



GNF Programme

Wednesday 25 March, 2015

18:00 – 21:00

IAF Spring Meetings

24 – 26 March 2015

Paris, France

CAP 15, 1 – 13 Quai de Grenelle, 75015, Paris



18:00 – 19:45

Unlocking the Mysteries of our Solar System:

Recent Developments from the Dawn, Hayabusa and Rosetta Missions

Space programs around the globe are currently engaged in trying to unlock some of the mysteries of our Solar System by sending robotic spacecraft to some of its small bodies. NASA's Dawn mission has orbited and examined one member of the main asteroid belt, *Vesta*, and this month has just achieved orbit around a second, the dwarf planet *Ceres*. In December Jaxa launched the Hayabusa2 mission, which will explore asteroid **(162173) 1999 JU3** and then return samples to the earth. In August ESA's Rosetta mission arrived at comet *67P/Churyumov-Gerasimenko*, and then in November deployed the Philae lander to the surface.

The panellists will give brief overview presentations of these three exciting missions, and a moderated discussion and audience Q&A session will follow.

Speakers:

- **James Graf**, Dawn Mission, NASA/JPL
- **Prof. Hitoshi Kuninaka**, Hyabusa2 Mission, JAXA
- **Prof. Mark McCaughrean**, Rosetta Mission, ESA
- **Prof. Berndt Feuerbacher**, Rosetta Mission, IAF Past President

Moderator:

- **Prof. Christian Sallaberger**, Chairman, IAF Space Exploration Committee

19:45 – 20:00

**Sierra Nevada Corporation presentation of the
Autonomous Version of the “Dream Chaser”**

SNC’s Dream Chaser spacecraft is a multi-mission-capable space utility vehicle (SUV) suitable for crewed or uncrewed missions. The Dream Chaser Cargo System is an uncrewed system developed to provide cargo transportation services to the International Space Station (ISS). The Dream Chaser Cargo System utilizes a mission variant of the Dream Chaser crewed spacecraft that meets or exceeds all of NASA’s goals for cargo transportation to the ISS, including rapid return of critical science.

Speaker:


 **Mark Sirangelo**, Sierra Nevada Corporation’s Space Systems

20:00 – 21:00

Sierra Nevada Corporation Press Conference

Speakers:

 **Mark Sirangelo**, Sierra Nevada Corporation’s Space Systems

 **Luciano Saccani**, Sierra Nevada Corporation’s Space Systems





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