

Geological and Planetary Sciences

Session **N**

Room: 142 Keck

1:00 - 1:20 PM	Hanna J. Timek University of Michigan <i>Amgen Scholar</i>	Towards engineering <i>Azotobacter vinelandii</i> for characterization of non- canonical nitrogenase	Smruthi Karthikeyan <i>Gordon and Carol Treweek</i> Assistant Professor of <i>Environmental Science and</i> <i>Engineering; William H. Hurt</i> <i>Scholar</i> Zahra Shivji <i>Graduate Student in Chemical</i> <i>Engineering</i>
1:20 - 1:40 PM	Jeremy C. Wang Dartmouth College	Integrating results from ice shelf finite element method models into observational scheduling approaches for a high-altitude radar remote sensing drone	Brent Minchew <i>Professor of Geophysics</i> Evan Kramer <i>Seismological Laboratory</i> <i>Director's Postdoctoral Scholar</i> <i>Research Associate in</i> <i>Geophysics</i>
1:40 - 2:00 PM	Quinn J. Hartman Caltech <i>Carl F. Braun SURF Fellow</i>	The effect of cable bacteria colonization on the marine heat wave tolerance of <i>Zostera marina</i>	Victoria J. Orphan <i>James Irvine Professor of</i> <i>Environmental Science and</i> <i>Geobiology</i> Magdalene A. MacLean <i>Graduate Student in</i> <i>Geobiology</i>
2:00 - 2:20 PM	Nicolas W. Bartolomeo University of Maryland, Baltimore County <i>Resnick Sustainability</i> <i>Institute (RSI) WAVE Fellow</i>	Informing photosynthetic model parameterization using solar-induced chlorophyll fluorescence data	Tapio Schneider <i>Theodore Y. Wu Professor of</i> <i>Environmental Science and</i> <i>Engineering</i> Katherine Deck <i>Research Scientist in the Global</i> <i>Environmental Center</i> Oliver Dunbar <i>Senior Research Scientist in the</i> <i>Global Environmental Center</i>
2:20 - 2:40 PM	Hung-Chih Wu National Taiwan University <i>BaBar SURF Fellow</i>	Implementation of an observation simulator in ClimaAtmos.jl	Tapio Schneider <i>Theodore Y. Wu Professor of</i> <i>Environmental Science and</i> <i>Engineering</i> Zhaoyi Shen <i>Lead Research Scientist in the</i> <i>Global Environmental Center</i>
2:40 - 2:50 PM	BREAK		

2:50 - 3:10 PM	Nivale E. Baxendell Wellesley College <i>Center for Evolutionary Science EVO-WAVE Fellow</i>	Using paleoatmospheric CO ₂ to constrain the age and paleoclimate of late Pleistocene Amazonian fossil flora	Julia Tejada <i>Assistant Professor of Geobiology; William H. Hurt Scholar</i> Elena Stiles <i>Postdoctoral Scholar Research Associate in Geochemistry</i>
3:10 - 3:30 PM	Bianca D. Jaramillo California State University, Los Angeles	Identifying biomarkers for insect herbivory through stable isotope analysis	Julia Tejada <i>Assistant Professor of Geobiology; William H. Hurt Scholar</i>
3:30 - 3:50 PM	Jasmine E. Hollis Yale University <i>Resnick Sustainability Institute (RSI) WAVE Fellow</i>	The impact of snow on the Southern Ocean overturning circulation	Andrew F. Thompson <i>John S. and Sherry Chen Professor of Environmental Science and Engineering</i> Sarah Zhang <i>Graduate Student in Environmental Science and Engineering</i>
3:50 - 4:10 PM	Kyra Y. Jun Harvard College	Hormonal control of calcium isotope signals in humans: A mechanistic model of kidney handling, skeletal balance, and dietary restriction	François Tissot <i>Professor of Geochemistry; 7Investigator, Heritage Medical Research Institute</i> Theo J. Tacail <i>Postdoctoral Scholar Research Associate in Geochemistry</i>
4:10 - 4:30 PM	Jesse M. Benitez Brown University <i>Resnick Sustainability Institute (RSI) WAVE Fellow</i>	Deconvolving vital effects from paleoceanographic signals using stable isotopes, clumped isotopes, and metal/Ca ratios in deep-sea scleractinian corals	Jess F. Adkins <i>Smits Family Professor of Geochemistry and Global Environmental Science</i>
4:30 - 4:50 PM	Lela R. Hanson Stanford University	Fiber-optic sensing of seismic velocity change in urban settings	Zhongwen Zhan <i>Professor of Geophysics</i> Elijah Bird <i>Graduate Student in Geophysics</i>