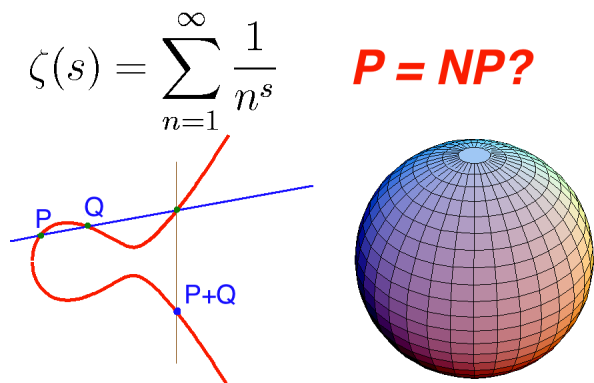




**MATHEMATICS DEPARTMENT PRESENTS**



**A CHALLENGE FOR THE MILLENNIUM:  
THE MILLION DOLLAR PROBLEMS IN MATHEMATICS**  
by  
**CMC Professors Lenny Fukshansky, Mark Huber,  
Deanna Needell, Sam Nelson**

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**ABSTRACT**

At the Second International Congress of Mathematicians in 1900 in Paris, David Hilbert, the reigning mathematician of the day presented a list of 23 unsolved problems, which strongly influenced and shaped the development of mathematics and related disciplines throughout the 20th century. To mark the centennial of Hilbert's monumental lecture, the Clay Mathematical Institute announced a list of 7 Millennium Prize Problems with an award of one million dollars for a solution of each of them. The official announcement was made at an important mathematical meeting in Paris in 2000 by John Tate and Michael Atiyah, two of the greatest mathematicians of the 20th century. These problems have already played a crucial role in the development of mathematics in the early 21st century and are expected to be most fundamental in the future as well. We will discuss 4 of these problems and explain how they are related to our own work and collaboration with our students.

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**Tuesday, April 2, 2013, 5:30–8:00 p.m.**

**Marian Miner Cook Athenaeum, Claremont McKenna College**

*The event, including dinner, is open to all the Claremont Colleges*