

*First announcement and
Call for Papers*

2nd CNES Workshop on
EARTH-SPACE PROPAGATION



13 – 15 October 2004
CNES, Toulouse, France



The “Electromagnetism” and “Signal & Image Processing” Technical Competence Centers are pleased to announce the second Workshop on Earth-space propagation. This workshop will be held from October 13th to 15th, 2004 at the Centre National d’Etudes Spatiales (CNES) in Toulouse, France.

Objectives and Organisation of the Workshop

The aim of this workshop is to provide an overview of the propagation phenomena affecting any Earth to space or space to Earth transmission and to depict the various techniques used to mitigate these phenomena.

The workshop will provide an open-forum for sharing technical experiences and points of view between each participants from the satellite designers to the space agencies including universities, laboratories and providers.

The workshop will be organised around a single sessions with oral presentations and round table discussions. Depending on the number of submissions, poster session may be arranged.

Non-EU participants have to register at least more than one month before the workshop due to security and administrative requests needed for access to CNES.

The registration fee for the Workshop is free.

Abstract Submission

Papers will be selected on the basis of abstracts of nearly 500 words in length. Abstracts should be submitted in electronic format (pdf or doc) by email to both Frédéric Cornet and Alban Duverdier (Frederic.Cornet@cnes.fr, Alban.Duverdier@cnes.fr). Abstracts should contain a title, a session name, the name and address of author(s) and a summary of the paper.

The program Committee will be chaired by Michel Bousquet (Supaéro). Authors will be notified of the decision of the committee by 23 July 2004. Then, instructions for the preparation of their full-length paper will be sent in order to make the Proceedings available at the Workshop.

Abstract, paper and slides will be provided in English language.

The best papers will be published in the Space Communications Journal (IOS Press).

Session 1 : Navigation & Ionosphere

- Navigation systems : GPS, Galileo
- WAAS, EGNOS
- Total Electronic Content, Electronic density
- Impact of ionosphere on positioning

Session 2 : Modelling of Propagation Phenomena

- Climatic parameters modelling
- Statistics of Attenuation
- Time-varying propagation channel
- Spatial variability of the propagation channel

Session 3 : Propagation Impairments Mitigation Techniques

- Communication by satellite
- Adaptive Coding and Modulation
- Power Control
- Standardisation aspects
- Interference Mitigation
- Diversity

Calendar of events

11 June 2004 : Deadline for submission of abstracts

23 July 2004 : Authors Notification

1 September 2004 : Deadline for registration for non-EU participants

24 September 2004 : Deadline for submission of final papers

13-15 October 2004 : Propagation Workshop

EARTH-SPACE PROPAGATION WORKSHOP

This workshop will be held from October 13th to 15th, 2004 at the Centre National d'Etudes Spatiales (CNES) in Toulouse, France.

The registration fee for the Workshop is free (lunch available but not included !)

For any additional information, please contact

Frédéric CORNET C N E S (DCT/RF/TT) Bpi 2012 18 – Avenue Edouard Belin 31401 - TOULOUSE -Cedex 4 Tél : (33) 05-61-28-33-69 Fax : (33) 05-61-28-26-13 e-mail : frederic.cornet@cnes.fr	Alban DUVERDIER C N E S (DCT/RF/TT) Bpi 2012 18 - Avenue Edouard Belin 31401 - TOULOUSE -Cedex 4 Tél : (33) 05-61-28-31-79 Fax : (33) 05-61-28-26-13 e-mail : alban.duverdier@cnes.fr
--	--

REGISTRATION FORM

EARTH-SPACE PROPAGATION WORKSHOP

Family Name :

First Name :

Company / Organisation :

Adress :

Tél :

Fax :

Mail :

I will attend :

- ☐ The “Navigation & Ionosphere” session
☐ The “Modelling of Propagation Phenomena” session
☐ The “Propagation Impairments Mitigation Techniques” session

Registration forms have to be return by email to Frederic Cornet /Alban Duverdier before 01/09/04 for non-EU attendees and before 01/10/04 for EU attendees