Ad hoc wireless networks are multi-hop networks in which mobile nodes cooperate to maintain network connectivity and perform various functions including routing. This talk focuses on two different views of mobility in ad hoc wireless networks. One view casts mobility as an undesirable feature. This view normally represents an ad hoc wireless network as a traditional proactive maintenance of link state information to ensure connectivity. Another view considers mobility as a desirable feature which can increase network capacity and even assist the routing process. We offer our views on these two approaches and discuss some recent results on mobility-mitigation mechanisms, including buffer zone and view consistency. Finally, we present some future directions of this area and their potential role in the GENI initiative.

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