

MECHANICAL ENGINEERING

DIMEAS - ROCOS - robotic systems for space economy

Funded By	Dipartimento DIMEAS
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Context of the research activity	Design and development of robotic systems for space application, targeting both orbital and lunar application.
Objectives	The research focuses on the development of robotic systems for space application, targeting the application onboard a spacecraft for in orbit serving and/or on lunar surface for operation in cooperation with a lunar drone. The Ph.D. candidate will contribute to the design, manufacturing, control and testing of the selected mechanical systems, cooperating with the the research team working on the topic.
Skills and competencies for the development of the activity	Design of mechanical systems; simulation of mechanical system with multibody techniques; control of mechanical systems.