



April 8-10, 2020

# Cosmic Roads to New Physics

CMSA, Room G10  
20 Garden Street, Cambridge, MA

## Organizers:

Prateek Agrawal  
Hayden Lee  
Julian Muñoz  
Bryan Ostdiek  
Zhong-Zhi Xianyu

## Scientific Advisory:

Lisa Randall  
Matt Reece  
Shing-Tung Yau

## Speakers:

Yacine Ali-Haïmoud NYU  
Mustafa Amin Rice University  
Xingang Chen Harvard University  
Francis-Yan Cyr-Racine University of New Mexico  
Francesca Chadha-Day University of Cambridge  
Jiji Fan Brown University  
Daniel Grin Institute for Advanced Study  
Anson Hook University of Maryland  
Junwu Huang Perimeter Institute  
Hongwan Liu NYU  
Gustavo Marques-Tavares University of Maryland  
Guilherme Pimentel University of Amsterdam  
Tracy Slatyer MIT  
Lian-Tao Wang University of Chicago

# Computational Biology

November 12-13, 2020

CMSA room G10, 20 Garden Street, Cambridge, MA







Avi Loeb  
Harvard university

Abraham (Avi) Loeb is the Frank B. Baird, Jr., Professor of Science at Harvard University. Loeb published 4 books and over 700 papers on a wide range of topics, including black holes, the first stars, the search for extraterrestrial life and the future of the Universe. He serves as Chair of Harvard's Department of Astronomy, Founding Director of Harvard's Black Hole Initiative and Director of the Institute for Theory and Computation (ITC) within the Harvard-Smithsonian Center for Astrophysics. He also chairs the Advisory Committee for the Breakthrough Starshot Initiative, serves as the Science Theory Director for all Initiatives of the Breakthrough Prize Foundation, as well as Chair of the Board on Physics and Astronomy of the National Academies. He is an elected fellow of the American Academy of Arts & Sciences, the American Physical Society, and the International Academy of Astronautics. In 2012, TIME magazine selected Loeb as one of the 25 most influential people in space.

# Extraterrestrial Life

2020 Yip Lecture

October 1, 2020  
Science Center, Hall B  
4:30 - 5:30pm



# FRONTIERS IN APPLIED MATHEMATICS AND COMPUTATION

March 25, 2021 10:00 – 11:00am ET

**Joseph M. Teran** UCLA

April 1, 2021 9:00 – 10:00am ET

**George Biros** U.T. Austin

April 1, 2021 10:00 – 11:00am ET

**Samory K. Kpotufe** Columbia



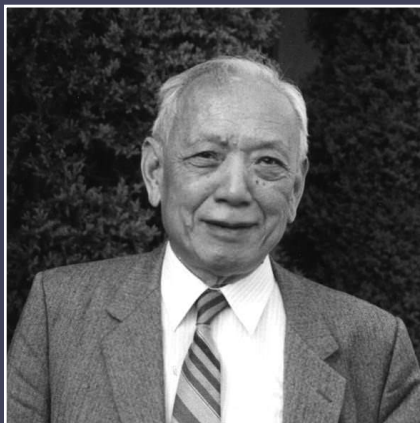
## LECTURE SERIES

# Mathematical Science Literature

*In the Spring 2020 semester, the CMSA will be hosting a lecture series on literature in the mathematical sciences, with a focus on the lifetime accomplishments of significant scholars. Talks will take place throughout the semester. There will be a tea reception in the Math Department common room at 3:30pm on March 16th, and 20th.*

**March 16, 2020**

4:00 - 6:00pm

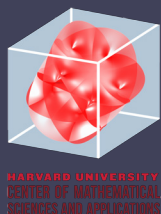


**"Shiing-Shen Chern as a  
Great Geometer of 20th  
Century"**

Speaker: **Shing-Tung Yau** (Harvard)

陳省身

Shiing-Shen Chern



**Science Center, Hall D**

[cmsa.fas.harvard.edu/literature-lecture-series/](https://cmsa.fas.harvard.edu/literature-lecture-series/)