

Broňa Brejová (Ed.)

**ITAT 2016: Information Technologies—Applications and Theory
Proceedings**

**Conference on Theory and Practice of Information Technologies
Tatranské Matliare, Slovakia, September 15-19, 2016**

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Introduction

This volume contains papers from the 16th ITAT conference, which took place on September 15-19, 2016 in Tatranské Matliare, Slovakia. ITAT is a computer science conference with the primary goal of presenting new results of young researchers and doctoral students from Slovakia and the Czech Republic. The conference serves as a platform for information exchange within the community, and also provides opportunities for informal meetings of the participants in a mountainous regions of the Czech Republic and Slovakia. The traditional topics of the conference include software engineering, data processing and knowledge representation, information security, computational intelligence, theoretical foundations of computer science, distributed computing, natural language processing, and computer science education. The conference accepts papers describing original previously unpublished results, reports of significant work in progress, as well as reviews of topics of special interest to the conference audience.

The conference program this year included the main track, four specialized workshops and three invited lectures. All refereed papers in these proceedings were reviewed by at least two anonymous referees; further details including the program committees can be found in the introduction to the main track and individual workshops. Some workshops featured presentations submitted only as abstracts; these were not refereed. This volume also contains abstracts of three invited lectures by Michal Valko (INRIA Lille, France), Jiří Materna (Seznam.cz), and Ľuboš Buzna (University of Žilina, Slovakia).

I would like to thank all workshop organizers, program committee members, anonymous referees, invited speakers, and authors of the submitted papers for contributing to the scientific program of ITAT 2016. I also want to thank to the dedicated groups of organizers from the P. J. Šafárik University in Košice for organizing this conference every year. The event was sponsored by Profinit.

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