



**NCU-GISS**

國立中央大學太空科學研究所  
Graduate Institute of Space Science

## 專題演講

# IDEASSat(飛鼠號) Preliminary Design Review

Speaker : **IDEASSat 設計團隊 / 3U 立方衛星計畫審查委員**

中央大學太空所 / 國家太空中心

Time : 106 年 12 月 6 日 星期三 15:00

Place : 健雄館(科四館) S4-811 教室

摘要/Abstract :

IDEASSat (Ionospheric Dynamics Exploration and Attitude Subsystem Satellite) is a 3U CubeSat carrying the Compact Ionosphere Probe and NCU Star Tracker as science payload. The spacecraft mission objectives are to provide scientifically relevant data on ionospheric space weather, while also contributing to the development of indigenous Taiwanese attitude determination capability. Particular challenges include the limited space and power constraints inherent to a small spacecraft, as well as limited bandwidth for data downlink. In this presentation, we report the preliminary design of the IDEASSat spacecraft, as well as related analysis demonstrating the feasibility of this design.

※歡迎聽講※

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