



# Outer planet moon - magnetosphere interaction workshop

## Thursday, 5 November 2020

### Oral presentations: Block 1 (14:00 - 15:22)

time	[id] title	presenter
14:00	[58] Invited presentation: The variable energetic charged particle environment of outer planet moons	ROUSSOS, Elias
14:20	[59] Effects of Titan's magnetospheric environment on its atmosphere	REGOLI, Leonardo
14:40	[60] Ambient magnetic and plasma conditions at moon orbits	ACHILLEOS, Nicholas
15:00	[61] Modelling of Energy-Transfer Processes at Ganymede's Upstream Magnetopause	KAWEEYANUN, Nawapat
15:20	[62] Io plasma torus and Jovian aurora activities seen by Hisaki: Recent result, current status, and future plan	TSUCHIYA, Fuminori

### Oral presentations: Block 3 (17:20 - 19:20)

time	[id] title	presenter
17:20	[67] Invited presentation: Variability of the Galilean moon plasma environment and implications for moon-magnetosphere interactions	BAGENAL, Fran
17:40	[68] The Io and Europa plasma tori as potential ultra-low-frequency resonators	MANNERS, Harry
18:00	[69] The Io-torus interaction as seen through a telescope	SCHMIDT, Carl
18:20	[70] Determining the Io volcanic source with Hisaki neutral oxygen observations and 3D modeling	SMITH, Howard
18:40	[71] Plasma flow around a satellite with an ionosphere: Theoretical models of the moon-magnetosphere interaction	CRARY, Frank
19:00	[76] Pickup ions in the outer solar system	COATES, Andrew

# Friday, 6 November 2020

## **Oral presentations: Block 4 (14:00 - 15:20)**

time	[id] title	presenter
14:00	[91] Low-energy electrons in Saturn's inner magnetosphere from the Cassini Langmuir Probe	XYSTOURIS, George
14:20	[92] The Langmuir probe observations of the dust and plasma at Enceladus plume and the E-ring	MOROOKA, Michiko
14:40	[93] Fast and Slow Water Ion Populations in the Enceladus Plume	HAYTHORNTHWAITE, Richard
15:00	[95] Remote Detection of Surface Charging at Saturn's Icy Moons	JONES, Geraint

## **Oral presentations: Block 5 (15:30 - 16:50)**

time	[id] title	presenter
15:30	[85] Invited presentation: Moon-magnetosphere interactions of Io and Enceladus: A high-resolution, in-situ parametric study	SULAIMAN, Ali
15:50	[86] Moon-induced auroral radio emission in the outer solar system	LOUIS, Corentin
16:10	[87] Triton Plasma Interactions	HOLMSTROM, Mats
16:30	[89] Investigating the energy inputs to Triton's enigmatic ionosphere	NORDHEIM, Tom

## **Oral presentations: Block 6 (18:00 - 19:20)**

time	[id] title	presenter
18:00	[100] Invited presentation: Connecting the Galileo particle, plasma, and field data with ionospheric, exospheric, and MHD models	GALAND, Marina
18:20	[101] Detectability of subsurface oceans and their flows by JUICE	MUELLER-WODARG, Ingo
18:40	[102] Investigating the origin of sulfur-bearing species on the Galilean moon Callisto	CARTWRIGHT, Richard
19:00	[103] Interaction of plasma with the surface of icy moons: insights from laboratory experiments	GALLI, André