



AIAA Guest Speaker Event

Dynamics, Guidance & Control of Autonomous Orbital Systems: from Conception to Flight Experimentation



FEB 12TH 5:00-6pm
Building 197, Room 104



Dr. Marcello Romano

Chair of Astrodynamics, Technical University of Munich (TUM)
Former Professor & Founding Director, Spacecraft Robotics Laboratory

Abstract

The presentation will offer an overview of selected past and present research efforts by Dr. Romano and his collaborators, spanning analysis, laboratory, and on-orbit experimentation. Research projects will be highlighted which focus on automatic control, spaceflight mechanics, orbital robotics, space systems engineering, and space-based sustainability.

Summary Biography

Dr. Marcello Romano is an Italian-American academic researcher, educator, and inventor specializing in astronautical engineering and space technology. Since January 2025, he has served as Full Professor and Head, Chair of Astrodynamics at the Technical University of Munich (TUM). Previously, he was a Professor of Astronautical Engineering and Founding Director of the Spacecraft Robotics Laboratory at the Naval Postgraduate School (NPS).



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