

**Proceedings of XII IAGA Workshop
on Geomagnetic Observatory Instruments,
Data Acquisition and Processing**

PREFACE

The XII IAGA Workshop was held on June 19-24, 2006, at Belsk Observatory, Poland. IAGA workshops are cyclic events taking place every two years at various magnetic observatories over the world. The decision about the place and date of the Belsk workshop was undertaken during the 23rd IUGG General Assembly in Sapporo in July 2003.

The Workshop was divided into two parts. The Measurement Session, attended by 60 persons from abroad, was held on June 19-21 at Belsk Observatory. It was followed by the Scientific Session held on June 22-24 at Hotel Wiktoriański in Grójec and Hotel Groman in Sękocin. The Scientific Session was attended by 87 persons from abroad, representing 31 countries from 5 continents. There were also about 15 participants from Poland.

The Measurement Session comprised comparative measurements by DI-flux magnetometers and measurements and tests of proton magnetometers. Twenty-nine DI-flux magnetometers and five proton magnetometers participated in the Session. Along with measurements and tests, there was a training course how to make absolute measurements, led by H.-J. Linthe from Germany and J.-J. Schott from France.

During the Scientific Session, there were 5 invited lectures, 40 regular lectures and 45 poster presentations. There were also two moderated discussions: (1) "Discussion on Virtual observatories and data portals" led by J. Love from the USA, and (2) "Discussion about the form of magnetic yearbooks" led by J. Jankowski from Poland.

The Workshop was made possible owing to the engagement of many persons, in particular those from the International and Local Organizing Committees. We also received support from sponsors. The following institutions and organizations sponsored the Workshop:

- Institute of Geophysics, Polish Academy of Sciences
- Polish Academy of Sciences
- Committee of Geophysics, Polish Academy of Sciences.

- International Union of Geodesy and Geophysics (IUGG)
- International Association of Geomagnetism and Aeronomy (IAGA)
- Space Research Center, Polish Academy of Sciences
- Institute of Geodesy and Cartography

It is to be emphasized that the funds from IAGA and IUGG provided a possibility for many scientists from developing countries, or countries under transformation, to attend the Workshop.

The present Proceedings book contains selected papers presented during the Workshop. The papers were reviewed by the scientific staff of the Earth Magnetism Department of the Institute of Geophysics, Polish Academy of Sciences, and the correspondence with the Authors was made by the Editor. In the next stage, the papers were subject to some technical and, if necessary, language adjustments, by the Editorial Office of the Institute of Geophysics, and finally proof-read by the Authors. We are grateful to Anna Dziembowska, Managing Editor of “Publications of the Institute of Geophysics” for preparing the present Proceedings.

Jan Reda
Editor