

Seminar Talk

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3:00 p.m. KH 224

Title: Message Coverage Maximization in Infrastructure-Based Urban Vehicular Networks

Abstract:

The success of vehicular networks is highly dependent on the coverage of messages, which refers to the trajectory of messages over time. Many of the existing works primarily performed in 1-D environments and merely focused on vehicle-to-vehicle communications to enhance the coverage in a given road network. Consequently, there still lacks a clear comprehension of using road infrastructures to improve message coverage in 2-D environments. In this talk, I will present a message coverage maximization algorithm (MCMA) that carefully deploys the roadside units to achieve the maximum message coverage in a 2-D environment. We first derive the an-