Tomáš Vinař (Ed.)

ITAT 2013: Information Technologies—Applications and Theory Proceedings

Conference on Theory and Practice of Information Technologies Donovaly, Slovakia, September 11-15, 2013

ITAT 2013: Information Technologies—Applications and Theory (Proceedings)
Donovaly, Slovakia, September 11-15, 2013
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CEUR Workshop Proceedings vol. 1003
http://ceur-ws.org/Vol-1003/
ISSN 1613-0073

Also published by CreateSpace Independent Publishing Platform, 2013
ISBN 978-1490952000

These proceedings contain papers from the conference ITAT 2013. All authors agreed to publish their papers in these proceedings. Copyright remains with the authors of the papers. All papers were reviewed by at least three anonymous referees.

http://www.itat.cz/

Introduction

This volume contains papers from the main track of the 13th ITAT conference, which took place on September 11-15, 2013 at Donovaly, 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 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, 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 The conference accepts papers describing original previously unpublished results, significant work-in-progress reports, as well as reviews of special topics of interest to the conference audience.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 contributed papers, workshops, posters, and three invited lectures. Overall, 44 papers and abstracts were submitted to all conference tracks. These proceedings present 15 papers of the main track which were selected by the program committee based on at least three reviews by the program committee members and anonymous referees. This volume also contains abstract of three invited lectures by Dávid Pál (Google New York), Eduard Kejnovský (The Academy of Sciences of the Czech Republic), and Richard Královič (Google Zürich).

As a new feature this year, three specialized workshops were organized as a part of the conference:

- Data Mining and User Preference Learning
  (organized by Ladislav Peška and Peter Vojtáš)
- Bioinformatics in Genomics and Proteomics (organized by Matej Lexa)
- Computational Intelligence and Data Mining (organized by Martin Holeňa)

Papers and abstracts from these workshops, as well as poster abstracts, are presented in a separate volume.

I would like to thank all program committee members, anonymous referees, conference organizers, invited speakers, and authors of the papers for helping to create an exciting scientic program for ITAT 2013.

Tomáš Vinař
Comenius University in Bratislava
Chair of the Program Committee

PROFINIT
new frontier group

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