

PREFACE

The “Journées 2005, Systèmes de référence spatio-temporels”, with the sub-title “Earth dynamics and reference systems: five years after the adoption of the IAU 2000 Resolutions” have been held at the Space Research Centre of the Polish Academy of Sciences in Warsaw from 19 to 21 September 2005. These Journées were the seventeenth conference in this series, organized in Paris (1988 to 1992 and 1994 1996, 1998, 2000 and 2004), and the following European cities: Warsaw (1995), Prague (1997), Dresden (1999), Brussels (2001), Bucharest (2002) and St. Petersburg (2003). These Journées were organized for the second time in Warsaw, after ten years. The conference was organized in close cooperation between the Space Research Centre of PAS and Paris Observatory. The Journées 2005 were held under the patronage of the French Minister of European Affairs.

In 2005, we have received financial support from the Scientific Council of Paris Observatory, the French Embassy in Warsaw, the Committee of Geodesy of the Polish Academy of Sciences. The Space Research Centre of PAS offered the conference rooms and all facilities of the Space Research Centre building where the conference was held, free of charge. The Proceedings have been published thanks to the financial support of Department SYRTE of Paris Observatory. We are grateful to these institutions for their support.

There were 93 participants from 19 countries, among which 13 received a financial support for their participation in the conference. A financial support was also provided to PhD and post-doc researchers in the framework of the European “Descartes-nutation” project, who were invited to present their results in a special session of the conference. During the reception offered to the participants at the Polish Academy of Sciences, “Descartes-nutation” diploma were given to those young researchers by V. Dehant, Chair of the project Committee.

In agreement with the the sub-title of the Journées 2005, the main goal of the Conference was to discuss Earth dynamics and reference systems, five years after the adoption of the IAU 2000 Resolutions. The five sessions were devoted to:

1. Celestial and terrestrial reference systems;
2. Precession, nutation and polar motion;
3. Excitation of Earth rotation by geophysical fluids;
4. Time and time transfer: recent developments and projects;
5. Global reference frames and Earth rotation: impact of the gravitational satellite missions, new techniques, new international projects.

The scientific programme of the meeting included 15 invited papers, 33 oral and 35 poster presentations. The proceedings are divided into 5 sections corresponding to the sessions of the meeting. The Table of Contents is given on pages iii to vi, the list of participants on pages viii and ix and the scientific programme on pages x to xv. The Postface on page 297 gives the announcement of the “Journées 2007” in Paris.

The Proceedings of the Journées 2005 are also available on electronic form at: <http://jsr2005.cbk.waw.pl> and <http://syrtte.obspm.fr/journees2005/>.

We express our thanks to the Scientific Organizing Committee for its valuable help in preparing the scientific programme and chairing the sessions, and to all the authors of papers for their valuable contributions. We thank the Local Organizing Committee for their very efficient work before and during the meeting, especially Dr. Jolanta Nastula, Secretary of the LOC, and the staff of the the Space Research Centre of PAS as well for their kind welcome in their institute. We are grateful to Olivier Becker and Anna Korbacz for their efficient technical help for the publication.

The organizers of the “Journées 2005”,

A. BRZEZIŃSKI, N. CAPITAINE, B. KOŁACZEK

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