

Geological and Planetary Sciences

Session **Q**

Room: 106 Spalding

10:20 - 10:40 AM	Alexandra L. Smith	Examination of Cassini Images to Investigate Possible Presence of Low Altitude Cloud and Fog Banks on the South Polar Surface of Titan and Corresponding Implications of Surface Liquid	Michael E. Brown <i>Richard and Barbara Rosenberg Professor of Planetary Astronomy</i>
10:40 - 11:00 AM	Ayon Sen <i>Kiyo and Eiko Tomiyasu SURF Scholar</i>	Characterizing Mantle Plumes Using Numerical Models of Mantle Convection and Seismic Wave Propagation	Michael C. Gurnis <i>John E. and Hazel S. Smits Professor of Geophysics</i> Eh Tan <i>Staff Member in Computational Infrastructure for Geodynamics</i>
11:00 - 11:20 AM	Thomas N. Harris <i>Kiyo and Eiko Tomiyasu SURF Scholar</i>	Exploring the Role of Non-Gaussian Assumptions in Estimating Subsurface Fault Slip	Mark Simons <i>Professor of Geophysics</i>
11:20 - 11:40 AM	Joy Lin <i>Mary Vodopia SURF Fellow</i>	(Uranium-Thorium)/Helium Dating of Martian Rocks	Kenneth A. Farley <i>W.M. Keck Foundation Professor of Geochemistry</i>
11:40 AM - 1:00 PM	LUNCH		
1:20 - 1:40 PM	Vivian Z. Sun	Understanding the North American Permian-Triassic Mass Extinction Record: Isotopic Study of Quinn River Formation, Nevada	Joseph L. Kirschvink <i>Nico and Marilyn Van Wingen Professor of Geobiology</i> Timothy D. Raub <i>Postdoctoral Scholar in Geology</i>
1:40 - 2:00 PM	William M. Steinhardt <i>Nellie Bergen and Adrian Foster Tillotson SURF Fellow</i>	Implications of Exceptional Southeast California Exposure on Earth's Magnetic History	Joseph L. Kirschvink <i>Nico and Marilyn Van Wingen Professor of Geobiology</i> Timothy D. Raub <i>Postdoctoral Scholar in Geology</i>
2:00 - 2:20 PM	Priya M. Nayak <i>Samuel P. and Frances Krown SURF Fellow</i>	From the First Radiation of Planktonic Animals to the Hirnantian Glaciation and Mass Extinction: Tracking Ordovician Global Change With Magnetic Reversal Stratigraphy and Magnetofossils	Joseph L. Kirschvink <i>Nico and Marilyn Van Wingen Professor of Geobiology</i> Timothy D. Raub <i>Postdoctoral Scholar in Geology</i>

2:20 - 2:30 PM	BREAK		
2:30 - 2:50 PM	Matthew J. Feldman	Quantifying Fault Offset Across Owens Valley: Paleointensity of the Golden Bear and Coso Dikes	Joseph L. Kirschvink <i>Nico and Marilyn Van Wingen</i> Professor of Geobiology Timothy D. Raub Postdoctoral Scholar in Geology
2:50 - 3:10 PM	Melissa J. Bernardino California State University, Long Beach <i>Moore Foundation</i> <i>MURF Fellow</i>	Stable Isotope and Trace Element Geochemistry and Paleomagnetism of the Paleocene-Eocene Thermal Maximum as Recorded by the Sierra Blanca Limestone, California	Joseph L. Kirschvink <i>Nico and Marilyn Van Wingen</i> Professor of Geobiology Timothy D. Raub Postdoctoral Scholar in Geology
3:10 - 3:30 PM	Perrin T. Considine	Measuring Iron Isotopes in Marine Particulates to Determine the Source of Bioavailable Iron in the Pacific Ocean	Jess F. Adkins <i>Assistant Professor of Geochemistry and Global Environmental Science</i> Seth John Postdoctoral Scholar in Geochemistry
3:30 - 3:50 PM	Laainam Chaipornkaew <i>Ms. Jane Chen SURF Fellow</i>	Constructing Three-Dimensional Map of the Tertiary Unconformity in the South Mountains (SBM), California	Joann M. Stock <i>Professor of Geology and Geophysics</i> Janet C. Harvey <i>Graduate Student in Geology</i>