



UMEÅ UNIVERSITY

Swedish Space Plasma Physics Meeting in Umeå Umeå February 15-16, 2018

Location

Carl Kempesalen (KBE303) in the KBC building, Umeå main campus. See the map and travel information at <http://www.kbc.umu.se/english/about-kbc/map/>

Poster boards will be available in the area outside Carl Kempesalen where coffee is also served.

There are several options where you can buy lunch during the meeting, for example Restaurang Lingon in the Universum building, Hansson and Hammar at IKSU Sport, and a cafeteria in the KBC building.

Programme

Thursday February 15

Welcome and overviews

13.00-13.10	M. Hamrin	Welcome, organizational matters
13.10-13.40	M. André	IRF RPF overview
13.40-13.50	J. Kero (H. Nilsson)	IRF STAR overview
13.50-14.20	S. Barabash	IRF SSPT overview
14.20-14.50	G. Marklund	KTH overview
14.50-15.00	M. Hamrin	UmU overview
15.00-15.30	<i>Coffee, posters, discussions</i>	

Talks, 12 min

15.30-15.45	Y. Futaana	Energetic neutrals for space environment monitoring
15.45-16.00	U. Brandström	Kiruna Atmospheric and Geophysical Observatory (KAGO) and ALIS_4D - status, possibilities and future plans
16.00-16.15	C.-F. Enell	EISCAT 3D- overview of the system and its e-infrastructure
16.15-16.30	A. Pellinen-Wannberg	EISCAT_3D as an extra-terrestrial matter monitor
16.30-16.45	N. Cunningham	Io's recovery from eclipse, observed the in far ultraviolet
16.45-17.00	L. Roth	HST spectral imaging of the Galilean moons Io and Ganymede and simultaneous Juno-UVS observations of the Io footprint
17.00-17.30	<i>Leg stretcher, posters, discussions</i>	

Science blitz, 2 min talks

17.30--18.00	H. Nilsson	The electric fields of a small scale comet ionosphere
	S. Fatemi	Dynamics of the solar wind
	S. Bergman	plasma interaction with Mercury
	J. Lindkvist	The effect of spacecraft
	H. Nilsson	charging on low-energy ion measurements
	E. Yordanova	Comparative bow shocks in the solar system
	E. Behar (H. Nilsson)	Remote sensing the bow shock at a comet using ion data
	G. Stenberg-Wieser	CME evolution and geoeffectiveness
	A. Schillings (H. Nilsson)	The root of a comet tail
	A. Johlander	High time resolution low-energy ion observations with Rosetta
	A. De Spiegeleer	Ion outflow during magnetic storms
	F Johansson	Shock Ripples Observed by MMS
		Periodic oxygen beams in the Earth's magnetotail
		Prospected Machine learning usages for (Langmuir Probe) data analysis

19.30

Dinner

Only for those who have signed up. At restaurant TC (Skolgatan 59, see the map at the end of the program)



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Friday February 16

Talks, 12 min

9.00-9.15	M. Volwerk	A tail like no other(RPC-MAG's view of Rosetta's tail excursion at comet67P/CG)
9.15-9.30	H. Gunell	Why an intrinsic magnetic field does not protect a planet against atmospheric escape
9.30-9.45	Y. Khotyaintsev	Electrostatic Turbulence and Anomalous Effects in Reconnection Diffusion Region
9.45-10.00	A. Eriksson	All is lost: The physics of an outflowing comet ionosphere
10.00-10.05	M. Hamrin	<i>Organizational matters. Next year's meeting?</i>
10.05-10.30	<i>Coffe, posters, discussions</i>	

Splinters 10.30-lunch

Suggested splinters:

Splinter A	Comparative bow shocks in the solar system	J. Lindkvist / H. Nilsson / H. Gunell
Splinter B	Periodic oxygen beams in the Earth's magnetotail	A. De Spiegeleer
Splinter C	EISCAT_3D's opportunities for research in space plasma physics	S. Buchert
Splinter D	Low energy ion measurements with a charged spacecraft	G. Stenberg Wieser / S. Bergman
Splinter E	SPIS / Spacecraft-plasma interaction	F. Johansson

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Restaurant TC. It is accessed from the bus station “Vasaplan” in the city center. Several busses stops there. For example line 2, 5, and 8 (and 1, 9) leaves from various stations near the university, reaching Vasaplan in ~20 minutes. Just remember to hop on into the right direction... ;-)

