**Reliable Topology Design in Time-Evolving Delay-Tolerant Networks – by Yu Wang**

Delay tolerant networks (DTNs) are becoming a topic of research due to their wide applications in various challenging environments. Previous DTN research mainly concentrates on information propagation and packet delivery. However, with possible participation of a large number of mobile devices, how to maintain efficient and dynamic topology becomes crucial. In this paper, we study the topology design problem in a predictable DTN where the time-evolving topology is known a priori or can be predicted. Delay or disruption tolerant networks have been used for a wide range of applications to provide robust data communications in challenging environments, such as pocket switched networks, vehicular ad hoc networks, mobile sensor networks, mobile social networks, disaster-relief networks, or space communication networks. In DTNs, the lack of continuous connectivity, network partitioning, long delays, unreliable time-varying links, and dynamic topology pose new challenges in design of DTN network protocols.

Question: with the increased use of wireless devices and wireless network there is always the issue of connectivity and reliability of network. How do we use the Delay-Tolerant Networks to deal with this problem?