Talk Title: **Moving Object Databases**

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Venue: 209, Comp. Sci. Bldg

Time: Oct' 30th Thursday, 12:30 to 1:30pm

 Abstract:

With the rapid developments in positioning technologies and wireless communications, tracking of continuously moving objects has become feasible in terms of technology and implementation cost. As a result, many location-based services are emerging, such as finding the nearest restaurant and locating your family members. These applications however bring up the issue of location privacy.

In this talk, I will first present a novel type of location-based query, the density query, which reports all evidence of dense regions and can be used for traffic jam prediction. Then, I will present a framework for preserving users' location privacy when they subscribe to location-based services. Most importantly, our approach achieves privacy without degrading the quality and/or diversity of services.