Bohuslav Balcar; Petr Holický; Ondřej F. K. Kalenda; Jaroslav Tišer
Foreword

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This volume contains papers presenting some results lectured or obtained at the 38th Winter School on Abstract Analysis 2010.

Traditionally, the conference consisted of two parts. The part devoted to analysis was held from January 16 to January 23 in Hotel Game at Klenčí pod Čerchovem in south-west Bohemia and the part devoted to topology and set theory was held from January 30 to February 6 in Hejnice in North Bohemia.

In both parts, several invited lectures, or series of lectures, were organized.

In the analysis part[1], five series of invited lectures were given. The series were delivered by Bernardo Cascales (University of Murcia, Spain), David Preiss (University of Warwick, United Kingdom), Marek Ptak (University of Agriculture, Kraków, Poland), Slawomir Solecki (University of Illinois, USA), Luděk Zajíček (Charles University Prague, Czech Republic).

Topology week[2] was, similarly as in the past year, rather "school" than a conference. The main theme was again a course of forcing methods with applications and an advanced set-theory. The series of lectures given by professors Joerg Brendle (Kobe University, Japan), Alan Dow (University of North Carolina at Charlotte, U.S.A.), Sy David Friedman (Kurt Gödel Research Center, Vienna, Austria) and Menachem Magidor (Hebrew University of Jerusalem, Israel) covered the topics starting with iterated forcing to pcf theory and other advanced results. These courses met an extraordinary attention, which was emphasized by a larger number of participants than in the previous runs.

As usual, we organized traditional problem sessions, where a number of problems were presented. We thank all the participants for their contribution that made 38th Winter School very successful and pleasant. Also, Topology Section owes great thanks to the staff of International Center for Spiritual Rehabilitation and to the INFTY program of European Science Foundation that enabled a participation of doctorands and post-docs.

To speed up the publication of the proceedings, the full responsibility for the linguistic form of the papers was left to the authors.

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[1]   *see* http://www.karlin.mff.cuni.cz/lhota
[2]   *see* http://www.winterschool.eu/

We appreciate very much the work done by our colleagues and also many foreign participants for helping the organizing committee. We are obliged to the managing editor Petr Simon for preparing this volume of the journal devoted to the Winter School.

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