Infocommunications Journal

A PUBLICATION OF THE SCIENTIFIC ASSOCIATION FOR INFOCOMMUNICATIONS (HTE)

ISSN 2061-2079

Special Issue

EDITORS, AUTHORS Guest Editors, Authors and Co-Authors of the Special Issue on Al Transformation 1 PAPERS FROM OPEN CALL An Advanced Reactive Approach to Solve Extended Resource-Constrained Project Scheduling Problems Krisztián Mihály, Gyula Kulcsár, and Mónika Kulcsárné-Forrai 2 TaxaTreeMapper: A Novel Algorithm for Phylogenetic Ancestral 7 Towards developing a framework for automated accessibility 16 Application of Process Discovery Methods for Learning Process Modeling Erika Baksáné Varga, and Attila Baksa 24 33 Using issue tracking as a groupwork facilitator 42 Performance Evaluation of MOSM Method on Resource-Constrained Multi-Objective Multi-Project Scheduling Problems Krisztián Mihály, Gyula Kulcsár, and Mónika Kulcsárné-Forrai 53 Intelligent Intrusion Detection Systems – A comprehensive overview 61 CALL FOR PAPER / PARTICIPATION CNSM 2025 / 21st International Conference on Network and Service Management Bologna, Italy 77 **ADDITIONAL**

Guidelines for our Authors







76

SCIENTIFIC ASSOCIATION FOR INFOCOMMUNICATIONS



Who we are

Founded in 1949, the Scientific Association for Infocommunications (formerly known as Scientific Society for Telecommunications) is a voluntary and autonomous professional society of engineers and economists, researchers and businessmen, managers and educational, regulatory and other professionals working in the fields of telecommunications, broadcasting, electronics, information and media technologies in Hungary.

Besides its 1000 individual members, the Scientific Association for Infocommunications (in Hungarian: HÍRKÖZLÉSI ÉS INFORMATIKAI TUDOMÁNYOS EGYESÜLET, HTE) has more than 60 corporate members as well. Among them there are large companies and small-and-medium enterprises with industrial, trade, service-providing, research and development activities, as well as educational institutions and research centers.

HTE is a Sister Society of the Institute of Electrical and Electronics Engineers, Inc. (IEEE) and the IEEE Communications Society.

What we do

HTE has a broad range of activities that aim to promote the convergence of information and communication technologies and the deployment of synergic applications and services, to broaden the knowledge and skills of our members, to facilitate the exchange of ideas and experiences, as well as to integrate and

harmonize the professional opinions and standpoints derived from various group interests and market dynamics.

To achieve these goals, we...

- contribute to the analysis of technical, economic, and social questions related to our field of competence, and forward the synthesized opinion of our experts to scientific, legislative, industrial and educational organizations and institutions;
- follow the national and international trends and results related to our field of competence, foster the professional and business relations between foreign and Hungarian companies and institutes;
- organize an extensive range of lectures, seminars, debates, conferences, exhibitions, company presentations, and club events in order to transfer and deploy scientific, technical and economic knowledge and skills;
- promote professional secondary and higher education and take active part in the development of professional education, teaching and training;
- establish and maintain relations with other domestic and foreign fellow associations, IEEE sister societies;
- award prizes for outstanding scientific, educational, managerial, commercial and/or societal activities and achievements in the fields of infocommunication.

Contact information

President: **FERENC VÁGUJHELYI** • *elnok@hte.hu*Secretary-General: **GÁBOR KOLLÁTH** • *kollath.gabor@hte.hu*Operations Director: **PÉTER NAGY** • *nagy.peter@hte.hu*

Address: H-1051 Budapest, Bajcsy-Zsilinszky str. 12, HUNGARY, Room: 502

Phone: +36 1 353 1027 E-mail: info@hte.hu, Web: www.hte.hu