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**Aerodynamics Technical Committee,
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"Jules Verne and ISS"

**European Space Agency's Automated Transfer Vehicle (ATV)
First Rendezvous and Docking for a European Spacecraft**

by

Brian Rishikof/Odyssey Space Research

Date: March 24, 2004 (Wednesday)

Time: Noon - 1:00 pm

Place: NASA/JSC Building 16, Conference Room 111/113

Please join us, bring your lunch and a friend, and listen to Brian's presentation

Topic: The mission of the first Automated Transfer Vehicle (ATV), named *Jules Verne* in honor of the 19th century French author, to the International Space Station (ISS), will mark the first rendezvous and docking for a European spacecraft. It will also represent the most demanding and complex of eight ATV missions planned from 2005 to 2014 to re-supply the ISS. It is up to *Jules Verne* to demonstrate that, under the responsibility of the ATV Control Center (ATV-CC) in Toulouse, it can automatically and safely handle any contingency plans for the safety of the ISS and its crew. This demonstration flight must test and prove all critical in-flight safety functions before being permitted to proceed with docking, including testing its safety critical abort functions.

Speaker: Brian Rishikof is a manager and technical lead at Odyssey Space Research, L.L.C. Brian has spent the last 5 years leading the team performing NASA's independent assessment of the ATV vehicle GN&C and Rendezvous, Proximity Operations and Capture design in support of ISS integration and safety, first at Titan Corporation, and now at Odyssey. He spent the first 9 years of his career at Boeing/McDonnell Douglas supporting various GN&C development, research and analysis projects, including the Space Shuttle and proposed derivatives, the IRIDIUM constellation of satellites and experimental programs such as Moon and Mars human mission architectures. Brian has a M.S.E. (Aerospace) from the University of Michigan (Ann Arbor), a M.S. in Physical Sciences (Space Science) from the University of Houston (Clear Lake) and a B.Eng. (Mechanical - Aeronautics Option) from McGill University in Montreal.

AIAA membership is not required. If you plan to attend, please leave contact information with Pdraig Moloney at 281-483-5917 or secretary@aiaa-houston.org. **Please contact Pdraig in advance if you require JSC badging (3 days for citizens, 2.5 - 3 weeks for non-citizens)**

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