

March 27, 2010  
10:00 a.m. - 5:00 p.m.  
Kidde Building, Stevens Institute of Technology  
Hoboken, NJ  
Url: <http://www.stevens.edu/algebraic/MPQ/>

# Mathematics of Post-Quantum Cryptography

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The Algebraic Cryptography Center at Stevens invites you to attend a one-day workshop on Mathematics of Post-Quantum Cryptography. The main focus is on algorithmic problems in group theory and multivariate polynomials over finite fields.

## SCHEDULE:

- 9:30-10:00**     **Breakfast**
- 10:00-10:50**    **Jintai Ding** (University of Cincinnati)  
*Random Quadratics over Odd-Characteristic Medium-Sized Fields*
- 11:00-11:50**    **Vladimir Shpilrain** (The City College of New York)  
*Cryptography using Chebyshev polynomials*
- 12:00-12:30**    **Gregory Bard** (Fordham University)  
*Using Graph Theory to split polynomial systems of equations*
- 12:30-1:00**     **Nelly Fazio** (The City College of New York)  
*Group-Theoretic Cryptography: Respice, Adspice, Prospice*
- 1:00-3:00**     **Lunch break**
- 3:00-3:50**     **Vitalii Romankov** (Omsk State University, Russia)  
*Solvable groups as a possible platforms in cryptography.*
- 4:00-4:30**     **Igor Lysenok** (Steklov Institute, Russia)  
*Complexity for equations in free groups and monoids*
- 4:30-5:00**     **Robert Gilman** (Stevens Institute of Technology)  
*The search for hard problems*
- 5:00**            **Wine and cheese**

## VENUE: *Facility for the last two days*

The workshop will be held in Kidde building at Stevens Institute of Technology. Talks are scheduled from 10:00am to 5:00pm followed by wine and cheese. Additional information can be obtained from the website:

<http://www.stevens.edu/algebraic/MPQ/>

## REGISTRATION:

No registration required but we ask you to please let us know if you plan to attend.

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Please let us know if you plan to come: [amyasnik@stevens.edu](mailto:amyasnik@stevens.edu) or call (201) 216-8598

Url: <http://www.stevens.edu/algebraic/MPQ/>

The event is sponsored by the Department of Mathematical Sciences and Algebraic Cryptography Center at Stevens.

