

Thank you to our many donors and cosponsors who help make this event possible. Because of the vast number of door prize donors this year, you'll find them listed separately in your folder.

Thank you...

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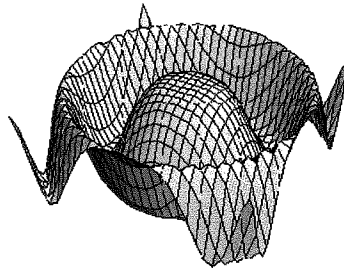
To speakers and members of the AUM Mathematics  
Faculty as well as mathematics student volunteers  
without whom this program would not be possible. A  
special thanks to Katherine Korunes and Tynisa  
Williams for many hours of tedious tasks.



AUBURN

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AUM's 5<sup>th</sup> Annual

## Sonia Kovalevsky Mathematics Day



**February 23, 2008**

*Sponsored By:*

*The Association for Women in Mathematics (AWM)*

*National Security Agency (NSA)*

*Elizabeth City State University*

*AUM Lectures Committee*

*AUM Office of Academic Affairs*

*AUM Department of Mathematics*

*AUM School of Sciences*

## Program Participants

## Sonia Kovalevsky Day Program

Auburn Montgomery  
February 23, 2008

## Workshops

The following workshops will be indicated  
on the schedule by presenter's name only.  
See below for title and room number

**Keynote Speaker**                      **Dr. Connie Campbell**  
Associate Professor and Head of the Mathematics  
Department at Millsaps College, Mississippi

### Career Panelists

**Dr. Pia Knigge**, Assistant Professor, Political  
Science and Public Administration, AUM  
**Ms. Sharon Paulk**, Associate Professor, Head,  
Mathematics Dept., Faulkner University  
**Dr. Julie Herron**, Assistant Professor of Early  
Childhood Math Education, Univ. of Alabama  
**Dr. Debra Hodges**, Biostatistician, Center for  
Health Statistics, State of Alabama  
**Ms. Kendra Franklin**, Engineer, Hyundai Motor  
Corporation  
**Mrs. Freida Warren**, Mathematics Lab  
Coordinator, AUM, High School Teacher/Dept.  
Head for 35 yrs.

### Program Organizers:

**Dr. Joan N. Powell**  
**Dr. Tuval Foguel**  
**Dr. Matthew Ragland**

**Dr. Luis Cueva-Parra and Dr. Yi Wang**  
Technology/Equipment

**Mrs. Freida Warren**                      Registration

<u>Time</u>		<u>Location</u>
8:30 - 8:45	Registration & Refreshments	3 <sup>rd</sup> Floor
8:45 - 9:15	Welcome	112 G
9:25 - 10:15	Workshop Session #1	
	<b>Dr. Shawanda Thomas</b> <b>Dr. Tuval Foguel</b>	
	<b>Dr. Matt Ragland</b> <b>Dr. Yi Wang</b>	
	<b>Mr. Joe Albree</b>	
10:25 - 11:15	Workshop Session #2	
	<b>Dr. Shawanda Thomas</b> <b>Dr. Mosisa Aga</b>	
	<b>Ms. Laura Ingram</b> <b>Dr. Yi Wang</b>	
	<b>Dr. Rhodes Peele</b>	
11:25 - 12:15	Career Panel Discussion	112 G
12:15 - 1:00	Lunch	318/307 G
1:10 - 2:00	Workshop Session #3	
	<b>Dr. Jennifer Stone</b> <b>Dr. Joe Smith</b>	
	<b>Ms. Laura Ingram</b> <b>Dr. Scott Brown</b>	
	<b>Dr. Luis Cueva-Parra</b>	
2:10 - 3:00	Keynote Speaker:	112 G
	<b>Dr. Connie Campbell, Millsaps College, MS</b> "Pythagoras was Never on the Yellow Brick Road"	
3:00 - 3:45	Door Prizes and Closing Remarks	112 G

### Workshop Leaders:

**Dr. Shawanda Thomas**, Proj. Director Tapping Academic Potential  
*Your Financial Futures: Making Wise Decisions with Money*                      **Room 319 G**

**Ms. Laura Ingram**, Mathematics Ph.D. Candidate, Univ. of Alabama  
*The Bases of Computer Math*    **Room 317 G**

**Dr. Jennifer Stone**, Instructor, Mathematics, Auburn University  
*Math Without Numbers: The Shape of Things*                      **Room 320 G**

### Auburn Montgomery Mathematics Faculty:

**Dr. Mosisa Aga**,    **Room 320 G**  
*The Reluctant Witness: A Mathematical Murder Mystery*

**Mr. Joe Albree**    **Room 222 G**  
*Who is Sonya Kovalevskaya?*

**Dr. Scott Brown**,    **Room 208 G**  
*Geometry and Islamic Art*

**Dr. Luis Cueva Parra**,    **Room 205 G**  
*Cellular Automata: A Mathematics Laboratory*

**Dr. Tuval Foguel**,    **Room 317 G**  
*Fun with Cryptography*

**Dr. Rhodes Peele**,    **Room 316 G**  
*Probability Surprises*

**Dr. Matthew Ragland**,    **Room 208 G**  
*Playing With Polyhedra*

**Dr. Joseph Smith**,    **Room 222 G**  
*The Algebra of Geometric Symmetries*

**Dr. Yi Wang**,    **Room 219 G**  
*Mathematics and Your Pictures: Digital Image Processing*