

Geowissenschaftliches Kolloquium

New results from NASA's lunar gravity mapping mission GRAIL

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The Gravity Recovery and Interior Laboratory (GRAIL, NASA) mission mapped the Moon's gravity field to unprecedented accuracy with the objectives of determining the Moon's interior structure from the crust to its core. In this presentation, a review of the most recent results from the GRAIL mission will be given, including the structure of large impact basins, subsurface magmatism, the density and porosity of the lunar crust, and constraints on interior structure.



Dr. Wieczorek's research focuses on using geophysical data and remotely sensed geochemical data to decipher the interior structure and geologic evolution of the terrestrial planets and moons. He is a co-investigator associated with several planetary missions, including GRAIL, BepiColombo, JUICE, InSight and Psyche. He is currently a director of research at the Observatoire de la Côte d'Azur, France.

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