



TOPIC # - TDC - 101

LAYING POWER OR FIBER OPTIC CABLE ON THE MOON

BACKGROUND

This project will explore the feasibility of laying power or fiber optic cables on the lunar surface. Students will make reasonable assumptions about lunar regolith and develop a conceptual design for a machine that could bury a lightweight cable at a sufficient depth to protect it from vehicle and foot traffic.

DELIVERABLES

A report describing the challenges of developing a working proof of concept, and evaluation techniques and test results.

DESIGN TEAM PROFILE

NASA MENTOR:	Chatwin Lansdowne (chatwin.lansdowne-1@nasa.gov)
LEVEL:	Undergraduate students of any level
MAJOR/DISCIPLINE:	Civil Engineering, Aeronautical Engineering, Mechanical Engineering
TEAMS:	1
DURATION:	One or Two-Semester Project

