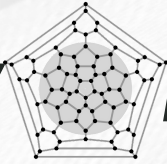


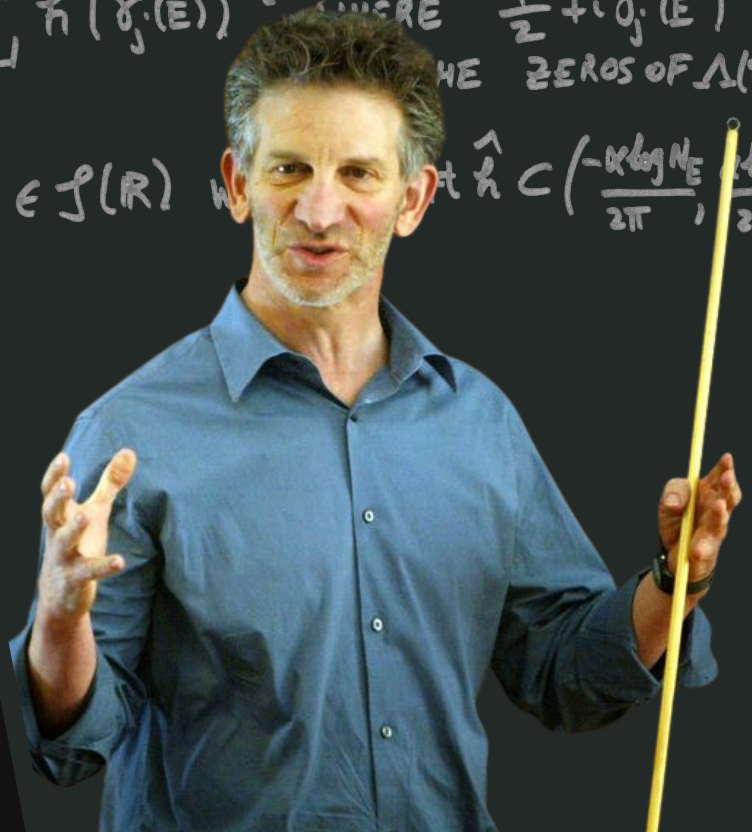
# Visions in Arithmetic and Beyond



$$\sum_j \chi_j(E) \cdot \dots \text{WHERE } \frac{1}{2} + i\gamma_j(E)$$

THE ZEROS OF  $\Lambda(s, E)$

$$\chi \in \mathcal{J}(\mathbb{R}) \text{ with } \hat{\chi} \subset \left( \frac{-\alpha \log N_E}{2\pi}, \frac{\alpha \log N_E}{2\pi} \right)$$



**CELEBRATING  
PETER SARNAK'S  
WORK AND IMPACT**

**JUNE 3-7, 2024**

*Co-hosted by the  
Institute for Advanced Study  
and Princeton University*

## ORGANIZERS

Alex Gamburd, The Graduate Center, CUNY  
Nick Katz, Princeton University  
Hee Oh, Yale University  
Kannan Soundararajan, Stanford University  
Akshay Venkatesh, Institute for Advanced Study

## INVITED SPEAKERS

Manjul Bhargava, Princeton University  
Frank Calegari, University of Chicago  
Simion Filip, University of Chicago  
Larry Guth, Massachusetts Institute of Technology  
Elon Lindenstrauss, Hebrew University  
Michael Magee, Durham University  
Melanie Matchett Wood, Harvard University  
James Maynard, University of Oxford  
Curtis McMullen, Harvard University  
Paul Nelson, Aarhus University  
Sarah Peluse, University of Michigan  
Will Sawin, Columbia University  
Daniel Spielman, Yale University  
Terence Tao, University of California, Los Angeles  
Jacob Tsimerman, University of Toronto  
Maryna Viazovska, EPFL  
Horng-Tzer Yau, Harvard University  
Tamar Ziegler, Hebrew University

**For more information and registration visit:**  
[ias.edu/math/events/visions-in-arithmetic-and-beyond](https://ias.edu/math/events/visions-in-arithmetic-and-beyond)

Organized in partnership with the Clay Mathematics Institute. We also thank the American Institute of Mathematics for their financial support.

