

## Consultation Meeting on Solar-Terrestrial Relations

*A meeting at Nordita at AlbaNova University Centre, Roslagstullssbacken 23,  
on May 22, 2012 10:00-16:00*

### Background and Objective

The area of Solar-Terrestrial Relations has played a decisive role in the growth of Astrophysics and Space Science since 150 years. More recently, it has developed very much due to new observational possibilities, at a distance and in situ, and very considerable advancement in computer simulation. The area has also become of very great social interest, due to the effects of space weather on communication and other technical systems, and possible climate effects.

In this development several Nordic research groups play important roles. However, the Nordic potential to contribute decisively to this research in a coherent way seems still greater, in view of the fact that leading research is made here in all aspects of the area, from basic solar studies to solar-wind research, space physics exploration, studies of the Earth upper atmosphere, as well as the study of other planetary-system atmospheres and their interaction with the solar wind.

In order to explore what could be done to make the Nordic research in this area more visible and see whether further coordination of science, education and financing efforts could be worthwhile, we arrange an open consultation at Nordita, AlbaNova on May 22, 2012. One idea that will be discussed is the possibility to arrange a larger meeting around the same topics later this year, or in 2013.

### Preliminary programme:

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| 10:00-10:10 | Introduction: Bengt Gustafsson  |
| 10:10-10:20 | Presentation of participants  |
| 10:20-12:30 | Presentations by participants (prepare a 10 minutes presentation of your research and in particular how it could relate to Solar-Terrestrial Relations) |
| 12:30-13:30 | Lunch   |
| 13:30-15:00 | Discussion: Areas of overlap and common interests<br>Different possible new initiatives<br>Convenor: Bengt Gustafsson                                   |
| 15:00-15:30 | Coffee  |
| 15:30-16:00 | Summary of actions  |

### Participants:

Mats André, Institute of Space Physics, Uppsala  
Axel Brandenburg, Nordita  
Asgeir Brekke, University of Tromsø, University Centre in Svalbard  
Mats Carlsson, Oslo University  
Bengt Gustafsson, Nordita, Uppsala University  
Dan Kiselman, Institute for Solar Physics, Stockholm/La Palma

*Cont.*

Cesar La Hoz, University of Tromsø  
Henrik Lundstedt, Institute of Space Physics, Lund  
Mats Löfdahl, Institute for Solar Physics, Stockholm/La Palma  
Unni Pia Løvhaug, University of Tromsø  
Hans Nilsson, Institute of Space Physics, Kiruna  
Kjellmar Oksavik, University of Bergen  
Göran Scharmer, Institute for Solar Physics, Stockholm/La Palma  
Henrik Svensmark, Danish Space Research Institute  
Nikolai Østgaard, University of Bergen

Additional participants are foreseen and welcome.

