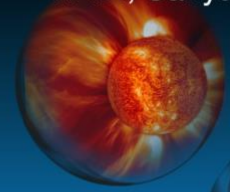
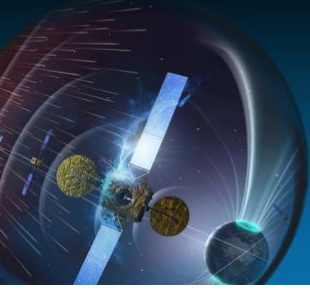




October 10 - 19, 2018  
RADI, Sanya, China

# Study Space Weather Effects

from the Sun to the Ground



## Wednesday 10 October:

- 09:00 – 10:30 *Registration*
- 10:30 – 11:00 Welcome Speeches and introduction to the school (Maurizio Falanga, Ebrahimi M. Seyedabadi, Thomas Ulich)
- 11:00 – 12:30 The Sun: from nuclear fusion to Space Weather (Roger-Maurice Bonnet)
- 12:30 – 14:00 *Lunch Break*
- 14:00 – 15:30 Solar eruptive activity as causes of space weather (Karl-Ludwig Klein)
- 15:30 – 16:00 *Coffee Break*
- 16:00 – 17:30 Triggering mechanisms and various types of waves associated with CMEs (Peng-Fei Chen)
- 18:00 *Welcome reception*

## Thursday 11 October:

- 09:00 – 10:00 Space Weather: history and current status (Ji WU)
- 10:00 – 10:45 Solar Energy Particle Events (Gang Li)
- 10:45 – 11:15 *Coffee Break*
- 11:15 – 12:00 Particle Acceleration and Transport in the inner heliosphere (Gang Li)
- 12:00 – 13:30 *Lunch Break*
- 13:30 – 14:30 Space Weather and the Science Programme of ESA (Alvaro Giménez)
- 14:30 – 15:15 Interplanetary Coronal Mass Ejections (Qiang Hu)
- 15:15 – 15:45 *Coffee Break*
- 15:45 – 16:30 Interplanetary Coronal Mass Ejections (Qiang Hu)
- 16:30 – 16:50 *Coffee Break (Shorter)*
- 16:50 – 18:20 Ionospheric Physics and aurora (Anita Aikio)

## Friday 12 October:

- 09:00 – 10:00 Space Weather impacts on ground infrastructure (Karl-Ludwig Klein)
- 10:00 – 10:30 *Coffee Break*
- 10:30 – 12:30 - Operational Space Weather Forecasting: What's the Difference between a Prediction and a Forecast?  
- Machine Learning in Space Weather Forecasting (Thomas Berger)

- 12:30 – 14:00 *Lunch Break*
- 14:00 – 15:30 Introduction to Radar, history and ionosonde (EISCAT) (Ian McCrea)
- 15:30 – 18:00 Introduction and Starting with the *Group works (& Coffee Break)*
- 18:30 Social Dinner

Saturday 13 October:

- 09:00 – 12:30 *Group works*
- 12:30 – 14:00 *Lunch Break*
- 14:00 – 15:00 Visiting RADI
- 15:00 – *Free time to visit the attractions of Sanya*  
*Also: All RADI facilities are available for the group works*

Sunday 14 October:

*Free time to visit the attractions of Sanya*  
*Also: All RADI facilities are available for the group works*

Monday 15 – Thursday 19 October

- 09:00 – 12:30 *Group works, Coffee Break available at any time*
- 12:30 – 14:00 *Lunch Break*
- 14:00 – *Group works, Coffee Break available at any time*

Friday 20 October: (Chaired by Prof. Dr. Chi Wang, DG of the NSSC, Beijing CN)

- 09:00 – 10:00 WG1 Presentation
- 10:00 – 11:00 WG2 Presentation
- 11:00 – 11:30 *Coffee Break*
- 11:30 – 12:30 WG3 Presentation
- 12:30 – 14:00 *Lunch Break*
- 14:00 – 15:00 WG4 Presentation
- 15:00 – 15:30 *Final remarks*