

Second Remote Sensing of the Inner Heliosphere Workshop, 06-10 June 2011 – Outline Programme.

Sunday 5th June

Evening:

Informal drinks/food/get-together in J. D. Wetherspoon's Pub (next to the train station) in Aberystwyth town for informal discussions and drinks with anyone who can make it from 19:00h to ~22:00h.

Monday 6th June

Afternoon:

13:45h-14:00h – Tea, coffee, and biscuits.

[IPS-specific discussions. (Bisi and Fallows leading) Session runs from 14:00h to 18:00h.]

14:00h-14:10h – Workshop Opening – Bisi (8+2 minutes).

14:10h-14:20h – Solar Physics Topical Issue: "Observations and Modelling of the Inner Heliosphere" - A Brief Overview – Bisi (8+2 minutes).

14:20h-14:30h – Questions and discussion on Aberystwyth and the Workshop.

14:30h-14:45h – Interplanetary Scintillation Measurements with LOFAR: Progress so far – Fallows (12+3 minutes).

14:45-15:05h – Pushchino: heliospheric-remote-sensing progress since the May 2009 workshop – Chashey (18+2 minutes – *invited*).

15:05h-16:00h – Other IPS progress made since the May 2009 Workshop.

16:00h-16:30h – Tea, coffee, and biscuits.

16:30h-18:00h – Open discussions on IPS and IPS-related topics.

Evening:

Informal drinks/get-together in Aberystwyth town and informal discussions.

Tuesday 7th June

Morning:

08:30h-09:00h – Tea, coffee, and biscuits.

[IPS-specific discussions. (Bisi and Fallows leading) Session runs from 09:00h to 11:45h.]

09:00h-09:20h – MEXART observations of IPS: updates since the May 2009 workshop – Gonzalez-Esparza (18+2 minutes – *invited*).

09:20h-10:30h – Open discussions on IPS and IPS-related topics.

10:30h-11:00h – Tea, coffee, and biscuits.

11:00h-11:45h – Open discussions on IPS and IPS-related topics.

[Short session on turbulent heating and modelling of the solar wind. (Li leading) Session runs from 11:45h to 12:30h.]

11:45h-12:05h – Quasi-perpendicular waves in the dissipation range of the solar wind turbulence – Li (18+2 minutes).

12:05h-12:30h – Open discussion on solar wind turbulence, heating, and modelling.

Afternoon:

13:45h-14:00h – Tea, coffee, and biscuits.

[Main Workshop starts. Session runs from 14:00h to 18:00h.]

[Opening, Welcome, and IPS Showcase Session: "The capabilities of interplanetary scintillation (IPS), worldwide observations of IPS, and IPS in the wider field of remote sensing of the inner heliosphere". (Bisi leading)]

14:00h-14:10h – Workshop Official Opening (if not needed, then open discussions) – Bisi (8+2 minutes).

14:10h-14:40h – IPS as a space weather tool: lessons-learned and thoughts for the future – Hapgood (25+5 minutes – *invited*).

14:40h-15:00h – UCSD Time-Dependent Tomographic Forecasting with White Light and Interplanetary Scintillation Observations – Clover (18+2 minutes – *invited*).

15:00h-15:15h – Variation of Global Solar Wind Structure Observed with STELab-IPS – Fujiki (13+2 minutes).

15:15h-15:30h – Global structure of the solar wind during the solar minimum and in the beginning of ascending phase as deduced from IPS observations – Tyul'bashev (13+2 minutes).

15:30h-15:45h – Calibration of the solar wind velocity fitting model for MEXART observations – Mejia-Ambriz (13+2 minutes).

15:45h-16:00h – Tracking heliospheric transients - paths towards space weather services – Hapgood (13+2 minutes).

16:00h-16:30h – Tea, coffee, and biscuits.

16:30h-18:00h – Discussion, brief overviews of Monday afternoon's IPS-related talks and overviews/thoughts on IPS-related outcomes and how IPS can aid the remote-sensing community better as a whole (*e.g.* the on-going developments of a unified data format *etc.*...).

Evening:

Informal drinks/get-together in Aberystwyth town and informal discussions.

Wednesday 8th June

[Remote-sensing observations and modelling of the heliosphere: a case study based around the July-August 2010 events. (Harrison leading the observations in the morning, Odstreil leading the modelling in the afternoon).]

Morning:

08:30h-08:45h – Tea, coffee, and biscuits.

[Session runs from 08:45h to 12:30h.]

08:45h-09:15h – The events of 1-4 August 2010: An overview – Harrison (25+5 minutes).

09:15h-10:30h – Discussions on the observations of the July/August 2010 events.

10:30h-11:00h – Tea, coffee, and biscuits.

11:00h-12:20h – Discussions on the observations of the July/August 2010 events.

12:20h-12:30h – Results of the 2009 MESSENGER Faraday Rotation Experiment – Jensen (8+2 minutes).

POSTER – Multi-spacecraft observations of Type II radio emission during July-August 2010 – Aguilar-Rodriguez.

Afternoon:

13:45h-14:00h – Tea, coffee, and biscuits.

[Session runs from 14:00h to 18:00h.]

14:00h-14:10h – Multi-point in situ observations and flux rope modeling of the August 2-4 2010 ICMEs – Jensen on behalf of Skov (8+2 minutes).

14:10h-14:25 – A Self-Similar Expansion Model for use in Solar Transient Propagation Studies – Davies (13+2 minutes).

14:25h-16:00h – Discussions on the modelling of the July/August 2010 events.

16:00h-16:30h – Tea, coffee, and biscuits.

16:30h-18:00h – Discussions on the modelling of the July/August 2010 events.

Evening:

Informal drinks/get-together in Aberystwyth town and informal discussions.

Thursday 9th June

Morning:

08:30h-08:40h – Tea, coffee, and biscuits.

[When remote-sensing observations fail us: an investigation into "Stealth CMEs". (Lugaz leading) Session runs from 08:35h to 11:50h.]

08:40h-09:00h – Determining CME Properties from Remote-Sensing White-Light Observations – Lugaz (18+2 minutes).

09:00h-10:30h – Discussion on “Stealth CMEs”.

10:30h-10:45h – Tea, coffee, and biscuits.

10:45h-11:50h – Discussion on “Stealth CMEs”.

Afternoon:

Social trips to the [Centre for Alternative Technology \(CAT\)](#) and the [Corris Steam Railway](#) – 12:00h-18:00h.

Evening:

Workshop dinner - [Constitution Hill Restaurant](#) – 19:00h.

Friday 10th June

Morning:

08:30h-08:45h – Tea, coffee, and biscuits.

[Future of remote sensing. (Aguilar-Rodriguez leading) Session runs from 08:45h to 11:30h.]

08:45h-09:15h – IBEX remote sensing of the heliospheric interface and beyond and multi-technique remote-sensing observations of solar wind – Bzowski and Sokól (25+5 minutes – *invited*).

09:15h-09:40h – Heliospheric Imaging - Data Processing and Future Plans – Howard (22+3 minutes – *invited*).

09:40h-10:05h – "PERSEUS", a Pegasus Explorer for Remote Sensing and in-situ Space science – Bisi on behalf of Jackson (22+3 minutes – *invited*).

10:05h-10:30h – The progress on EISCAT_3D and its aims/capabilities for heliospheric and space-weather science – McCrea (22+3 minutes – *invited*).

10:30h-11:00h – Tea, coffee, and biscuits.

11:00h-11:30h – Discussion on the future of remote sensing of the inner heliosphere.

[Workshop summary, paper goals/collaborations for the proceedings, discussion on future plans, workshop close. (Bisi leading) Session runs from 11:30h to 12:30h.]

11:30h-12:15h – Discussion on paper goals, collaborative goals, future opportunities and plans, *etc...*

12:15h-12:25h – Solar Physics Topical Issue: "Observations and Modelling of the Inner Heliosphere" - A Brief Overview – Bisi (8+2 minutes).

12:25h-12:30h – Workshop Close – Bisi and Fallows (5 minutes).

Afternoon:

Informal discussions can continue if desired and participants depart. There may also be a short walk for those who registered for such during registration on the CERN WebPages.