2019 Smart City Symposium Prague (SCSP 2019)

Prague, Czech Republic 23 – 24 May 2019



IEEE Catalog Number: CFP19C83-POD ISBN: 978-1-7281-0498-0

Copyright © 2019 by the Institute of Electrical and Electronics Engineers, Inc. All Rights Reserved

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

*** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.

 IEEE Catalog Number:
 CFP19C83-POD

 ISBN (Print-On-Demand):
 978-1-7281-0498-0

 ISBN (Online):
 978-1-7281-0497-3

Additional Copies of This Publication Are Available From:

Curran Associates, Inc 57 Morehouse Lane Red Hook, NY 12571 USA Phone: (845) 758-0400

Fax: (845) 758-2633

E-mail: curran@proceedings.com Web: www.proceedings.com



%	A Fuzzy Dynamical Approach for Examining Driver Behavior Criteria Related to Road Safety	5
	Danish Farooq, Sarbast Moslem	
,	Analysis of the integration of individual perception and methods of evaluating Smart Cities	26
	Michaela Zachová, Tomáš Horák	
%	Application of dynamic regulation for public lighting	31
	Tomáš Tichý, Radek Pixa, Miloš Neruda.	
%+	Blockchain in Smart Cities: An Inclusive Tool for Persons with Disabilities	19
	J. Rodrigues, A. Cardoso	
&'	Comparison of Different Conceptions of Suburban Railway Transport	47
	Rudolf Vávra, Vít Janoš	
&,	Conceptual Approach for Design of an Integrated Passenger Information System	46
	Petr Šlegr, Petr Panský, Michal Drábek	
	Design of Public Transport Stops and Stations and its Contribution to Attractive and Accessible Public Transport	22
	Dagmar Kočárková, Vojtěch Novotný, Jana Jíšová	
(\$	Dynamic Public Transport in Smart City using Multi-agent system	6
	Patrik Horažďovský, Sergey Kozhevnikov, Miroslav Svítek	

()	Empirical identification of surface parameters affecting the microclimate	28
	Jakub Jura, Pavel Trnka, Martin Novák	
)%	Examination of Logical Trends in Traffic Conflicts and Traffic Accidents in the Context of Road Safety at Roundabouts	29
	Jaroslav Kácovský, Josef Kocourek, Tomáš Padělek	
)+	Framework Model in Anylogic for Smart City Ring Road Management	38
	Jana Kuklová, Ondřej Přibyl	
* &	Functional and new proposed smart solutions in public transport in the Czech republic	4
	Jiří Čarský, Karolína Zpěváčková, Denis Liutov	
*,	Impact of Autonomous Vehicles in Cities: User Perception	24
	Ondřej Přibyl, Michal Lom	
+(ITS for Smart Parking Systems, towards the creation of smart city services using IoT and cloud approaches	39
	Luis Felipe Herrera-Quintero, Julián Vega-Alfonso, Diego Bermúdez, Luis Andres Marentes, Klaus Banse	
8%	Management of Potential Conflicts between Pedestrians and Autonomous Vehicles	8
	Summair Anis, Csaba Csiszár	
, +	Multifunctional Infrastructure Corridors for Connecting Smart Cities Wolfgang Kühn	10
٠.	Pavement Rehabilitation Using 3D Measuring with the Concept of Smart City	36
	František Kekula, Martin Langr, Pavel Hrubeš	
-,	Potential of a Travel Mode Change in Smart Cities: A Review	41
	Karolína Moudrá, Michal Matowicki, Ondřej Přibyl, H. Brůhová-Foltýnová	

%)	Reflection of Smart City approaches in transport strategic planning in Czech cities	37
	H. Brůhová Foltýnová, K. Rybová and E. Vejchodská	
% %	Respecting the parking rules in city centres	35
	Jiří Růžička, Kristýna Navrátilová, Tomáš Tichý	
%/ +	RevUrb: Understanding Urban Activity and Human Dynamics	14
/U/GF	through Point Process Modelling of Telecoms Data	
	Ronan Doorley, Ariel Noyman, Zhekun Xiong, Luis Alonso, Arnaud Grignard, Kent Larson	
% <u>&</u> !	Sightseeing Navigation System for Foreign Tourists in Japanese Urban Area	2
	Kayoko Yamamoto and Pavel Vařacha	
% .	Smart and Efficient Energy Saving Systém Using PDLC Glass	48
	Hisham Alghamdi, A.H.M. Almawgani	
% (Smart Border as a Part of Smart and Resilient El Paso	25
	Miroslav Svítek, Tomáš Horák, Ruey Long Cheu, Carlos Ferregut	
%\$	Smart Grids and Software Testing Process Models	7
	Katarína Hrabovská, Nikola Šimková, Bruno Rossi, Tomáš Pitner	
% *	Smart Public Rail Transit System for El Paso	44
	Vit Janoš, Tomáš Horák, Miroslav Svítek	
%) %	Smart roads	3
	Leon Rothkrantz	
%)+	Sustainable Development of Small and Medium Sized Cities: Use of Monitoring Frameworks in Reaching the SDGs	17
	Sinziana Rasca, Jan Waeben	

16'	Virtual Reality Aided Tourism	16
	Anett Rácz, Gergő Zilizi	
%,	Worthwhile Travel Time: Design Challenges of Capturing the User Experience by Smartphone	43
	Yannick Cornet, Merrill Jones Barradale, João Bernardino, Giuseppe Lugano	