

POSTFACE

JOURNÉES 2007 SYSTÈMES DE RÉFÉRENCE SPATIO-TEMPORELS

“The Celestial Reference Frame for the Future”

Observatoire de Paris (France), 17-19 September 2007 (dates to be confirmed)

Scientific Organizing Committee

A. Brzeziński, Poland; N. Capitaine, France (Chair); P. Defraigne, Belgium; T. Fukushima, Japan; D.D. McCarthy, USA; M. Soffel, Germany; J. Vondrák, Czech R.; Ya. Yatskiv, Ukraine

Local Organizing Committee

P. Baudoin, O. Becker, C. Bizouard, S. Bouquillon, D. Gambis (Chair), A-M. Gontier, S. Lambert, J. Souchay

Conference location : Observatoire de Paris (probably on its Meudon site), France

Scientific objectives

The Journées 2007 “Systèmes de référence spatio-temporels”, with the sub-title “The Celestial Reference Frame for the Future”, will be organized at Paris Observatory. These Journées will be the eighteenth conference in this series whose main purpose is to provide a forum for discussion of researchers in the fields of celestial and terrestrial reference systems, Earth rotation, astrometry and time. The Journées 2007 will be focused on the issues related to the recent developments, perspectives of future realizations and scientific applications of the Celestial Reference Frame.

There will be presentations and discussions related to the new Division 1 Commission 52 “Relativity in Fundamental astronomy” and Working Groups on “Numerical standards in Fundamental astronomy” and “The Celestial Reference Frame” that have been established at the 26th IAU GA and also on the recent evolution in the concepts, terminology and results in fundamental astronomy. There will be a special session dedicated to nutation (organized by V. Dehant), 30 years after the IAU Colloquium No 78 on “Nutation and the Earth’s rotation” that was organized in Kiev in 1977.

Scientific programme

The Scientific programme of the Journées 2007 will include topics related to:

- Plans for the new ICRF
- Plans for the analysis of VLBI data
- Precession-nutation
- Geophysical excitation of Earth rotation
- Relativistic considerations in the new ICRF
- Models incorporated in the new ICRF
- Connecting the new ICRF to other wavelengths
- Connecting the dynamical reference frame to the new ICRF
- Gaia and the new ICRF

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or see the web page of the Journées 2007 at: <http://syrte.obspm.fr/journees2007/>
(will be available in January 2007)