

Celebration of 20 Years of PROMYS: 1989 – 2009

**Boston University
July 24-26, 2009**

All lectures are in Room 107 of the Metcalf Science Center at 590 Commonwealth Avenue

Friday, July 24:

12:30-1:30: Registration in the Metcalf Science Lounge

1:30: Welcome

1:45 – 2:35: Henry Cohn (Microsoft Research):
“High-Dimensional Mathematics”

3:00 – 3:50: Jonathan Hanke (University of Georgia, Mathematics):
“Sums of Squares, Quadratic Forms, and Finiteness Theorems”

Starting at 5:00: A picnic behind Marsh Chapel at the BU beach (PROMYS will provide food for alums who have registered by July 17) *In case of rain we will meet in the Alley (lower level of the George Sherman Union-775 Commonwealth Ave.)

8:00-11:00: PROMYS Dance (Photonics Center, 8 St. Mary’s St. room 906)

Saturday, July 25:

10:00 – 10:50: Dev Sinha (University of Oregon, Mathematics):
“The up-side and down-side of ‘teaching someone to fish’”

11:10 – 12:00: Blair Dowling Sullivan (Oak Ridge National Laboratory):
“Using Mathematics to Connect the Dots”

Lunch (independently)

2:00 – 2:50: Tom Brennan (Northwestern University, Law and Finance):
“The Financial System Works: Prove or Disprove and Salvage if Possible”

3:10 – 4:00: David Jao (University of Waterloo, Mathematics):
“The Mathematics of Public Key Cryptography”

4:15: Group photo in front of Marsh Chapel

5:30 – 6:30: Jazz concert (The School of Management Atrium---595 Commonwealth Avenue)
Malcolm Campbell (Harvard ‘10, New England Conservatory ‘11) and friends

7:00 – 10:00: 20th Anniversary Banquet (\$30 per person) (4th Floor, BU School of Management--595 Commonwealth Avenue)

Sunday, July 26:

9:00 – 10:50: Morning activities

11:00 – 11:50: Cameron Freer (MIT, Mathematics):
“Computable Probability Theory”

12:10 – 12:30: The future of PROMYS -- we need everyone’s ongoing participation in generating ideas and directions for the future.

3:00: PROMYS/RSI Ultimate Frisbee match on Killian Court at MIT
PROMYS alum & RSI alum match immediately following the student game