

# LUCY F. G. LIM

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## Current Employment

- Physical Scientist, NASA/Goddard Space Flight Center, 2005–present

## Education

- **Cornell University** Ithaca, NY  
Ph. D., Astronomy January 2005  
Dissertation Title: *Asteroid Spectroscopy. I. A Thermal Infrared Survey of Asteroids. II. X-ray Fluorescence Spectroscopy of 433 Eros.*  
Advisor: Professor Steven W. Squyres
- **Massachusetts Institute of Technology** Cambridge, MA  
Bachelor of Science, Earth, Atmospheric, and Planetary Sciences June 1998  
Minors in Physics and Literature

## Peer-Reviewed Publications

- Lim, L. F. and Nittler, L. R. “Elemental Composition of 433 Eros: New Calibration of the NEAR-Shoemaker XRS Data.” Submitted to *Icarus*, October 2007.
- Foley, C. N., Nittler, L. R., McCoy, T. J., Lim, L., Brown, M. R. M., Starr, R. D., Trombka, J. I. “Asteroid 433 Eros: A Space-weathered Ordinary Chondrite Parent Body.” *Icarus* **184**, 338-343, 2006.
- Lim, L. F., McConnochie, T. H., Bell, J. F. III, Hayward, T. L. “Thermal infrared (8–13  $\mu\text{m}$ ) spectra of 29 asteroids: the Cornell Mid-Infrared Asteroid Spectroscopy (MIDAS) Survey.” *Icarus* **173**, 385-408, 2005.
- Nittler, L. R., Starr, R. D., Lim, L., McCoy, T. J., and 11 others. “X-ray fluorescence measurements of the surface elemental composition of asteroid 433 Eros.” *Meteoritics & Planetary Science* **36**, p. 1673, 2001.
- Trombka, J. I., *et al.* “The NEAR-Shoemaker x-ray/gamma-ray spectrometer experiment: Overview and lessons learned.” *Meteoritics & Planetary Science* **36**, 1605, 2001.
- Scharringhausen, B. R., Lim, L., Nicholson, P. D., Matthews, K., & McGregor, P. J., “Ground-Based Observations of the 10 August 1995 Saturn Ring-Plane Crossing.” *Icarus* **154**, 287-295, 2001.

## Selected Conference Papers

- Lim, L. F., Emery, J. P., & McConnochie, T. H. “Mid-IR Spectroscopy of M Asteroids with the Spitzer IRS: Preliminary Results.” *LPSC* **37**, 2006.
- Lim, L. F., Nittler, L. R., Starr, R. D., & McClanahan, T. P. “Calibration of the NEAR XRS Solar Monitor.” *LPSC* **35**, 2004.
- Lim, L. F., Nittler, L. R., McCoy, T. J., & Starr, R. D. “A Search for Manganese and Chromium Abundances in NEAR-Shoemaker X-ray Spectra of 433 Eros.” *AAS/Division for Planetary Sciences Meeting Abstracts*, **35**, 2003.

## Awards and Fellowships

- National Science Foundation Graduate Research Fellow, 1998–2001; Goldwater Scholar, 1998; National Merit Scholar, 1994