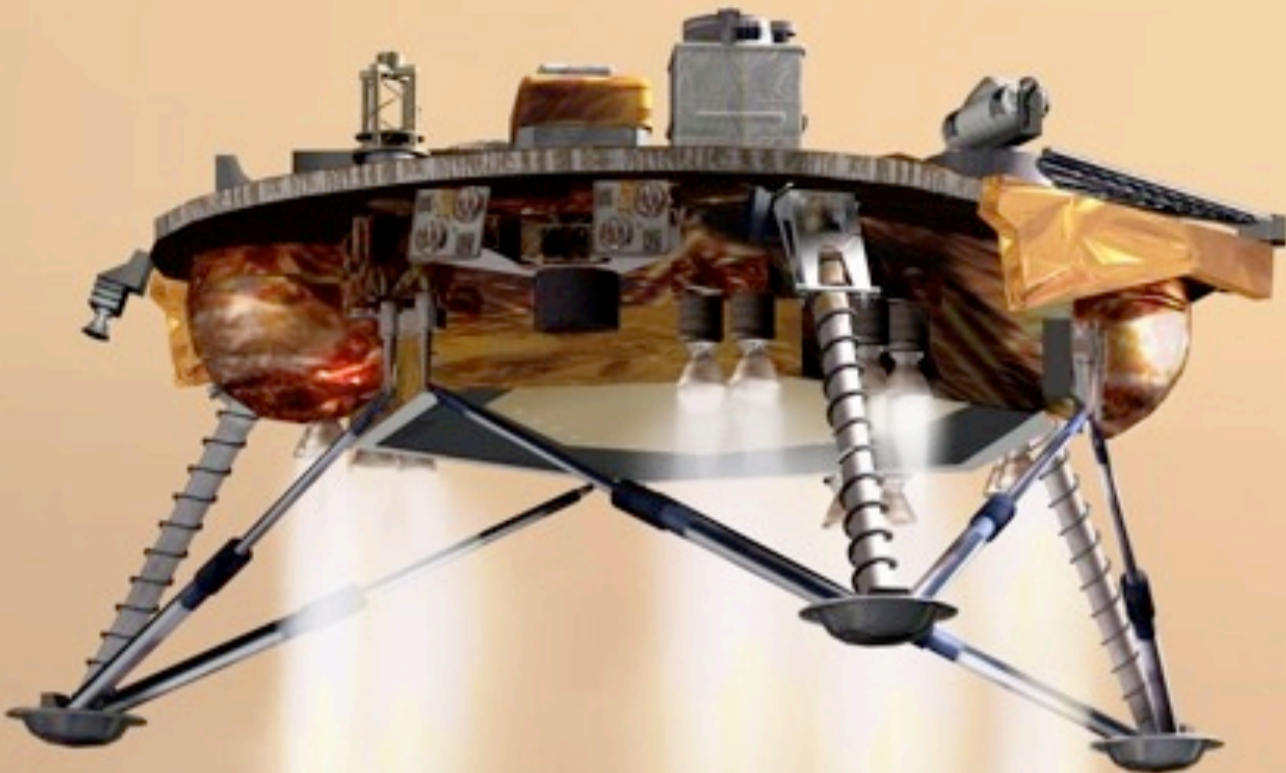


COLUMBIA ASTRONOMY OUTREACH PRESENTS:



# STARGAZING & LECTURE SERIES



## **Martian Summer**

A lecture by Andrew Kessler  
Friday, November 2nd, 7:00PM  
Pupin Hall, Columbia University

In the summer of 2008, author Andrew Kessler spent three months in mission control for NASA's Phoenix Mars mission. The Phoenix lander was the first man-made probe ever sent to the Martian arctic. It's goal was to find out how climate change can turn a warm, wet planet (like Earth) into a cold, barren desert (like Mars). Along the way, Phoenix discovered a giant frozen ocean trapped beneath the north pole of Mars, exotic food for aliens and liquid water. This is a story about modern-day Magellans battling NASA politics, temperamental robots, and the bizarre world of daily life in mission control.

These are free lectures at a public level followed by guided stargazing with telescopes (weather permitting). All events are held at Pupin Hall at Columbia University. No reservations are needed. Lectures are 30 minutes, stargazing lasts 90 minutes. Stay only as long as you want. For directions, weather updates and more information, please visit:

<http://outreach.astro.columbia.edu>