

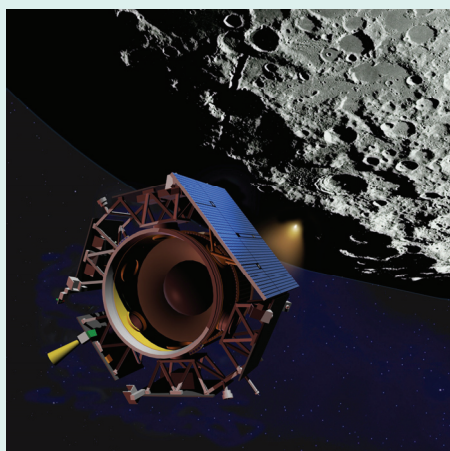
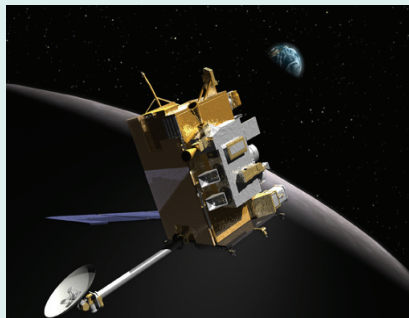
# BACK TO THE MOON

WITH

ANDREW CHAIKIN

The Frontiers of Flight Museum presents space journalist and author Andrew Chaikin speaking on the combined Lunar Reconnaissance Orbiter (LRO) and Lunar CRater and Observation Sensing Satellite (LCROSS) mission. This fascinating dual mission, launched on June 18, is designed to greatly expand our knowledge of the Moon in preparation for future manned exploration.

The LRO will spend at least one year scouting for safe and compelling landing sites, locating potential resources (with special attention to the possibility of water ice) and returning scientific data about the moon's topography and composition. *(Right: The Lunar Reconnaissance Orbiter approaches the lunar north pole with the Earth in the background in this NASA artist's concept.)*



On October 9, 2009, the LCROSS satellite will hopefully acquire significant data from the Moon in a more dramatic fashion, as its upper stage Centaur rocket detaches from the satellite and plunges toward impact in a permanently shadowed crater near the Moon's south pole. Specialized instruments aboard the satellite will observe the plume of material to look for water ice and examine the lunar soil ejected by the impact. *(Left: Artist's rendition of the 2,000-kilogram Centaur upper stage's impact as instruments aboard the LCROSS record data about the material ejected from the crater.)*

Join us in the Hamilton Family Auditorium at 7:00 p.m. on September 30, 2009, as Andrew Chaikin makes this phenomenal space mission come alive with enlightening commentary and remarkable imagery.

Admission to this unique program is FREE for Museum members, \$10 for non-members and \$5 for students. However, seating is limited and reservations are required. Please call (214) 350-1651.

Science journalist, author and speaker Andrew Chaikin is an internationally renowned authority on space exploration. His books include the best-selling chronicle of the Apollo moon missions, *A Man on the Moon*, the main basis for Tom Hanks' Emmy-winning HBO miniseries, "From the Earth to the Moon." Among his most recent books are *Voices From the Moon* (The experiences of 23 Apollo lunar astronauts told in their own words and illustrated with their own spectacular photographs) and *Mission Control, This Is Apollo* (The story of the Apollo Program told for young readers and illustrated with paintings by moonwalker-turned-artist Alan Bean—the first Texan to walk on the Moon).

Mr. Chaikin appears through the courtesy of The NASA Ames Research Center