

Invited Talk – *Massoud Pedram* – University of Southern California,
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Power-aware On-demand Routing Protocols for Mobile Ad Hoc Networks: Ad hoc wireless networks are power-constrained since mobile nodes operate with a limited supply of battery energy. To maximize the lifetime of these networks, network-related transactions through each node must be controlled such that the energy supplies of all nodes are exhausted at nearly the same time. This talk describes a number of source-initiated routing protocols for mobile ad hoc networks that achieve this objective and hence tend to increase the network lifetime. Network simulation results are presented and discussed at length.