**Speakers Club Schedule Winter 2017  
Thursdays 2:00 PM, Webb Hall 1100**

**January 17**

**Why Does Some Subducted Continental Crust Escape Deformation and Transformation?**

Josh Garber  
Department of Earth Science, UCSB

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**January 26**

**The Mechanics of Waterfall Formation and Retreat**

Joel Scheingross  
Alexander von Humboldt Postdoctoral Fellow, German Research Centre for Geosciences (GFZ), Potsdam, Germany

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**January 30**

**Constraining past Earth and Planetary Surface Temperatures Using Cosmogenic Noble Gases - MSI Auditorium (room 1302)**

Marissa Tremblay  
Ph.D. candidate, Earth and Planetary Sciences, University of California, Berkeley

**January 31**

**Understanding the mechanisms, magnitudes, and rates of Earth surface processes with noble gas geochemistry, Webb 1006c**

Marissa Tremblay  
Ph.D. candidate, Earth and Planetary Sciences, University of California, Berkeley

**February 2**

**Coupled Evolution of Landscapes and Detrital Records**

Adam Forte  
School of Earth and Space Exploration Arizona State University

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**February 6**

**Cenozoic uplift and climate in Asia: Insights from stable carbon and oxygen isotopes. Location: MSI 1302**

Jeremy Caves  
Institute of Geology, ETH Zürich

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**February 9**

**Lessons in the Landscape: Earth surface processes reveal dynamics of deformation in the northwest Himalaya and northern Cascadia**

Kristin Morell  
School of Earth and Ocean Sciences University of Victoria, BC Canada

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**February 16**

**Climate and biogeochemistry in a high CO2 world**

David Naafs  
University of Bristol, UK

**February 21**

**Organic Matter Sulfurization and the Carbon Cycle**

Morgan Raven  
Department of Earth and Planetary Sciences Washington University, St. Louis

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**February 23**

**What do carbon isotopes tell us about the CO2 rise at the end of the Last Ice Age?**

Jean Lynch-Stieglitz

School of Earth and Atmospheric Sciences, Georgia Institute of Technology

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**March 2**

**Petrochronology in Zealandia: Investigating continental breakup using Lu-Hf in garnet and depth profiling in zircon**

Sophie Briggs

Earth Science Department, University of California, Santa Barbara

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**March 6**

**Phytoplankton’s ‘crash diet’ what lipidomics can tell us about microbial growth and energy flux in the ocean - MSI Auditorium (room 1302) at 12:00PM**

Kevin Becker

Woods Hole Oceanographic Institution

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**March 9**

**Marine Organic Geochemistry on a Computer - MSI Auditorium (room 1302) at 12:00PM**

Sanuel Arey

Swiss Federal Institute of Aquatic Science and Technology

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**March 9**

**Hyperpycnal currents with reversing buoyancy: examples from Quaternary deposits, flume experiments, and the ancient rock record**

Elizabeth Steel

Earth Science Department, University of California, Santa Barbara

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**March 16**

**Regionalization and Composition of the US Crust by Probabilistic Seismic Fingerprinting**

Dr. Tolulope Olugboji

Department of Geology, Univeristy of Maryland

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**March 23**

**Character and significance of volcanism in the lower Colorado River extensional corridor; insight into extensional tectonics**

Mary-Kate Fidler

Earth Science Department, University of California, Santa Barbara

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**April 6**

**The Future of Past Climates: LinkedEarth and 21st Century Paleoclimatology**

Deborah Khider  
University of Southern California

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**April 13**

**Antarctic climate variability over the past 1,000 years: is there a similarity with recent changes in Antarctica?**

Quinghua Ding  
Geography Department, University of California, Santa Barbara

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**April 20**

**Geochemistry of Lamprophyres, Dry Valleys, Antarctica**

Nicoleta Brown  
Earth Science Department, University of California, Santa Barbara

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**April 20**

**Testing the Consistency of Four Age Modeling Techniques using Iberian Margin Sediment Cores**

Alan Jones  
Earth Science Department, University of California, Santa Barbara

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**April 27**

**Observational evidence for a geodynamo driven by thermal energy in the outermost core and by precession deeper in the outer core**

Mike Fuller  
University of Hawaii

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**May 4**

**Redox variations in Mauna Kea lavas, the oxygen fugacity of the Hawaiian plume, and the role of volcanic gases in Earth’s oxygenation**

Maryjo Brounce  
University of California, Riverside

**May 11**

**Testing for physical constraints on large Intermediate-depth earthquake fault geometry via finite-fault inversions**

Adam Arce  
Earth Science Department, University of California, Santa Barbara

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**May 18**

**Timing and Mechanisms of REE Mineralization at Central City, CO**

Carina Edelmann  
Earth Science Department, University of California, Santa Barbara

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**May 18**

**In situ observations of site response during and after nonlinear soil behavior has occurred**

Kenneth Hudson  
Earth Science Department, University of California, Santa Barbara

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**May 25**

**Late Pleistocene to Holocene environmental history of Devereux Slough**

Zachary Nelson  
Earth Science Department, University of California, Santa Barbara

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**May 25**

**Recycling of Continental Crust Captured in Pamir Xenoliths**

Madeline Shaffer  
Earth Science Department, University of California, Santa Barbara

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**June 1**

**Mapping the northern Snake Range fold and thrust system and characterizing strain in lower plate quartzites along the western flank of the northern Snake Range metamorphic core complex, Nevada**

Jason Womer  
Earth Science Department, University of California, Santa Barbara

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**June 1**

**Quantification of storm groundwater into streams using continuous 222Rn activity**

Jared Wilson  
Earth Science Department, University of California, Santa Barbara

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