



# SEMINAR 專題演講



國立中央大學 太空科學與工程學系

Department of Space Science and Engineering, National Central University

## Time

Wednesday, August 7,  
2024  
14:00 – 15:00

# Extending the scope of CubeSats technology- A journey with failures

Marius Anger, Jaan Praks

Department of Electronics and Nanoengineering, Aalto University, Helsinki, Finland

## Place

健雄館(科四館)

S4-807 教室

Room S4-807,

Chien-Shiung Building

CubeSats have emerged from simple student projects to useful tools to conduct science. Additionally more and more businesses are emerging that use constellations of CubeSats and Smallsat for their services. Since Aalto University in Finland has launched the first Finnish satellite in 2017, the focus has shifted to see what boundaries can be explored with small satellites.

Marius Anger of the small satellite group of Jaan Praks will present their endeavors to extend the scope of small satellite technologies to orbits beyond Low Earth Orbit. If one wants to push the boundaries one will encounter failures. Using commercial of the shelf components beyond Low Earth Orbit creates several problems that need to be solved. He will present his journey and the associated problems and solutions being involved with five CubeSat projects ranging from 3U student to 6U radiation belt science satellites.