Abstract:
The Internet is going mobile, and indications are that the mobile Internet will be "bigger" than the conventional Internet. Due to aspects such as user mobility, much more varied use situations, and the form factor of mobile devices, context awareness is important on the mobile Internet. During the past decade, the speaker has been engaged in research aimed at enabling geo-spatial context awareness on the mobile Internet, such as outdoor and indoor tracking, user-generated indoor positioning, destination and route prediction, location and query privacy, and continuous query and update processing. This talk aims to offer an overview of some this research.