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Title: Security and Privacy in Smart Cities

Abstract

For the last decades, big cities have been facing an increase in the urban population and an unprecedented natural resources shortage. The integration of advanced technologies into cities infrastructure has emerged as a promising solution to reduce living costs, improve the efficiency of delivered services, and ensure the quality of life expected by citizens. Smart Cities are therefore working to transform different areas of daily life by handling sectors such as health care, energy, education and transportation. In this urban paradigm, all devices and services are connected to the Internet network. The advent of Smart Cities and this ubiquitous interconnection raises however many concerns in terms of security, reliability and privacy. The research presented in this seminar focuses on security and privacy-preserving mechanisms in the context of Intelligent Transportation Systems. In particular, two major challenges inherent in vehicular environments are addressed, namely, location authentication and location privacy.