



STARDUST

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SPACE RESEARCH TO SAVE OUR FUTURE

STARDUST: mini-symposium on asteroids

Dear Colleagues,

we would like to draw your attention to the mini-symposium on asteroids that will be organized within the **Stardust Final Conference on Asteroids and Space Debris**, which will be held at ESA-ESTEC (The Netherlands), 31st October - 4th November, 2016.

The mini-symposium will take place over two days (31st October and 1st November), and will focus on Collision among Solar System objects. It will consist of two sessions entitled: "*Collision rates and impact risks*" and "*Asteroid origins and characterization*". The aim of each session is to review the state-of-the-art of the corresponding lines of research, but also to present ongoing projects, and to discuss directions for the future developments.

Main Topics:

Session 1: Collision rates and impact risks

- Methods to estimate collisional probabilities
- Velocity distributions among colliding objects
- Observational constraints on collision rates
- Outcomes of impact events
- Methods for asteroid orbit determination
- Probability of Collisions with Earth
- Post-mitigation impact probability

Session 2: Asteroid Origins and Characterization

- Asteroid taxonomic classifications
- Internal structure of asteroids
- The near-Earth asteroid population models
- Origins of near-Earth asteroids
- Double and multiple asteroids (theory and observations)

Keynote speakers:

Dagmara Oszkiewicz - Lowell Observatory, AZ, USA
Hans Rickman - Astronomical Observatory, Uppsala, Sweden

Important dates:

TBA

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<http://www.stardust2013.eu/Training/Conferences/StardustFinalConference/tabid/5484/Default.aspx>