



УНИВЕРЗИТЕТ
У НОВОМ САДУ



ФАКУЛТЕТ
ТЕХНИЧКИХ НАУКА

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ИНТЕГРИСАНИ
СИСТЕМ
МЕНАѢМЕНТА
СЕРТИФИКОВАН ОД:



157. Sastanak IEEE u Novom Sadu / 157th IEEE Meeting
in Novi Sad
Obaveštenje / Announcement

Prof. Vilmos Simon, Ph.D.

Budapest University of Technology and Economics
Budapest, Hungary



u **četvrtak, 13. 04. 2017.** u maloj Svečanoj sali
(Kula III sprat) Fakulteta tehničkih nauka u
Novom Sadu, sa početkom u **12:00 h.** održati

On **Thursday, April 13, 2017**, in White Hall of the
Faculty of Technical Sciences Novi Sad at **12:00**
pm will deliver

PREDAVANJE LECTURE

INTELLIGENT TRANSPORT IN AUTOMATED CITIES

Inteligenti prevozni sistemi u automatizovanim gradovima

Abstract: There is a growing importance of ICT in profiling the competitiveness of cities. The next step for the smart city is the automated city – one that is predictive and responsive without human intervention. Such a city could avoid traffic congestion before it occurs and distribute resources, such as emergency services and maintenance, without time-consuming human decision-making. Urban mobility applications will also rely on collecting available information from sensor networks in and around the city and make the operation of public services intelligent. This will be based partially on crowd-sensing, especially in densely populated areas where insuring the appropriate number of sensing users is easier. Many crowd-sensing applications address tasks related to urban transportation systems, which include the tracking of public vehicles (buses, trams, subways and rentable bikes) or others like mapping bumps on the road to quickly inform authorities where to intervene. Public safety is another category of applications where the power of the crowd is used to indicate unusual/abnormal behaviour of people, extreme situations like riots, demonstrations and similar. However, the evolution of related technologies is still very far from finished: autonomous/automated vehicles, heterogeneous vehicular access environments, large scale deployment scenarios, application and service interoperability, security and privacy still pose serious challenges just to mention a few. The presentation will highlight the most important automated city R&D projects of the MEDIANETS Lab at the BUTE: crowd-sensing applications for crowd surveillance, UAV flocking for patrolling and intelligent parking systems.

Katedra za telekomunikacije i obradu signala, Doktorske studije: „Aktuelno stanje u oblasti“



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