



Cologne Geosciences Colloquium

Fortnightly on Mondays at 5:00 pm

Geo-/Bio-Hörsaal

for members and staff of the Department of Geosciences,
doctoral students, Masters' students and other interested people



Monday 19th January 2015

Berndt Feuerbacher

Director Emeritus
Institute of Space Simulation
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Chair of Space Physics
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“Rosetta, Philae and the Comet”



Abstract: Ten years ago the mission Rosetta started its journey to comet 67P/Churyumov-Gerasimenko, where it arrived on August 6, 2014. Since that time, thorough scientific investigations have been performed by the payload instruments of Rosetta, creating a new perspective on the nature of comets and thus considerably contributing to a better understanding of the origin of our solar system.

The Rosetta mission carried a small landing device named Philae. It was detached on November 12, 2014 to perform the first soft landing ever on a comet.

The presentation will give insight in the long itinerary of the Rosetta mission, including visits to asteroids on the way out and an unusual hibernation phase. It will focus on first results about the highly structured surface of the comet core with complex and unexpected features. The separation, descent and landing of Philae will be described and first scientific investigations will be discussed.

Now is time to propose speakers for summer semester 2015

For questions or suggestions contact Dr Karin Boessenkool (kboessen@uni-koeln.de; phone: 470 5925)

For the latest schedule check: www.geosciences.uni-koeln.de/colloquium.html