

IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)
Interactive Presentations - IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (IP)

Author: Mr. Juan Manuel Benavides Almonacid
Universidad Nacional Autónoma de México, Mexico

EMPOWERING FUTURE SPACE TALENT: INNOVATIVE EDUCATION AND OUTREACH
PROGRAMS BY IASA

Abstract

The Student Society of Aerospace Engineering (IASA) at the National Autonomous University of Mexico (UNAM) has been actively involved in pioneering innovative space education and outreach programs for undergraduate students. Our initiatives encompass a variety of approaches, including the development and delivery of cutting-edge courses, hands-on project-based learning experiences, and immersive work placements.

This presentation will provide insight into how IASA structures its programs for maximum impact, emphasizing our methodologies for measuring the outcomes and applying the lessons learned to enhance future courses. We will showcase our efforts in professional development for undergraduate educators, highlighting the unique educational methodologies tailored to the needs of aspiring aerospace engineers.

Our work aims to engage a diverse audience of undergraduate students, fostering their passion for space exploration and equipping them with the skills and knowledge necessary to thrive in the aerospace industry. Through careful planning and evaluation, we have gathered quantitative and qualitative data to assess the effectiveness of our programs and inform continuous improvement efforts.

By sharing our experiences and best practices, we hope to contribute to the broader international space community's understanding of effective space education and outreach strategies. Our presentation will offer valuable insights, recommendations, and takeaway messages for educators and organizations seeking to inspire and empower the next generation of space professionals.