

2010 - 2011

IMA Public Lectures

University of Minnesota

Wednesday, March 9, 2011, 7:00 pm
175 Willey Hall, 225 19th Avenue South
West Bank, University of Minnesota
Minneapolis

Secrecy, Privacy, and Deception: The Mathematics of Cryptography

**Jill Pipher, Professor of Mathematics,
Brown University**

Every time we go on-line to look up something or to make a purchase, we are exposing ourselves to a certain amount of risk. We risk having our identities hijacked and our private information exploited. How do we protect networks against intruders and keep information safe? We do this with cryptography. This lecture will tour the mathematical ideas behind encryption, public key encryption, digital signatures, and authentication.

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The IMA brings together the best minds in math and the sciences to solve pressing problems facing our society, our industries, and our planet. It receives major funding from the National Science Foundation and the University of Minnesota.

For more information:

612-624-6066

Directions:

www1.umn.edu/twincities/maps/WilleyH/index.html

Next lecture:

April 13, 2011

Chris Volinsky, Director of Statistics

Research, AT&T Labs Research

Recommender Systems for Fun and Profit

For updates on future public lectures:

www.ima.umn.edu/public-lecture

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