

Preface

Symposia of Polish, Czech and Slovakian scientists and practitioners engaged in geophysical research in mines have a long history. Joint meetings have been organized regularly since 1970, alternately in Poland, Czechoslovakia and then the Czech Republic. Being initially devoted to Mining Geophysics, their scope was expanded in 2002 to include broader environmental problems. Outcomes of the Symposia held in Poland were published in a series of books within the series *Publications of the Institute of Geophysics, Polish Academy of Sciences*.

This volume is an outcome of the 32nd Polish-Czech-Slovakian Symposium on Mining and Environmental Geophysics which was held in Piechowice (the Sudety Mts., Southern Poland) on May 19–22, 2009. The Symposium was organized by the Faculty of Earth Sciences, University of Silesia, and the Institute of Geophysics, Polish Academy of Sciences, under the honorary auspices of the President of Polish State Mining Authority. The Symposium assembled 56 participants who presented 35 papers.

The main topics of the 32nd Symposium were the following:

- Mining and natural seismicity
- Mining geophysical methods
- Application of geophysics in environmental studies and geology

The goal of the Symposium was to present and discuss the results of current research related to mining and environmental geophysics. The Symposium was also a good and convenient opportunity for discussion and exchange of various concepts among participants representing universities, research centers and industrial institutions. The Symposium proceeded in nice and friendly atmosphere. We would like to express our sincere thanks and appreciation to the members of Scientific and Local Organizing Committees.

The volume contains thirteen papers selected from those presented at the 32nd Polish-Czech-Slovakian Symposium. The papers were peer reviewed and then revised according to reviewers' comments and suggestions. Finally the papers were accepted for publication.

Representing the wide range of Symposium topics, the papers included into this volume touch multiple aspects of geophysical research. You can find papers related to seismology (mining and global), geodesy, environmental geophysics and geology alike.

We hope that the readers will find the volume interesting and useful.

Sosnowiec, Poland

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