

AMERICAN MATHEMATICAL SOCIETY

# CURRENT EVENTS BULLETIN

Friday, January 18, 2019, 1:00 PM to 4:45 PM

Room 307, Baltimore Convention Center

Joint Mathematics Meetings, Baltimore, MD

**1:00 PM** | **Bhargav Bhatt**  
*University of Michigan*

## Perfectoid Geometry and its Applications

Hear about a great new tool for number theory that allows you to treat a prime number like a variable.



**2:00 PM** | **Thomas Vidick**  
*California Institute of Technology*

## Verifying Quantum Computations at Scale: a Cryptographic Leash on Quantum Devices

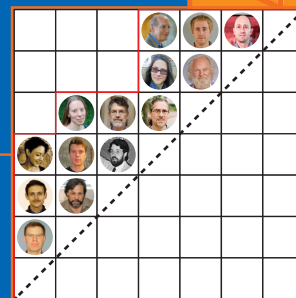
Quantum computers would be amazing—but could you trust one?



**3:00 PM** | **Stephanie van Willigenburg**  
*University of British Columbia*

## The Shuffle Conjecture

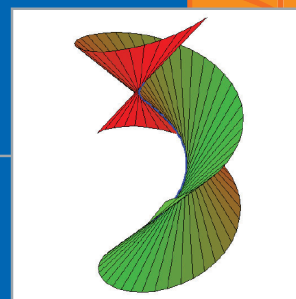
Dyck paths, symmetric functions—what's it all about?



**4:00 PM** | **Robert Lazarsfeld**  
*Stony Brook University*

## Tangent Developable Surfaces and the Equations Defining Algebraic Curves

Some lovely old geometry and an algebraic idea inspired by topology have simplified the proof of a central conjecture about generic Riemann surfaces.



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Organized by  
David Eisenbud,  
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