

Jakub Yaghob (Ed.)

ITAT 2015: Information Technologies – Applications and Theory

Proceedings of the 15th conference ITAT 2015

Slovenský Raj, Slovakia, September 17–21, 2015

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<http://www.itat.cz/>

Introduction

This volume contains papers from the main track and associated workshops of the 15th ITAT conference. The conference was held in Hotel Čingov, Slovenský Raj, Slovakia on September 17–21, 2015.

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 exchange of information 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, theoretical foundations of computer science, computational intelligence, parallel and distributed computing, natural language processing, and computer science education.

The conference accepts papers describing original previously unpublished results, significant work-in-progress reports, as well as reviews of special topics of interest to the conference audience.

The conference program this year included the main track of 9 contributed papers, two invited lectures, and two workshops. Two specialized workshops were held as a part of the conference:

- Slovenskočeský NLP workshop — SloNLP
(organized by Petra Barančíková and Rudolf Rosa)
- Computational Intelligence and Data Mining — WCIDM
(organized by Martin Holeňa)

Overall, 31 papers were submitted to all conference tracks. These proceedings present in the first part 9 papers of the main track which were selected by the program committee based on at least two reviews by the program committee members. The second part contains 6 papers of SloNLP and the last part presents 13 papers of the WCIDM. All workshop papers were anonymously reviewed and selected on the base of at least two reviews by their corresponding program committees.

These proceedings also contain abstract of two invited lectures by Zbyněk Falt (Google Zürich) and Ivan Zelinka (VŠB-Technical University of Ostrava).

I would like to thank all program committee members, conference organizers, invited speakers, and authors of the papers for helping to create an exciting scientific program for ITAT 2015. Special thanks deserves H. Bílková for preparing the conference proceedings.

Jakub Yaghob
Charles University in Prague
Chair of the Program Committee

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