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The Keck Institute for Space Studies  
presents an open lecture:

# Artificial Intelligence Support of Rosetta Orbiter Science Operations

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**Wednesday, November 2, 2016**

**4:30 PM Refreshments  
5:00 PM Lecture**

**Lees-Kubota Lecture Hall  
Guggenheim Building  
California Institute of Technology**

On September 30th 2016, the European Space Agency's Rosetta Mission ended with the Rosetta Orbiter landing on the surface of the comet 67P/Churyumov-Gerasimenko. While it is well known that this historic mission was the first mission to deploy a soft lander to a comet (Philae) and to escort a comet for two years, it was also a pathfinding space mission from the perspective of Operations and Computer Science in its usage of the Artificial Intelligence planning and scheduling software for early to mid-range science activity scheduling and data downlink scheduling. Come hear about the Rosetta mission: science, operations, and the use of Artificial Intelligence to support Rosetta Orbiter operations.

No registration is required for this open lecture.  
Seating is limited and is available on a first come, first served basis.