

REGOLITH ON SOLAR SYSTEM BODIES

Workshop held in Paris Observatory - CIAS on December 1-3, 2010

PROGRAMME

Wednesday December 1st, 2010

POLARIMETRY SESSION dedicated to the memory of A. DOLLFUS (1924-2010)

Chairperson Alberto Cellino

14.00	Registration & opening
14.30	CELLINO Alberto (<i>Torino Obs., Italy</i>). Recent results in asteroid polarimetry
15.00	GIL-HUTTON Ricardo (<i>Casleo/Univ. San Juan, Argentina</i>). The polarimetric survey of main belt asteroids
15.30	EJETA Chemeda (<i>Max-Planck Institute for Solar system Research, Germany</i>). Spectropolarimetry of the two sides of Saturn's Moon Iapetus
16.00	Coffee-break
16.30	BELSKAYA Irina (<i>Paris Obs., France/Kharkiv Univ., Ukraine</i>). Polarimetry of transneptunian objects and Centaurs
17.00	LEVASSEUR-REGOURD Anny-Chantal, HADAMCIK Edith (<i>Univ. Paris 6/LATMOS-IPSL, France</i>). Tentative searches for parent bodies of meteorites, from polarimetric properties of regolithic surfaces; the case of 21 Lutetia
17.30	HADAMCIK Edith, LEVASSEUR-REGOURD Anny-Chantal (<i>Univ. Paris 6/LATMOS-IPSL, France</i>). Laboratory simulations of asteroidal regoliths
18.00	ZUBKO Evgenii (<i>Helsinki Univ., Finland/ Kharkiv Univ., Ukraine</i>). Similarity in the negative polarization produced by comets and dark asteroids
18.30	Welcome glass

Thursday December 2nd, 2010

Chairperson Patrick Michel

10.00	DOTTO Elisabetta (<i>Rome Obs., Italy</i>). Observations of asteroids in the thermal infrared
10.30	DELBO Marco (<i>OCA, Nice, France</i>). The nature of the regolith on minor bodies from observations in the thermal infrared
11.00	Coffee-break
11.30	LIBOUREL Guy (<i>CRPG-CNRS, Nancy, France</i>), DELBO Marco (<i>OCA, Nice, France</i>). Thermal fatigue experiments on chondritic materials and asteroidal regolith formation
12.00	MICHEL Patrick (<i>OCA, Nice, France</i>). Numerical simulations of granular dynamics: method and tests
12.30	TANCREDI Gonzalo (<i>Depto. Astronomía, Fac. Ciencias/Obs. Astron. Los Molinos, MEC, Uruguay</i>). Application of Granular Physics to impact processes on asteroids and comets

13.00	Lunch
14.00	Tour of the Meudon Observatory and/or snowball fight
14.30	MUINONEN Karri (<i>Helsinki Univ., Finland</i>). Coherent backscattering in planetary regoliths
15.00	SHKURATOV Yuriy, KAYDASH Vadym (<i>Kharkiv Univ., Ukraine</i>). Surprises of the Hapke photometric model
15.30	SHEVCHENKO VasyI, BELSKAYA Irina (<i>Kharkiv Univ., Ukraine</i>). Regolith of low albedo asteroids from photometric data
16.00	Coffee-break
16.30	KRUGLY Yuriy (<i>Kharkiv Univ., Ukraine</i>), GOLUBOV Oleksiy (<i>Heidelberg University, Germany</i>). Can small boulders spin up asteroids?
17.00	MERLIN Frederic (<i>Paris Obs./Univ. Paris 7, France</i>). Variegated chemical and physical properties of the surface of TNOs
17.30	BIRLAN Mirel (<i>IMCCE, Paris Obs., France</i>). Spectral data of asteroids revealing the mineralogy of surfaces
18.00	MARCHI Simone (<i>OCA, Nice, France</i>). On the puzzle of space weathering time scale on asteroids
18.30	Cocktail

Friday December 3rd, 2010

Chairperson Antonella Barucci

10.00	KAYDASH Vadym, SHKURATOV Yuriy (<i>Kharkiv Univ., Ukraine</i>). Identification of the anomalies in the lunar regolith structure with the phase-ratio imagery
10.30	DELL'ORO Aldo (<i>Torino Obs., Italy</i>). GAIA and asteroid sizes estimation: the impact of the scattering law
11.00	Coffee-break
11.30	FORNASIER Sonia (<i>Paris Obs./Univ. Paris 7, France</i>). Surface physical properties of (21) Lutetia: Results from OSIRIS observations during the Rosetta fly-by
12.00	FULCHIGNONI Marcello (<i>Paris Obs./Univ. Paris 7, France</i>). What have we learned from space missions to asteroids?
12.30	Closing remarks
13.00	Lunch

Abstracts of the presentations are available at <http://lesia.obspm.fr/RegolithWorkshop/>