



"QoS in Heterogeneous Wired and Wireless Networks"

Prof. Ben-Othman, IEEE Comsoc distinguished lecturer

CONFERENCE HIGHLIGHT

Date:

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Time:

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Location:

INAOE, Centro de información

Event Organizers:

**IEEE ComSoc
Puebla Chapter**

Wireless and mobile networks have many advantages as easy deployment, user mobility and provides network access to users regardless to their locations. The most critical issues that arise in those networks are on the resource allocations as the bandwidth is limited, the propagation (multi-path, fading, distortion) and security since communications are transmitted over radio waves. In this seminar I will present several works done to model/Improve Quality of Service in Wireless networks. Three different methods will be presented in this lecture. In the first part a new model based on Markov chains is presented to model the different service classes defined in IEEE 802.16. The second part I will present a new AC that we have defined for IEEE 802.16 and we have evaluated using Stochastic Automata Networks. Finally I will present a stochastic model that for admission control in wireless networks using IEEE 802.11 standard.

More about Prof. Ben-Othman:

<https://www.comsoc.org/distinguished-lecturer/jalel-ben-othman>