

IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)
On Track: Undergraduate Space Education (3)

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KEYNOTE: FOUR DECADES OF EDUCATIONAL SATELLITES: HOW TO RUN STUDENT SPACE
PROGRAMS

Abstract

As someone who has continually worked on academic small satellites since 1982, Prof. Twiggs has been known as the “Father of the CubeSat” as the co-developer, alongside Prof. Jordi Puig-Suari, of the CubeSat reference design and P-Pod Deployer for miniaturized satellites which has become the de-facto Industry Standard for smallsats with over 2,200 launched since 1998. Alongside the CubeSat, he was responsible for co-developing and promoting other original concepts such as the CricketSat, CanSat, ThinSat and the PocketQub for educational applications in space. Prof. Twiggs will provide a historical perspective of the development of the CubeSat concept and how it has found its place in the satellite community.