

JOURNÉES 2014

SYSTÈMES DE RÉFÉRENCE SPATIO-TEMPORELS

Recent developments and prospects
in ground-based and space astrometry

22-24 September 2014
Pulkovo Observatory
St. Petersburg, Russia

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2014

Introduction to the Journées 2014

23rd meeting in this series; 10th out of Paris, 2d in St-Petersburg (2003: IAA)

Many thanks to :

- A. Stepanov, Director, Pulkovo Observatory
- Z. Malkin (co-Chair of the SOC)
- SOC
- LOC (Chair: A. Devyatkin)
- Pulkovo Observatory, Russian Academy of Sciences, Paris Observatory/SYRTE
- IAU and IAG co-sponsor of the Journées
- invited speakers
- participants for interesting presentation proposals

On behalf of the SOC,

Welcome to

All the participants, regular and new: ~ 90 participants from 17 countries all over the world

Best wishes to

Pulkovo Observatory (175 years old) pioneered and contributed to important works in astrometry (e.g. on fundamental catalogs, precession, etc.)





Scientific Programme

“Recent developments and prospects in ground-based and space astrometry”

will focus on issues related to:

- S1: Celestial reference system and frame
- S2: Relativity and time scales
- S3: Solar and extrasolar systems dynamics
- S4: Earth's rotation and geodynamics
 - Sub-Session on the "IAU/IAG Joint Working Group on Theory of Earth Rotation
- S5: Astronomical almanacs and software

Discussion on all these topics

Please respect the time allocated to the talks (20 min; 12 min)

Possible items for discussion

S1: Procedure for the realization of the next ICRF
International effort for observations and combinations
ICRF3 and Gaia celestial frame

IAU WG ICRF3 (Chair: C. Jacobs): To oversee the generation, validation and utility of the third generation ICRF in the radio domain by 2018 with special care to provide for a frame tie and accuracy comparisons with the anticipated Gaia optical catalog.

S4: Plans for the improvements of the theory of ER
Progress in the knowledge of the Earth's free wobbles: Chandler and FCN

IAU/IAG WG Theory of Earth Rotation (Chairs: J. Ferrandiz, R. Gross)

S5: Future of Almanac services

S5: Developments and prospects in Standards of Fundamental Astronomy

IAU WG SOFA (Chair: C. Hohenkerk) : meeting on Wednesday afternoon