

## Plasma Observatory First Community Workshop

Thursday, November 14

### The Science of Plasma Observatory

Chair: H. Rothkaehl

09:30 - 09:50	Physics of energy transport in the Magnetospheric System: the importance of scale coupling	R. Nakamura (Invited)
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### How do plasma jets interact with Earth's dipole field?

Chair: H. Rothkaehl

09:50 - 10:05	Magnetotail Dipolarization Fronts	S. Alqeeq (Invited, on-line)
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1005 - 1015	Plasma jets interaction with the Earth's magnetic dipole in the transition region	E. Panov
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### How FAC connect different regions of the Magnetospheric System?

Chair: H. Rothkaehl

10:15 - 10:30	The role of scale coupling in FAC generation (TBC)	J. Coxon (Invited on-line)
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10:30 - 10:40	Energy and momentum transport in the magnetosphere–ionosphere (M–I) system.	O. Marghitu
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10:40 - 10:50	Field Aligned Currents (FACs) response to the MHD instabilities in the Earth's magnetosphere	S. Ivanosky
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Coffee Break (10:50-11:50)

### Plasma Observatory Working Groups I

Chair: M. Berthomier

11:50 - 12:00	The PO Multi Point and Advanced Data Analysis Methods WG	A. Chasapis (invited)
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12:00 - 12:15	Multi-spacecraft missions and the data analysis methods	H. Fu (Invited)
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12:15 - 12:30	Novel multi-point, multi-scale analysis methods in development for HelioSwarm	K. Klein (Invited, on-line)
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12:30 - 12:40	The PO Numerical Simulations Working Group	M. Alho (invited)
12:40 - 12:50	Characterising Sub-Grid-Scale Effects on the Ohms Law Terms in Hybrid Simulations of Turbulence at the Earth's Magnetosheath	J. Agudelo
12:50 - 13:00	Modelling the solar wind interaction with Earth using Amitis	E. Krämer
13:00 - 13:10	The PO Plasma Astrophysics WG	O. Pezzi (invited)
13:10 - 13:20	Statistical Analysis of Solar Flares properties during solar cycles 21, 22, 23 and 24	Lorenzo Biasiotti

Lunch (1330 - 1430)

14:30 -14:45	Scale Coupling in Space Plasmas: Plasma Observatory as the way forward	A. Vaivads (Invited)
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14:45 - 15:45	Round Table: Towards a new era of Space Plasma Physics (moderated by A. Vaivads, L. Kepko, R. Nakamura, K. Genestreti, K. Klein, V. Angelopoulos, Y. Saito)	
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Coffee Break (1545 - 1615)

Plasma Observatory Working Groups II  
Chair: C. Norgren

16:15 - 16:25	The PO Synergies/Additional Science WG	S. Bennella (invited)
16:25 - 16:35	Probing radial transport and energization of energetic electrons in the inner magnetosphere through relativistic electron flux oscillations	T. Sarris
16:35 - 16:45	Influence of CIRs on relativistic electron enhancements in geospace	C. Katsavrias
16:45 - 16:55	The PO Ground-Based WG	M. Taylor/J. Rae (invited)

16:55 - 17:05 The PO Public Outreach WG

C. Forsyth  
(invited)

17:05 - 17:10 PO ERC WG ?

M. Taylor

17:10 - 17:45 Conclusions

All