

POSTFACE

JOURNÉES 2005 SYSTÈMES DE RÉFÉRENCE SPATIO-TEMPORELS

*“Earth dynamics and reference systems:
five years after the adoption of the IAU 2000 Resolutions”
Warsaw (Poland), 19-21 September 2005*

Scientific Organizing Committee

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Scientific objectives

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”, will be organized at the Space Research Centre of the Polish Academy of Sciences in Warsaw, Poland, from 19 to 21 September 2005. These Journées will be the seventeenth conference in this series whose main purpose is to provide a forum for researchers in the fields of Earth rotation, reference frames, astrometry and time. Ten years after the Journées 1995, these Journées will be held again in Warsaw. The conference will be organized in cooperation between the SRC of the Polish Academy of Sciences in Warsaw and the Department “Systèmes de Référence Temps Espace” (SYRTE) of Paris Observatory. The Journées 2005 will be devoted to recent contributions and developments in the fields of reference systems and modeling Earth’s rotation. There will be a special discussion on the status of the implementation of the IAU 2000 resolutions and the latest proposals of the IAU Working Groups of Division I on “Nomenclature in Fundamental Astronomy” and also a special session on progress in the “Descartes-nutation” projects.

Scientific programme

Session 1 : Celestial and terrestrial reference systems, with sub-sessions on “Astrometry/The International Celestial Reference Frame” and on “Realization of the systems and scientific applications”

Session 2 : Precession, nutation and polar motion, with sub-sessions on “Recent developments of observation and modeling”, “Implementation of the IAU 2000 resolutions and new nomenclature” and “Presentations of progress in the Descartes-Nutation projects”

Session 3 : Excitation of Earth rotation by geophysical fluids

Session 4 : Time and time transfer: recent developments and projects

Session 5 : Global reference frames and Earth rotation: impact of the gravitational satellite missions (CHAMP, GRACE, GOCE), new techniques (ring laser etc.), new international projects (IAG-GGOS, GALILEO)

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