

Autonomous Robots for Exploration of Planetary Surfaces

Michael A. Comberiate

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Knott Hall 309

A long-time engineer with NASA, Michael Comberiate has designed subsystems for numerous space projects, including some that have gone to the Moon and beyond. His name rests on the moon inside packages left behind during the Apollo project, while the U.S. Geological Service named a glacier in honor of his contributions to polar and harsh environment Earth science. Michael now works on sensor and electronic packages for robot rovers that can autonomously explore environments such as Antarctica and Greenland.

In his talk he will describe current robotic rovers and giving them sight through 3D laser scanners, and should demonstrate cooperating rovers. For interested students, he will also describe the NASA Engineering Boot Camp and how Loyola students might learn about NASA at the camp and consider pursuing a career at NASA.

The New Seminar Series in the Natural Sciences

This year the six natural science departments embark on a production of notable and accessible topics for the students and faculty in the natural sciences. Each department will provide one speaker over the year, and these talks have been scheduled so that they don't conflict with campus events. The speakers are asked to provide talks to a student audience of varying backgrounds. We hope you will take advantage of these talks, which should be useful and enjoyable.

Dr. Mili Shah
Seminar Coordinator