

## ΠΡΟΣΚΛΗΣΗ

Την Τετάρτη 21/01/2026 στις 18:00, Ο Αναπλ. Καθηγητής Μηνάς Λιαροκάπης διοργανώνει μια διάλεξη στο πεδίο της ρομποτικής στην αίθουσα εκδηλώσεων του ΕΜΠ (κτήριο Διοίκησης - Πολυτεχνειούπολη Ζωγράφου) με καλεσμένο έναν εξαιρετικό επιστήμονα από την Αμερική, τον [Dante Lauretta](#), ο οποίος θα μιλήσει για μια σπουδαία αποστολή της NASA.

Speaker: Dante Lauretta

Title: NASA's OSIRIS-REx: Robotic Exploration of Asteroid Bennu for Sample Return

Abstract: NASA's OSIRIS-REx mission relied on a tightly orchestrated robotic system to explore the small, rubble-strewn world of asteroid Bennu and return a sample of its ancient material to Earth. The spacecraft's autonomous navigation, real-time terrain modeling, and precisely actuated sampling arm had to perform in an environment where microgravity, shifting slopes, and meter-scale hazards made human-in-the-loop control impossible. Those engineering capabilities were driven by scientific goals: to obtain pristine carbon-rich material that records the early chemistry of planet formation, water delivery, and prebiotic evolution. The science and robotics formed a single exploratory engine, each enabling the other, to transform Bennu from a distant target into a tangible piece of solar system history.