The first international Workshop on Security Issues in the World of Smart Cities (WSIWSC 2019)

Held in Conjunction With The IEEE Smart World Congress

19-23 August, 2019

De Montfort University - Leicester, UK

Overview

The World of Smart Cities approaches as technology evolves. Researches have been done, development has been made in several countries. It will be matter of course in a Smart City the transport will be autonomous. Theoretically, autonomous transport has smaller hazard of accident because statistics show that most accidents caused by human mistakes, but it worth to think about situations that can be dangerous in autonomous transport. Car manufacturers have already marketed their semi-self-driven automobiles. Utilizing AI for developing autonomous vehicles has been an obvious choice as making decisions based on continuously flowing vast amount of information from different sensors requires fast processing.

The autonomous transport in Smart City can use by decision making extra information from the sensors of road, traffic lamp and so on and it will be based not just on a communication between the vehicles. On the one hand it can make the decision of AI more established but on the other hand the information from different source open the door to modify the decision of AI to make accident, traffic jam or terror event. The aim of the Workshop is to is point out those situations and scenarios in which the communication in Smart City could be hacked, self-driven cars could be hijacked, misguided, captured, or even influenced to turn against other vehicles.

The Workshop on Security Issues in the World of Smart Cities provides a platform for the dissemination of recent research efforts that explicitly aim at addressing these challenges. It supports the presentation of solutions for Smart City, Autonomous Transport, usage of Artificial Intelligence in decision making and the associated middleware which have been exploiting the advances in Smart City technologies.

Topics of Interest

The Security Issues in the World of Smart Cities workshop calls for contributions that address fundamental research and system issues in Smart City, Autonomous Transportation, Artificial Intelligence, but not limited to the following:

- Safety technologies in automonous transport
- Teaching method of artificial intelligence
- Sensors in Smart City
- Traffic system in Smart City
- Security systems of autonomous transport
- Teaching methods of self-driving cars
- Decision support system in Smart City
- Decision support in self driving cars

- Protection of predestrians in Smart City
- The role of cyclist and motorcyclist in the traffic in Smart City

Submission & Deadlines

Submissions due: 26 April, 2019

Notification of acceptance: 10 May, 2019

Camera-ready papers due: 19 May, 2019

Submissions

All papers should be of up to 6 pages including all figures, tables, and references. At most 2 additional pages with the pages overlength charge. Papers need to be prepared according to the IEEE CPS format via IEEE Manuscript Templates for Conference Proceedings. All accepted workshop papers will be included in the proceedings published by IEEE-CS Conference Publishing Services. The papers should be submitted through the Easychair conference management system. Authors of accepted papers, or at least one of them, are requested to register and present their work at the conference, otherwise their papers will be removed from the digital libraries of IEEE CS after the conference.

Special Issues

High-quality papers will be invited, after consolidation, to be published in special issues of appropriate international journals.

Committees

General Workshop and TPC Chair

Gabor Kiss, Obuda University, Hungary

Workshop TPC members

Imre Rudas, Obuda University, Hungary

Valentina Balas, Aurel Vlaicu University, Romania

Masato Soga, Wakayama University, Japan

Shoji Nishimura. Waseda University, Japan

Zoltan Rajnai, Obuda University, Hungary

Okyay Kaynak, Bogazici University, Turkey

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Contact

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