

# Curriculum Vitae

Georgiana Kramer, Ph.D.  
Assistant Professor  
Science and Engineering Department  
Phone: (409) 933-8915  
Email: gkramer@com.edu

## Education

2007, Doctor of Philosophy in Planetary Geology      University of Notre Dame  
2000, Bachelor of Science in Geology & Geophysics      University of Hawaii

## Teaching Experience

January, 2023 - present      College of the Mainland      Texas City  
*Assistant Professor of Geology*

January, 2020 – December 2022      San Jacinto College      Houston, TX  
*Adjunct Professor, Geology, Earth Science*

## Significant Publications

Buxner, S., Kramer, G., Gay, P., Banks, M. (2022) *The Moon*. Random House Publishing, Essex, U.K.

Kramer, G. (2022) Handbook of Lunar Base Design and Development, *Ch. 7: Origin, Geography, and Geology of the Moon*, Springer., P. Eckhart, Ed

# Curriculum Vitae

Kramer, G. Y. et al. (2021) The Plethora of Science Afforded by a Lunar Swirl. Planetary Science and Astrobiology Decadal Survey 2023-2032, *Bulletin of the American Astronomical Society*, **53**, Issue 4, e-id. 166, doi:10.3847/25c2cfef.a3c18a2f.

Kramer, G. Y. et al. (2021) The Mutuality Between Science and Commercial Exploration of the Moon. Planetary Science and Astrobiology Decadal Survey 2023-2032, *Bulletin of the American Astronomical Society*, **53**, Issue 4, e-id. 104, doi:10.3847/25c2cfef.f918d2fc

Kring, D. A., Kramer, G. Y., Collins, G. S., Potter, R. W. K. and Chandnani, M. (2016) Peak-Ring Structure and Kinematics from a Multi-Disciplinary Study of the Schrödinger Impact Basin. *Nat. Comm.* **7**:13161, doi: 10.1038/ncomms13161.

Kramer, G. Y., B. Jaiswal, B. R. Hawke, T. Ohman, T. A. Giguere, and K. Johnson (2015), The basalts of Mare Frigoris, *J. Geophys. Res. Planets*, **120**, 1646-1670, doi:10.1002/2014JE004753.

Kramer, G. Y., Kring, D. A., Nahm, A. L., & Pieters, C. M. (2013) Spectral and Photogeologic mapping of Schrödinger Basin and Implications for Post-South Pole-Aitken Impact Deep Subsurface Stratigraphy. *Icarus*, **223**, 131-148

Kramer, G. Y. Besse, S., Dhingra, D., Nettles, J., Klima, R., Garrick-Bethell, I., Clark, R., Combe, J.-P., Head, J. III, Taylor, L., Pieters, C., Boardman, J., & McCord, T. (2011) M<sub>3</sub> spectral analysis of lunar swirls and the link between optical maturation and surface hydroxyl formation at magnetic anomalies, *J. Geophys. Res.*, **116**, doi:10.1029/2010JE003729

Kramer, G. Y., Besse, S., Nettles, J., Combe, J.-P., Clark, R., Pieters, C., Staid, M., Malaret, E., Boardman, J., Green, R. O., McCord, T., & Head, J. III. (2011) Newer Views of the Moon: Comparing Spectra from Clementine and the Moon Mineralogy Mapper, *J. Geophys. Res.*, **116**, doi:10.1029/2010JE003728

Kramer, G. Y., Combe J.-P., Harnett E., Hawke B. R., Blewett D., Noble S., Giguere T. A., McCord, T. B. (2011) Characterization of Lunar Swirls at Mare Ingenii: A Model for Space Weathering at Magnetic Anomalies. *J. Geophys. Res.*, **116**, E04008, doi:10.1029/2010JE003669

Kramer, G. Y., Jolliff, B. L. & Neal, C. R. (2008) Searching for high alumina mare basalts using Clementine UVVIS and Lunar Prospector GRS data: Mare Fecunditatis and Mare Imbrium. *Icarus*, doi:10.1016/j.icarus.2008.06.009

Kramer, G. Y., Jolliff, B. L. & Neal, C. R. (2008) Distinguishing high-alumina mare basalts using Clementine UVVIS and Lunar Prospector GRS data: Mare Moscoviense and Mare Nectaris. *J. Geophys. Res.*, **113**, E01002, doi:10.1029/2006JE002860

# Curriculum Vitae