

*We explore the solar system through sample analysis, process simulation, and integration with mission data.*



# *ARES/JSC Planetary Sample Analysis and Mission Science Laboratory*

<b>E-BEAM</b>	<b>SEM, TEM, EMPA, FIB</b>	<b>EIL</b>	<b>EXPERIMENTAL IMPACT LAB</b>
<b>NANOSIMS</b>	<b>NANO-SCALE SECONDARY ION MASS SPECTROMETRY</b>	<b>EXPET</b>	<b>HIGH P-T, PETROLOGICAL EXPERIMENTATION</b>
<b>ISOTOPES</b>	<b>TRITON TIMS, GC + QUADRUPOLE MASS SPEC</b>	<b>SOILCHEM</b>	<b>SOIL FORMATION AND MODIFICATION ANALYSES</b>
<b>ORGANICS</b>	<b>SOLUBLE ORGANICS, L<sup>2</sup>MS, RAMAN</b>	<b>ANALOG &amp; MISSION INST.</b>	<b>FLIGHT-LIKE EGA, CHEMCAM, CHEMMIN, VNIR</b>
<b>ICP-MS</b>	<b>INDUCTIVELY-COUPLED PLASMA MASS SPECTROMETRY</b>		<b>MOSSBAUER FOR MER, PHOENIX, MRO, MSL</b>
<b>SPECTROSCOPY</b>	<b>XRD, FTIR, RAMAN, MOSSBAUER</b>	<b>LIBRARY</b>	<b>SAMPLES FOR REMOTE SENSING GROUND TRUTH</b>

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