



Colloquium

Lattices and cryptography: A match made in heaven

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Integer Lattices are a formidable tool in mathematics and computer science, with numerous applications in number theory, coding theory and combinatorial optimization. Over the last three decades, lattices have proven themselves to be a veritable goldmine in the field of cryptography. In this talk, I will describe the evolution of lattices in cryptography -- from their early role as a powerful tool to break cryptosystems, their application in designing encryption and digital signature schemes with post-quantum security, and their triumph in the last decade in achieving long-anticipated cryptographic goals such as methods for computing on encrypted data.

Monday, October 16, 2017 04:00pm - 05:00pm

Raiffeisen Lecture Hall, Central Building



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