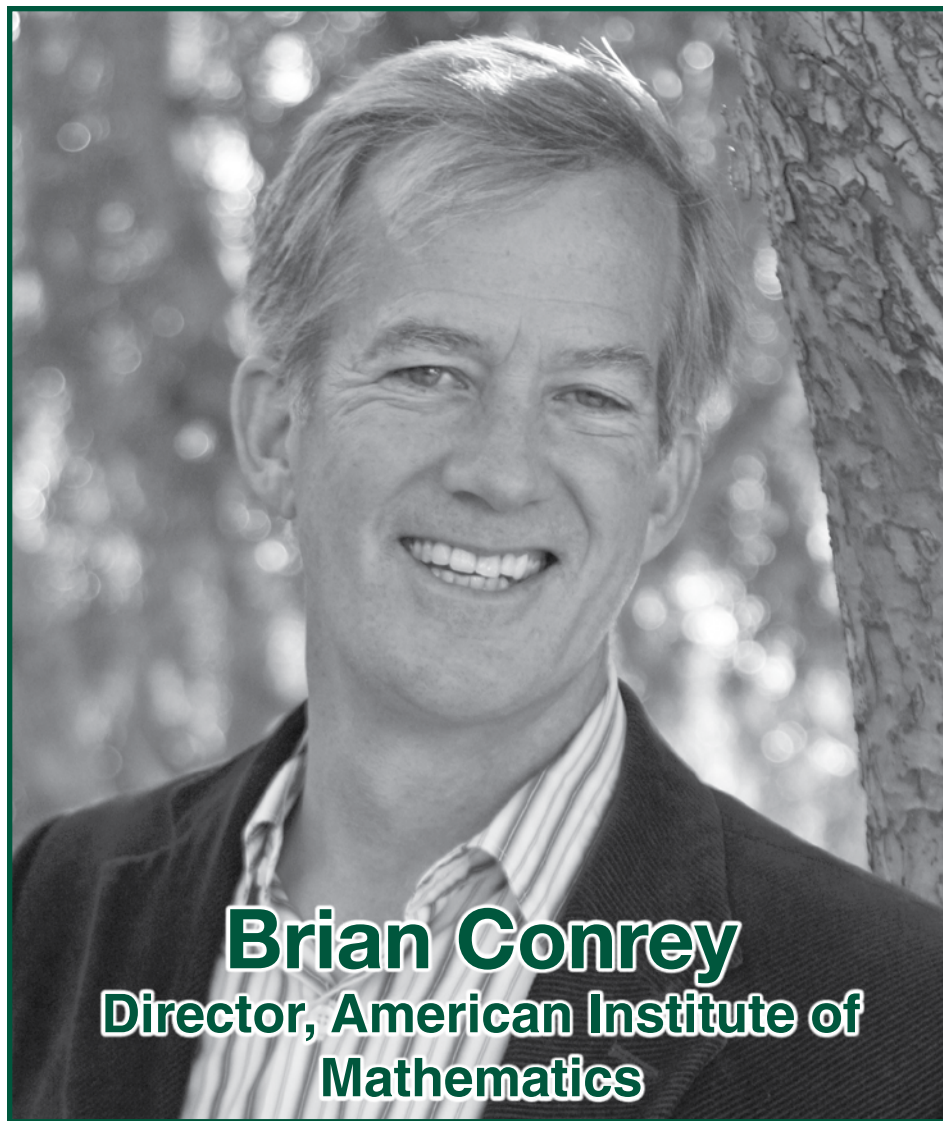


Baylor Undergraduate Lecture Series
in
Mathematics
Second Annual Lectures



Brian Conrey
Director, American Institute of
Mathematics

**Primes and Zeros:
A Million Dollar Mystery**

Wednesday, September 9, 2009 • 7:00 p.m.
Baylor Sciences Building, D109

150 years ago B. Riemann discovered a pathway to understanding the prime numbers. But today we still have not completed his vision. I will give an introduction to Riemann's Hypothesis, one of the most compelling mathematics problems ever, and describe some of its colorful history. This talk is intended for a general audience.

**Random Matrix Theory and
the Riemann Zeta-function**

Thursday, September 10, 2009 • 4:00 p.m.
Sid Richardson Building, SR344

In 1972, Hugh Montgomery and Freeman Dyson made the startling discovery that the zeros of the Riemann zeta-function are spaced like the eigenvalues of random matrices. In the last 10 years the connection between the two subjects has been made much more precise. We describe some of the developments surrounding this amazing connection.

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