



# Exploring Possibilities

A day of discovery for female high school students  
& their mathematics teachers at IPC 2012

Infinite Possibilities Conference (IPC) is a national conference designed to promote, educate, encourage and support minority women interested in mathematics and statistics. On March 31, the conference will feature a full day for its high school program – *Exploring Possibilities at IPC* – a collaborative venture to advance more effective mathematics education. A program has been developed that exposes female high school students to opportunities in mathematics and statistics and provides high school teachers with the tools to encourage student interest. Highlights of the program include:

- ***Active learning*** workshops, team-building projects, and creative problem solving activities for high school students and teachers.
- A discussion of **successful initiatives** for broadening participation in mathematics.
- ***Networking opportunities*** with mathematics professionals representing a diverse set of ***mathematics-related careers***.
- ***Portfolios for high school teachers*** containing innovative ideas for teaching mathematics, including the activities from the conference.

For more information about the Infinite Possibilities Conference, go to [www.ipcmath.org](http://www.ipcmath.org)





# Exploring Possibilities

## Tentative Agenda for March 31, 2012

Time	High School Students	High School Teachers
8:00-9:00	Registration/Continental Breakfast	
9:00-10:30	Brainstorm/Ice Breaker  Group Math Activity: Groups explore a non-routine problem/simulation and share solutions.	Agents of Change Session  <ul style="list-style-type: none"> <li>• Participants will represent successful initiatives for broadening participation in mathematics, at school and college level.</li> </ul>
10:30-11:00	Coffee Break	
11:00-12:00	Career Talks  <ul style="list-style-type: none"> <li>• Introductory discussion: "Who really uses mathematics?"</li> <li>• Discussions with professionals who "show" how they use mathematics in the workplace</li> </ul>	Concurrent Sessions – Making It Happen: Money and Mentoring  <ul style="list-style-type: none"> <li>• Internship, fellowship and grant opportunities</li> </ul> Note: Teachers can also choose to participate in Career Talks with the students.
12:00-1:00	Lunch (Informal discussions with professionals about their careers)	
1:00-2:00	Plenary Speaker: Valeria de Paiva, Rearden Commerce, Inc.	
2:00-3:00	Poster Session – research presentations from undergraduate and graduate students	
3:00-3:45	Coffee Break and Group Photo	
3:45-4:45	Wrap-up Session  <ul style="list-style-type: none"> <li>• Certificates of Participation</li> <li>• Evaluation Form</li> </ul>	

For more information about the Infinite Possibilities Conference, go to [www.ipcmath.org](http://www.ipcmath.org)



March 29-31, 2012  
University of Maryland Baltimore County