

Open Nights October 2023 Bulletin

Dear Open Nights attendee,

Below is the most up-to-date information on this month's talks. For new updates, please visit the website listed under the corresponding discipline, and be on the lookout for emails from the respective organizers.

Please note that this fall's **Living World talks** will be given on **Mondays**. This month's talk will be on **October 16 at 5:30 pm** at the **Javits Center, room 103**. There is free parking.

Please note that **Astronomy, Physics, and Geology** talks will be given on **Fridays at 7:30 pm** at **Harriman Hall 137**.

Zoom option: Living World and Geology talks are hybrid format, while Astronomy and Physics are in-person only.

Cheers,
Rafael D'Andrea

Astronomy

Date and Location: Friday, October 6, 7:30 pm, Harriman Hall 137

Title: The Promise of Terrestrial Fusion

Speaker: Prof. Michael Zingale

Abstract: Stars are powered by thermonuclear fusion—converting light nuclei into heavier ones, releasing an enormous amount of energy in the process. For decades, scientists have sought to replicate this power source for commercial generation. Recent advances have brought us close to a net energy gain, but there is still much work to do. In this talk, we will discuss the promise of commercial fusion and the challenges that must be overcome to make it a reality.

Prof. Zingale is a Professor of Astronomy in Stony Brook's department of Physics & Astronomy. He joined the Department in 2006, coming most recently from a postdoctoral position at the University of California at Santa Cruz. His research is in modeling stellar explosions and the basic physics therein, and developing algorithms for performing supercomputer simulations of astrophysical fluid flow.

Website: <http://www.astro.sunysb.edu/opennight/#schedule>

Physics

Date and Location: Friday October 13, 7:30 pm, Harriman Hall 137

Title: TBD

Speaker: TBD

Abstract: TBD

Bio: TBD

Website: <http://chi.physics.sunysb.edu/wop/>

Living World

Date and Location: Monday October 16, 5:30 pm, Javits Center, Room 103

Title: Promoting Biodiversity by Reimagining Urban Shorelines

Speaker: Prof. Dianna Padilla

Abstract: TBD.

Bio: TBD

Website: https://www.stonybrook.edu/commcms/ecoevo/_events/livingworld.php

Geology

Date and Location: Friday October 27, 7:30 pm, Harriman Hall 137

Title: How to use the geologic record to understand Earth's climate future

Speaker: Guleed Ali

Abstract: TBD

Bio: TBD

Website: <https://www.stonybrook.edu/commcms/geosciences/outreach/GeologyOpenNight>