



The 6th SCSW title: “Safe journey to schools”

Introduction

The problem at hand is to evaluate the level of safety (road safety) around 15 chosen schools and kindergartens in Prague 6 and their sustainability. After such evaluation and identification of all problems, the goal is to devise series of measures allowing for increase in safety of children around these schools regarding traffic and to help with environmental issues.

List of topics:

- ❖ Finding risks based on road safety inspection done in accordance to directive 2008/96/ES within the designated areas;
- ❖ Proposal of structural and organizational changes to increase level of road safety and support traffic calming effects; Variable horizontal markings;
- ❖ Other solutions of temporal changes in organization and management;
- ❖ Other sensory technology allowing the collection of necessary data (for example of drivers parking near schools and on the road);
- ❖ Utilization of technology to ensure a safe journey to school (for example, but not exclusively the problem of pedestrian crossings);
- ❖ Other means of transport (transporting children to schools) including decentralization of the logistics, moving and shifting the points where children may exit vehicles, alternatives for the last mile micromobility, ...
- ❖ Addressing environmental aspects such as use of renewable energy sources or waste management

Results

The result of working on one particular location is a complete list of changes in accordance to the topics above that ultimately increase the road safety and safety of pedestrians.

Organization

The students will work in mixed teams of 3 or 4 U.S. and Czech students (or others). The teams will present their work during a special session at the IEEE Smart Cities Symposium Prague.

Cost

~~\$ 2,000~~ Discounted \$ 1,600 participation fee includes workshop activities, lectures, accommodation in downtown Prague, cultural trip to UNESCO heritage site Lednice and IEEE Smart Cities Symposium Prague registration.



Tentative SCSW 2020 program

Mon, May 18	Departure from the U.S.
Tue, May 19	Arrival to Prague, Orientation
Wed, May 20	Workshop introduction, city tour, welcome dinner
Thu, May 21	Smart Cities lectures, work on projects
Fri, May 22	Smart Cities lectures, work on projects
Sat, May 23	Work on projects
Sun, May 24	Free day
Mon, May 25	Work on projects, site visit
Tue, May 26	Work on projects, site visit
Wed, May 27	Work on projects
Thu, May 28	Attend SCSP 2020
Fri, May 29	Project presentations at SCSP 2020
Sat - Sun, May 30-31	Trip to UNESCO Lednice-Valtice Cultural Landscape
Mon, Jun 1	Departure from Prague