

IAUS300



Nature of prominences and their role in Space Weather

Second announcement

IAU Symposium 300

"Nature of solar prominences and their role in Space Weather".
10-14 June 2013 in Paris (France)

Dear colleagues,

This is the second announcement for the Symposium 300 of the International Astronomical Union, entitled "Nature of solar prominences and their role in Space Weather". The conference will be held in Paris at the Ecole de Supérieure de Chimie (France), 10-14 June 2013.

Registration and Payment

The fees (350 E) include the venue, 3 lunches, the conference dinner, the proceedings book.

For the payment you will be redirected to a secure website and you should wait to receive an email for the validation of your registration before paying. Credit cards are accepted. French people can pay via orders.

<http://iaus300.sciencesconf.org>

Contact : iaus300@obspm.fr

Important dates:

- * Early registration opens: 1 Nov 2012
- * Deadline for IAU grant application: 15 Jan 2013
- * Decision for IAU financial support: 01 Feb 2013
- * Deadline for early registration: 10 May 2013
- * Abstract deadline for oral presentation: 10 Mar 2013
- * Decision of the program: 10 April 2013
- * Registration and abstract submission for poster(end) 10 May 2013
- * Deadline for proceedings submission: 15 Sep 2013

*** Financial support and visa**

Some grants will be available mainly for students and young researchers. Please send an Email to : IAU.S300@obspm.fr

If you need a visa for France, please contact us IAU.S300@obspm.fr (with a copy of your passport).

*** Einar Tandberg-Hanssen**

"This meeting is dedicated to the memory of Professor Einar Tandberg-Hanssen who passed away in July 2011. He was deeply involved in prominences studies until the end of his life (see his last paper in Solar Physics February 2011). He is the author of the book "The nature of solar prominences", published in 1995 and which is taken as the authority in the field."

*** Rationale**

The aim of this IAU Symposium is to present a review of the state-of-the-art of the theoretical, numerical modeling, and space-borne and ground-based observational studies of prominences and their role in the dynamics of Sun-Earth relations. It also aims at opening new perspectives for the people, and especially young ones, working in the field. Prominences have an active role in the Space Weather. Magnetic clouds and the Coronal Mass Ejections (CME) associated to erupting prominences can produce severe perturbations in GPS, in telecommunications and for satellites and space inhabited vessels. So it is time to put together the many efforts made to understand their physics in order to be able to make forecasts about their possible impact on our space environment. Moreover, huge prominences and CME have been detected in solar-type stars (and others) and it is interesting to put the properties of solar prominences in a broader perspective, on one hand, and to present the status of the sophisticated solar analysis to the concerned stellar community on the other hand. In summary, we would like to bring together different communities in astrophysics.

SESSION necessary for registration

Session I Prominences (key topics 1-5)

Session II CME, ICME, Space Weather (key topics 6-7)

Session III Stars (key topics 8)

Session IV Instrumentation (key topics 9)

Key topics

1/ Prominences: dynamics, fine structure, seismology

2/ Prominence: plasma properties

3/ Magnetic field: measurements and models

4/ Filament environment

5/ Solar cycle evolution of prominences and prominence eruptions

6/ Prominence destabilization, CMEs, reconstruction in 3D

7/ CMEs in the heliosphere, Magnetic clouds, Impact on the Earth's environment

8/ Stellar ejecta and impact on Exoplanets

9/ Instrumentation

We hope to see as many of you as possible in Paris next year.
Please book your accommodation as soon as possible.

Best regards,

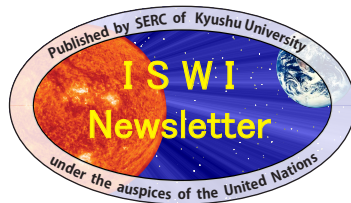
Brigitte Schmieder and Shi Wu (on behalf of the SOC and LOC)

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