

POSTFACE

JOURNÉES 2010 SYSTÈMES DE RÉFÉRENCE SPATIO-TEMPORELS
“New challenges for reference systems and numerical standards in astronomy”
Observatoire de Paris (France), 20-22 September 2010 (dates to be confirmed)

Scientific Organizing Committee

A. Brzeziński, Poland; N. Capitaine, France (Chair); V. Dehant, Belgium; D.D. McCarthy, USA; M. Sof-fel, Germany; J. Souchay, France; J. Vondrák, Czech R.; Ya. Yatskiv, Ukraine

Local Organizing Committee

Chair: N. Dimarcq (SYRTE, Observatoire de Paris)

Conference location : Observatoire de Paris, Paris, France

Scientific objectives

The Journées 2010 “Systèmes de référence spatio-temporels”, with the sub-title “New challenges for reference systems and numerical standards in astronomy”, will be organized at Paris Observatory, from 20 to 22 September 2010 (dates to be confirmed). These Journées will be the twentieth conference in this series whose main purpose is to provide a forum for advanced discussion in the fields of space and time reference systems, Earth rotation, astrometry and time.

The Journées 2010 will be focused on the issues related to the recent developments and new challenges in astronomical space and time reference systems and their relativistic aspects, astrometric catalogs, Earth orientation, astronomical constants and numerical standards, planetary ephemerides and modern astrometry.

There will be presentations and discussions related to the IAU Working Groups, such as “Numerical Standards for Fundamental astronomy” (NSFA), or Division 1 commissions.

Scientific programme

The scientific programme of the Journées 2010 will include sessions devoted to:

Recent achievements and challenges for:

- astrometric catalogues (optical and radio)
- SI units, astronomical constants and numerical standards
- relativity and reference systems
- planetary ephemerides and their comparison
- pulsars timing and time transfer
- theory and observations of Earth orientation
- educational efforts in relativistic astrometry and celestial mechanics

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or see the web page of the Journées 2010 at: <http://syrte.obspm.fr/journees2010/>
(that will be regularly updated)