

Center for Transportation, Environment, and Community Health Webinar Impacts of Transportation and Urban Systems on Health and the Environment



Smart Cities and Public Health



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Abstract

In this presentation, the speaker will begin by introducing the concept of smart cities. He will share his experience on several projects in Europe, Asia, and South America that use the smart cities implementation to promote smart healthcare. He will also discuss how technologies such as data analytics, smart sensors, wearable devices, connected and automated ambulances, virtual doctors, smart hospital rooms, etc. are being applied to crisis management, clusters identification, contact tracing, transportation of patients, automated testing, diagnosis and monitoring of patients and citizens on quarantine during a pandemic.

Bio

Prof. Dr. Ing. Miroslav Svítek, dr.h.c. received his Ph.D. in Radioelectronic at Faculty of Electrical Engineering, Czech Technical University in Prague in 1996. He is currently a full professor in engineering informatics at Faculty of Transportation Sciences, Czech Technical University in Prague. His teaching and research expertise are in the areas of theoretical telematics, intelligent transport systems, smart cities, quantum system theory and quantum informatics. He is author or co-author of more than 250 scientific papers and 10 monographs. Miroslav Svítek is the President of Association of Transport Telematics of the Czech and Slovak Republic, President of National Association for Electromobility, President of the Czech Smart Cities Cluster, and Member of the Engineering Academy of the Czech Republic.



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