

Schedule - Week 1 – Inner Solar System – Moon, Venus, Mars, Mercury, Comets, and their environments

Tuesday, 8/13	Wednesday, 8/14	Thursday, 8/15	Friday, 8/16
		9.00 – 9.30 Recap from day before – Workshop results	9.00 – 9.30 Recap from day before – Workshop results
10.00 – 11.00 Welcome, logistics, introduction of participants and lecturers (<i>L. Roth</i>)	9.00 – 10.15 <i>Introduc. lecture 4 (N. Ivchenko)</i> Spacecraft instrumentation for electromagnetic environments	9.30 – 10.30 <i>Lecture by K. Retherford</i> UV spectroscopy to explore planetary atmospheres	9.30 – 10.30 <i>Lecture by E. Odelstad</i> Coma and plasma environment of a comet
<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>
11.00 – 12.00 <i>Introductory lecture 1 (L. Roth)</i> An overview of the Solar System	10.45 – 12.00 <i>Lecture by K. Retherford</i> The Moon: surface, atmosphere, mini-magnetospheres	11.00 – 12.00 <i>Lecture by Y. Futaana</i> Particle detectors to explore planetary atmospheres	11.00 – 12.00 <i>Lecture by E. Odelstad</i> Rosetta mission to comet 67P / Measuring plasma waves at 67P
<i>12.00 – 13.00 Lunch</i>	<i>12.00 – 13.00 Lunch</i>	<i>12.00 – 13.00 Lunch</i>	<i>12.00 – 13.00 Lunch</i>
13.00 – 14.30 <i>Intro. lecture 2 (L. Roth)</i> Planetary environments: atmospheres, ionospheres, etc.	13.00 – 14.30 <i>Lecture by Y. Futaana</i> Upper atmospheres of Mars and Venus: Plasma interactions and crustal magnetic field effects	13.00 – 14.30 <i>Lecture by T. Karlsson</i> Mercury's magnetosphere and exosphere, <i>BepiColombo</i> mission	13.00 – 15.00 <i>Workshop on cometary comae, waves, Rosetta data</i>
<i>14.30 – 15.00 Coffee break</i>	<i>14.30 – 15.00 Coffee break</i>	<i>14.30 – 15.00 Coffee break</i>	
15.00 – 16.30 <i>Introduc. lecture 3 (N. Ivchenko)</i> Remote-sensing of planetary environments	15.00 – 17.00 <i>Workshop (Retherford, Futaana)</i> Volatiles in atmospheres of the Moon and Mars	15.00 – 17.00 <i>Workshop (T. Karlsson)</i> Mercury magnetosphere	<i>Visit to Vasa Museum (Guided tour at 16:00)</i>
16:30 <i>Short film "Wanderers" / Discussion with Erik Wernquist</i>			
~17:00 (after the lectures) <i>Welcome Mingle at KTH</i>			<i>Saturday: Kayak trip around Kungsholmen - Meet at 11.00 am</i>

Schedule - Week 2 – Outer Solar System – Gas giants and their moons and environments

Monday, 8/19	Tuesday, 8/20	Wednesday, 8/21	Thursday, 8/22
	9.00 – 9.30 Recap from day before – Workshop results (<i>students</i>)	9.00 – 9.30 Recap from day before – Workshop results (<i>students</i>)	9.00 – 9.30 Recap from day before – Workshop results (<i>students</i>)
9.00 – 10.15 <i>Lecture by K. de Kleer</i> Jupiter’s system and the Galilean moons	9.30 – 10.30 <i>Lecture by B. Bonfond</i> Jupiter & Saturn, aurorae and upper atmospheres	9.30 – 10.30 <i>Lecture by C. Plainaki</i> Icy moon atmospheres I	9.30 – 10.30 <i>Lecture by Jan-Erik Wahlund</i> The Cassini mission and highlight of Saturn system explorations
<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>
10.45 – 12.00 <i>Lecture by K. de Kleer</i> The volcanic moon Io and its atmosphere	11.00 – 12.00 <i>Lecture B. Bonfond</i> When moons create aurora: the satellite footprints on Jup. & Sat.	11.00 – 12.00 <i>Lecture by C. Plainaki</i> Icy moon atmospheres II	11.00 – 12.00 <i>Lecture by Jan-Erik Wahlund</i> In-situ measurements at a Gas Giant by a Swedish instrument
<i>12.00 – 13.00 Lunch</i>	<i>12.00 – 13.00 Lunch</i>	<i>12.00 – 13.00 Lunch</i>	<i>12.00 – 13.00 Lunch</i>
13.00 – 14.30 <i>Lecture by A. Blöcker</i> Interaction of Io with Jupiter’s magnetosphere	13.00 – 14.30 <i>Lecture by A. Blöcker</i> Plasma Interaction and magnetic induction at Jupiter’s moons	13.00 – 14.00 <i>Discussion & Presentations of projects by participants</i>	13.00 – 14.00 Wrap-up and hej då!
<i>14.30 – 15.00 Coffee break</i>	<i>14.30 – 15.00 Coffee break</i>	<i>14.00 – 14.30 Coffee break</i>	
15.00 – 17.00 <i>Workshop (K. de Kleer)</i> Measuring Io’s volcanic activity	15.00 – 17.00 <i>Workshop (A. Blöcker)</i> How to detect a subsurface ocean in a moon of Jupiter with magnetic field data	14.30 – 16.30 <i>Workshop (C. Plainaki)</i> Particle release from an icy surface	
		19:00 - Farewell “Man in the moon” pub (Tegnérgatan 2C)	