposed master thesis is aimed to study, design, implement and finally evaluate the performance of wireless broadband networks. The main focus shall be placed on the parameters that will have to be defined, so as to efficiently and realistically measure or model the performance of wireless broadband networks. Demonstration sessions and measurement/ modeling procedures will take place in the context of the master thesis, so as to verify the designed system and the proposed parameters. The end of the master thesis will be devoted to the preparation of the report summarizing the performance evaluation results and a research paper to be submitted for publication.

Expected competencies:

- Autonomy in programming and computing lab experimentation
- Good knowledge in networking / telecom
- Ability to quickly grasp the context and content of design features.
- Good background in Mathematics/Statistics and knowhow of Matlab

Για περισσότερες πληροφορίες παρακαλώ επικοινωνήστε με τον κ. Παναγιώτη Δεμέστιχα (pdemest(-at-)unipi(-dot-)gr) και τον κ. Κωνσταντίνο Τσαγκάρη (ktsagk(-at-)unipi(-dot-)gr).

Title: Performance evaluation of mobile broadband networks

Location: University of Greenwich

Home Department: Computer & Communications Engineering

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Targeted trainer: Master

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