

Stardust ITN - Local training workshop: *Collisions in the Solar system*

11-13 February 2015, Belgrade, Serbia

Preliminary Programme

Wednesday, 11.02.2015

8:30 - 8:55 Registration
8:55 - 9:00 Opening
9:00 - 9:15 **M. Vasile:** Stardust project presentation
9:15 - 10:00 **K. Tsiganis:** Chaotic diffusion in asteroid families **(invited review)**
10:00 - 11:00 **K. Tsiganis:** mini-project/tutorial
11:00 - 11:30 Coffee break
11:30 - 11:50 **V. Sidorenko:** Dynamics of 'jumping' Trojans: Perturbative treatment
11:50 - 12:10 **K. Frantseva:** Delivery of organic material and water through asteroid impacts
12:10 - 12:30 **N. Todorovic:** Asteroid Belt and the Fast Lyapunov Indicator
12:30 - 14:15 Lunch
14:15 - 15:00 **A. Rossi:** Consequences of impacts in low and geosynchronous orbits **(invited review)**
15:00 - 16:00 **A. Rossi:** mini-project/tutorial
16:00 - 16:20 **M. Jankovic:** Robotic concept for capture and manipulation of a Kosmos 3M second stage
16:20 - 17:00 Coffee break / poster session
17:00 - 17:30 **A. Milani:** complementary skill lecture
17:30 - 19:00 Working groups (only for Stardust ER/ESRs)

Thursday, 12.02.2015.

9:00 - 9:45 **P. Tanga:** The contribution of Gaia to Solar System science **(invited review)**
9:45 - 10:05 **M. Delbo:** Asteroid regolith formation: impacts vs thermal fatigue fragmentation
10:05 - 10:25 **T. Henych:** Subcatastrophic collisions between asteroids
10:25 - 11:15 Coffee break
11:15 - 12:00 **M. Brož:** Simulations of asteroid families --- knowns and unknowns **(invited review)**
12:00 - 12:20 **A. Milani:** Chronology of the asteroid families
12:20 - 12:40 **A. Cellino:** The interesting case of the Watsonia family
12:40 - 13:00 **M. Kim:** Rotational properties of Maria asteroid family
13:00 - 14:40 Lunch
14:40 - 15:00 **C. Maurel:** Dynamical characterization of the Hoffmeister asteroid family
15:00 - 15:20 **V. Radovic:** Excluding interlopers from asteroid families
15:20 - 15:40 **G. Tsirvoulis:** Dynamical properties of the Watsonia asteroid family
15:40 - 16:00 **C. Avdelidou:** Survival of the impactor during hypervelocity collisions
16:00 - 16:20 **E. Guzel:** Physical Properties of Karin Asteroid Family
16:20 - 17:00 Coffee break
17:00 - 18:15 Asteroid families: round table discussion
20:00 - **Workshop dinner**

Friday, 13.02.2015.

9:00 - 9:45 **D. Koschny:** Optical observations of asteroids (**invited review**)
9:45 - 10:45 **D. Koschny:** mini-project/tutorial
10:45 - 11:15 Coffe break
11:15 - 12:00 **M. Granvik:** Asteroid Surveys and Population Modelling (**invited review**)
12:00 - 13:00 **M. Granvik:** mini-project/tutorial
13:00 - 14:30 Lunch
15:00 - 17:30 Reception at AOB
19:00 - 20:00 **Public lecture - A. Milani:** Asteroids, meteorites, impacts

End of the workshop

List of poster presentations:

V. Busarev: Observational evidences of early dynamical and collisional processes
E. Feoktistova: Morphometric features of the lunar impact craters
Kh. I. Ibadinov et al: The Collision of Comets Nucleus with Meteoroids
B. Kondratyev: About the centrifugal mechanism of formation of grooves on Phobos and other small asteroids
A. Sakhnova: On the problem of hazardous meteoroids migration from main asteroid's belt
E. Tikhomirova: The model of a new meteor stream
V.V. Troianskyi, O.A. Bazyey: The evolution of the orbits of multiple near-Earth asteroids