

Title : Position Information Dissemination in Vehicular Ad hoc Networks
Presenter : Parineeth Muni Reddy
Time : 10---12AM, 2007-01-12
Venue : MR3, SOC1 (Level 5)

Abstract:

In this talk, we study position information dissemination in vehicular ad hoc networks. Position information is pivotal for routing in vehicular networks. Knowing the position of neighboring vehicles can help in preventing accidents. Using simple periodic broadcasting of position messages can consume a major portion of the available bandwidth. We study the distance based scheme and velocity prediction scheme for disseminating position information and theoretically analyze their worst case performance. The theoretical analysis and results from simulations show that the velocity prediction scheme significantly outperforms the distance based scheme and periodic broadcast schemes.