

## Conception of China's Small-Body Exploration

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### Abstract

Deep-space exploration is expanding to the small-bodies from the major planets, for the small-body explorations greatly enhance our understanding of the solar system formation process. This presentation firstly provides the overview of the Chang'e-2 Toutatis asteroid flyby mission, in which the backgrounds, operations, mainly scientific and technical achievements of the mission are summarized. Secondly, the presentation gives a brief introduction on the science objectives, mission operations and science payloads of Chinese future small-body exploration. The technical approaches of the key mission phases including approaching, landing, sampling and reentry are discussed.