

**STARDUST FINAL CONFERENCE ON ASTEROIDS AND SPACE DEBRIS**

31st October - 4th November 2016 held at ESA-ESTEC in the Netherlands

SYMPOSIUM ANNOUNCEMENT**Title of the Symposium**

Space Robotics for Asteroid Exploration and Debris Mitigation/Remediation.

2nd November 2016 from 10 am to 3 pm

The symposium will cover a range of topics, including, but not limited to

- In orbit robotic path planning and control
- Operational modes of robots in microgravity
- Landing and locomotion in microgravity
- Methods and hardware for robotic capture of non-cooperative targets
- Computer vision for pose estimation and inspection
- Interaction of the robotic control with the GNC of the spacecraft
- Hardware-in-the-loop facilities for testing space robotics
- Design of distributed hardware and software for heterogeneous robotic systems, robot operating systems and reconfigurable robot teams
- Tele-operation, tele-presence and latency handling in space robotics
- Artificial intelligence, learning and autonomy concepts for space robotics

Keynote talk

Gianfranco Visentin (ESA)

“Robotics for proximity and contact operations in negligible gravity: a system perspective.”

Registration

- All conference attendees must register and pay the corresponding registration fee
- Deadline for paper submissions 31st July 2016
- For each accepted paper at least one registration as presenting author is required
- The presenting author must register to ensure the inclusion of the paper in the proceedings

Publishing

Accepted papers will be included in a book of proceedings to be published after the conference.

Virtual attendance:

Given the global nature of the asteroid and debris threat, institutions outside Europe can join in virtually through internet media.

Please contact the organizers regarding the availability and functionality of this arrangement.

Website:

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

The organizers of the final conference:

Massimiliano Vasile, Edmondo Minisci, Peter McGinty (University of Strathclyde)

Leopold Summerer (ESA-ESTEC)

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The organizers of the symposium:

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