POSTER SESSION II:  THE MOON IN THE LABORATORY
6:00 p.m.   Town Center Exhibit Area

POSTER LOCATION #104
Synthesis of “Large” Iron-Bearing Anorthitic Plagioclase Crystals for Lunar Spectroscopic and Space Weathering Studies [#1804]
Making big crystals/Much iron and calcium/It looks like the Moon!

POSTER LOCATION #105
Characterisation of Miyake-Jima Anorthite as a Lunar Analogue [#1251]
This abstract details the preparation and characterization of Miyake-jima anorthite as a lunar analog.

POSTER LOCATION #106
Spectral Characterisation of Spinel-Anorthite Mixtures in the Thermal Infrared [#1750]
Spectral characterization of <25-µm physical mixture of spinel-anorthite across thermal infrared wavelengths compared to a forward-modelled linear mixture.

POSTER LOCATION #107
A New Look at Lunar Regolith Particle with Light, Scanning Electron and X-Ray Ultra Microscopy [#1567]
High-resolution light, scanning electron, and X-ray micrographs of individual lunar particles offer a unique insight into their morphology and formation.

POSTER LOCATION #108
First Measurements from the Planetary and Asteroid Regolith Spectroscopy Environmental Chamber (PARSEC) [#2025]
Measure me PARSEC/How do my spectra vary/Between Earth and Moon.

POSTER LOCATION #109
Optical Constants of Iron and Nickel Metal from 0.16 to 3.6 µm [#2433]
We measured the optical constants of Fe and Ni metal from 0.16 to 3.6 µm. These data are important for modeling of the reflectance of planetary regoliths.

POSTER LOCATION #110
A Multi-Wavelength Grain-by-Grain Survey of Lunar Soils [#2549]
We developed a multiwavelength microscopic hyperspectral imaging system to perform a comprehensive study of lunar soil mineralogy and search for rare materials.

POSTER LOCATION #111
Thermal Infrared Emission Studies of Bulk Apollo Soils:  The Importance of Cross-Laboratory Analyses [#1377]
Cross-laboratory measurements of bulk Apollo soil samples under simulated lunar conditions.

POSTER LOCATION #112
3D-Laser-Scanning Technique Applied to Bulk Density Measurements of Apollo Lunar Samples [#1716]
To get good data/For moon rock bulk densities/Shoot them with lasers.

POSTER LOCATION #113
New Data on the Effects of Chemistry, Mineralogy, Grain Size, and Maturity on UV-VIS Reflectance Spectra and Implications for LROC WAC-Derived TiO2 [#2504]
New lab measurements of lunar soils: analyzing the strong correlation between TiO2 and the 320/415 ratio observed in LRO WAC UV-VIS data.