Millennium Prize Lectures

Harvard Science Center Hall C
& via Zoom Webinar
5:00–6:00 pm ET

In 2000, the Clay Mathematics Institute identified seven significant open problems, and offered a $1 million bounty for each. Of these, only the Poincaré Conjecture has been resolved. The list was assembled to:

- Highlight major unsolved mathematical questions at the turn of the millennium
- Emphasize the importance of tackling genuinely hard problems
- Acknowledge significant achievements in mathematics

A final stated goal of these problems is to "elevate in the consciousness of the general public the fact that, in mathematics, the frontier is still open and abounds in important unsolved problems." It is in this spirit that we offer these seven public lectures.

Sep. 17, 2025: Michael Freedman, Harvard CMSA: Poincaré Conjecture

Oct. 15, 2025: Sourav Chatterjee, Stanford: Yang–Mills Existence and Mass Gap

Nov. 12, 2025: Pierre Deligne, IAS: Hodge Conjecture

Dec. 3, 2025: Madhu Sudan, Harvard: P vs NP Problem

Feb. 4, 2026: Barry Mazur, Harvard: Birch and Swinnerton–Dyer Conjecture

Mar. 11, 2026: Javier Gómez-Serrano, Brown: Navier-Stokes Existence or Breakdown

Apr. 15, 2026: Peter Sarnak, IAS: Riemann Hypothesis

Organizers: Martin Bridson, Clay Mathematics Institute | Dan Freed, Harvard University and CMSA | Mike Hopkins, Harvard University

Registration required.
Scan code for more information and to register.

Organized in partnership with the Clay Mathematics Institute.

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