

SUMMARY

This proposal has been prepared in response to the announcement of the deanship of Scientific Research at King Fahd University of Petroleum and Minerals (KFUPM).

The proposed work intends to study the behavior of interfering flows under TCP/UDP traffic over wireless ad hoc networks taking into consideration all possible interactions. The study will characterize using simulation the effect of these interactions on different performance measures and in particular, fairness and throughput.

The research proposal intends to evaluate these interactions under both TCP and UDP flows and demonstrate how the problems are compounded or maybe potentially fixed under a TCP flow. Ns-2 simulation will be built to conduct this study.

This project shall serve network designers and researchers. The study intends to put forward issues to consider while designing/deploying wireless ad hoc networks.