

**Exploring Asteroids:
Our close and (sometimes) dangerous neighbors**

小行星探測：親密而偶有危險的鄰居

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Abstract

Asteroids frequently pass closely by the Earth, occasionally impacting and sometimes with devastating consequences for life. The last few decades of space exploration and scientific research have completely turned our knowledge about asteroids inside out – showing them to be fascinating small worlds with their own exciting lives. This talk will focus on these recent discoveries and describe what we now think asteroids are like and what humanity's current exploration plans are for these bodies.

摘 要

小行星時常很近地掠過地球周邊，偶爾也會墜落、撞擊地表，並且給地球的生命帶來災害性的後果。過去幾十年的太空探測和科學研究，已經完全翻轉我們對小行星的知識：證據顯示在它們的精彩的生命歷程裡，每一顆小行星都是一個迷人的小小世界。本場演講將聚焦於小行星相關的最新發現，並說明科學界現在對小行星的認識，以及人類目前對這些天體的探索計劃。