

OPEN HOUSE

DISCOVER EARTH SCIENCE

Saturday, October 17, 2026 | 10:00am-4:00pm



SHUTTLE BUS INFORMATION

- **120th Street, Manhattan to LDEO:** Buses depart for the LDEO campus from 120th Street (between Amsterdam and Broadway, in front of Teachers College) in 15-minute increments beginning at 9:15 am until 1:15 pm.
- **LDEO to 120th Street:** Buses return to 120th street from LDEO in 15-minute increments beginning at 11:00 am through 12:30 pm and from 1:30 pm ending at 4:00 pm.
- **CRESTRON Parking Lot to/from LDEO:** Shuttle buses run continuously from 10:00 am to 3:00 pm (Open House event parking closes at 3pm) arriving and departing in front of the Geoscience Conference Building at LDEO.

We gratefully acknowledge the generous support of our sponsors:



ACA Environmental Services, Inc.



LECTURES AT OPEN HOUSE

Featuring Lamont-Doherty Earth Observatory and Columbia University Professors, Researchers and Scientists

Location 10

MONELL BUILDING AUDITORIUM

- 11:00 am** **What Happened? The August 2026 Nepal-China Landslide and Flooding Catastrophe**
Göran Ekström
- 12:00 pm** **A Historic El Niño Year! What Does That Mean?**
Richard Seager, Suzana Camargo, Andy Robertson, Kate Guy
Matthew Glasser (Moderator)
- 1:00 pm** **Did NYC's Congestion Pricing Policy Improve Air Quality?**
Dan Westervelt
- 2:00 pm** **What Does AI Mean for Your Work and the Field of Science?**
Marco Tedesco, Galen McKinley, Vicki Ferrini
Daniel Hsu (Moderator)

Location 6B

GARY C. COMER GEOCHEMISTRY BUILDING

Seminar Room,
1st Floor

- 11:30 am** **Creating Solutions in a World Swimming in Micro- and Nano-Plastics**
Beizhan Yan
- 12:30 pm** **Atmospheric CO2 Then and Now - What Can We Learn from the Past?**
Bärbel Hönlisch
- 1:30 pm** **Lamont and NASA's Billion \$\$\$ Samples**
Kerstin Lehnert
- 2:30 pm** **Time Is Deep—How Do We Know?**
Alberto Malinverno

Location 8B

OCEANOGRAPHY BUILDING

Room 109

- 11:30 am** **How Ice Shelves Break Apart, and How that Can Raise Sea Level?**
Roger Buck
- 12:30 pm** **Can Climate Change Shift Our Clocks?**
Jim Davis
- 1:30 pm** **Climate Models: What They Can and Can't Tell Us about the Future**
Kevin Schwarzwald
- 2:30 pm** **High-School Students Screening Soil for Lead in the New York Metropolitan Area and Abroad. What Do They Find?**
Lex van Geen

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EXPLORE THE EXHIBIT AND TALK LOCATIONS.

1. WELCOME | GIFT SHOP TENT

Kids' Scavenger Hunt • Programs • Geology Tour Sign-ups • Gift Shop

2. DEPARTMENT OF EARTH AND ENVIRONMENTAL SCIENCES ROCKS!

3. CORE REPOSITORY Thousands of Cores, Rocks & Sediments

4. SEISMOLOGY, GEOLOGY & TECTONOPHYSICS

4A: Rock Mechanics Lab: Hands-on Demonstrations, Visualizing Mini-Earthquakes, What is Friction?, and How Liquefaction Works!

4B: Sounds of Seismology! • Hidden Harmonies: Listening to the Earth and NYC • Sea-Level Change: Back to the Future

5. BIOLOGY & PALEO ENVIRONMENT

The Artistic Oceanographer • Wetlands in NY and Beyond • Biomarker Bookmarks • Climate Change Research at the Arctic Long-Term Ecological Research Station

6. GEOCHEMISTRY | EARTH SCIENCE LECTURES

6A: Plastic Pollution: Health Impacts and Solutions • Lead Sampling in Soil and Paint

6B: Pigen of Open House • Secondary School Field Research Program • Mines and Quarries of Indigenous Peoples in the Shadows of NY Metro Area • Deep Space to Deep Earth • Earth Science Lectures

7. VOLCANOES! | LAVA IS COMING!

8. OCEAN & CLIMATE PHYSICS

8A: Carbon Dioxide and Global Warming • Rotating Tank Experiments • Radiation in the Earth System • Greenhouse Effect • Hurricanes and Storm Surges, Ocean Circulation • What's in the Air? • River Floods • Cloud in a Bottle

8B: Earth Science Lectures

9. VOLCANO FILMS: FLY INTO A VOLCANO

10. EARTH SCIENCE LECTURES | ART EXHIBITS | EDUCATION RESOURCES

Earth Science Lectures (*schedule on back*) • Research As Art Exhibit • Education Resources • Whimsical Science Exhibit

11. CENTER FOR INTERNATIONAL EARTH SCIENCE INFORMATION NETWORK (CIESIN)

National Geography Game • StoryMap: Mapping Settlements in Sub-Saharan Africa • CIESIN Map Tiles • IPCC Data Distribution Centre

12. COMMUNITY CONNECTIONS

Too Much Quiet! by Kottie Christie-Blick • Sturgeon & Friends • Rockland Audubon • Whimsical Science • Planting the Pathway • Calling all Teachers: Curricular Resources

13. MARINE & POLAR GEOPHYSICS

Build Your Own Seal Sensor 'Hat' • Measuring Sound in Water • Ice Flows! • Polar Puzzles • Polar Data Bangladesh: Coping with Sea Level Rise and Tectonics

14. TREE-RING LAB

15. BATHTUB SCIENCE

16. MARINE/LARGE PROGRAMS GeoMapApp • Ocean Mapping • U.S. Scientific Ocean Drilling • Marine Operations: R/V Marcus G. Langseth

SPECIAL EXHIBITS

A. Warming Stripes B. Food for Humanity: Living Lab at the Lamont Greenhouse
C. Visit the Olmsted Perennial Garden

