

CONTEMPORARY TOPICS IN APPLIED INFORMATICS, SAFETY AND SECURITY SCIENCES AND SMART CITIES. EDITORIAL*

The issue articles concentrate on creative research of young researchers and is done in four different research environments. These four environments come from countries; Montenegro, Kosovo, India and Hungary. The research results in this journal include the following articles.

The article *Researcher's Choice or Just a Necessity? The Consequences of Publishing in a Predatory Journal* by László Berek discusses how the predator phenomenon affects those involved in scientific communication. The research aims to address the following questions: What are the detrimental impacts of predatory journals on individuals involved in scientific communication? What causes researchers to publish in predatory journals? What is the relationship between publication pressure and publishing in predator journals?

Article titled *Ranking of Hungarian Scientists Using h-index* by Gyula Mester presents the latest ranking list of the top 34 Hungarian scientists with the minimum h-index 104 in 2023. The ranking is edited using the Google Scholar database. Scientists with the same h-index are ranked by the number of citations. Orcid ID number of scientists is presented.

The article *Investigating the Use of Augmented Reality to Enhance the Indoor Running Experience on a Treadmill* by János Simon presents a research study focused on investigating the use of augmented reality (AR) to enhance the indoor running experience on a treadmill. The research goals of this study encompass three primary areas: understanding user perception and experience, evaluating physical performance improvements, and examining the impact on psychological factors. The findings of this research study will contribute to the growing body of knowledge on the use of AR in fitness and exercise domains. The results will shed light on the potential benefits and limitations of AR-enhanced treadmill running, informing the development of future applications and interventions.

Article titled *Managing Negative Emotions Caused by Self-Driving* by Dalma Zilahy and Gyula Mester presents reducing the negative emotions experienced in Self-Driving cars is key to increasing the number of users. To reduce anxiety, AI-based systems that measure the physiological response of passengers, mainly using biometric data, are used. In the future, the vehicle must be sufficiently empirical to reduce people's distrust. The potential for hacking is still one of the main sources of anxiety about Self-Driving Cars.

The article *Fuzzy Aggregators – an Overview* by Dragan Z. Saletic described deals with mathematical formalism of the process of combining several inputs into a single output in fuzzy intelligent systems, the process known as aggregation. A brief overview of the field of fuzzy aggregators is given. Attention is devoted to so called graded logic aggregators. The role of fuzzy aggregators in modelling reasoning and the way they are chosen in modelling are pointed out.

In article titled *Assessment of the impact of the Covid-19 crisis on transportation and mobility – analysis of applied restrictions* by Malak M. Shatnawi and Zoltan Rajnai research showed the mobility that the non-motorized modes such as walking, and bike riding increased during the pandemic. These changes indicate a significant shift in transport modes and travel activities. While mobility patterns are directly correlated with the spread of the COVID-19 virus.

The article *Are we ready for Smart Cities?* by Kornélia Lazányi has managed to enrich the existing body of smart cities-related literature by combining the socioeconomic and cultural aspects in the interpretation of individual choices.

Article titled *The role of Closed Circuit Television in institutional artwork protection as a subsystem of smart city* by László Lőrincz and Tamás Berek describe the essential functions of CCTV, the authors also highlight the possibilities of further particular parts of CCTV systems installed in Smart City environments in the field of the structure of Institutional Artwork protection.

The article *Autonomous cars-what lies behind the lack of readiness* by Péter Szikora and Rozália Szatmáry highlights the biggest perceived threats and their prevalence and tries to uncover why more than half of the respondents are afraid of autonomous vehicles.

The research results of article titled *Scientific research-based view in construction projects: creating intelligent infrastructure* by Dániel Tokody, Peng Zhang, László Ady, Richárd Haddad, Fatmir Azemi and Stabak Roy show us that construction projects need to improve their efficiency. According to the research, AI can be a great tool to improve project management or on-site system operation.

All the presented articles provide the careful studies of the problems, and the editors believe that the whole issue is a very interesting read.

Cordially,

Budapest, 8 August 2023

Guest editors
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