

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.