

Geowissenschaftliches Kolloquium

Impact cratering in nature and experiment

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The super bolide event of Cheljabinsk, Russia, last year has documented quite plainly, that the risk of impact events on Earth is not negligible. This presentation introduces to the probability of such events and gives up-to-date information on natural and experimental impact crater research. Terrestrial and planetary impact craters yield the basic ground truth data to understand the impact process. Complementary data comes from impact experiments that are conducted in Freiburg in the framework of the DFG research unit MEMIN.

Prof. Dr. Thomas Kenkmann holds the chair of geology and structural geology at the Albert-Ludwigs-University Freiburg since 2010. He studied geology and paleontology at the University Cologne and received a Ph.D at the Free University Berlin in 1997. In 2003 he completed his habilitation on impact cratering processes at Free University Berlin. Thomas Kenkmann worked as a scientist and curator at the GFZ Potsdam and the Museum of Natural History Berlin. Since 2009 he is speaker of the DFG research unit FOR-887 Multidisciplinary Experimental and Modeling Impact Research Network. His research field comprises various aspects of impact cratering in the solar system and fast deformation processes.



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