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Eastdale Mall Retailers:

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music FYE video

Game Stop

The Hat Shack

Lynn's Hallmark

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Parisians

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AUM Mathematics Dept.

American Red Cross

Green Thumb Nursery

Hobby Lobby

Jo's Hallmark

Phoenix Salon

Sam's Club Montgomery

Walgreens

Wal Mart, Atlanta Highway

**For assistance in conducting the conference:**

AUM Mathematics Club and

AUM Mathematics Faculty

# Sonia Kovalevsky Mathematics Day



**March 5, 2005**

**Auburn University Montgomery**

*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

### Keynote Speaker

**Dr. Tina Straley**

Professor Emeritus of Mathematics, Kennesaw State University, Kennesaw, Georgia; Executive Director of the Mathematical Association of America (MAA)

### Career Panelists

**Dr. Rosine Hall**, Associate Professor, Biology, AUM  
**Mrs. Teresa Nolette Keith**, Electrical designer, Advanced Engineering Concepts  
**Mrs. Athena Clark**, Alabama State Director of the U. S. Geological Survey  
**Mrs. Eudora Greywoode**, Doctoral Student in Ph.D. program in Mathematics Education  
**Mrs. Mary Harmon**, High School Teacher at Trinity Presbyterian High School  
**Dr. Joan N. Powell**, Asst. Professor, Mathematics, AUM

### Workshop Presenters:

**Faculty of the AUM Mathematics Dept.**  
**Mr. Joe Albree**, Assistant Professor  
**Dr. Scott Brown**, Assistant Professor  
**Dr. Luis Cueva-Parra**, Assistant Professor  
**Dr. Paul Davis**, Assistant Professor, former vice president for Space Systems/Loral's satellite manufacturing business, then president of Loral Asia-Pacific  
**Dr. Tuval Foguel**, Associate Professor, Head  
**Dr. Bill Nowell**, Associate Professor  
**Dr. Rhodes Peele**, Associate Professor  
**Dr. Furman Smith**, Associate Professor

### Program Organizers:

**Dr. Joan N. Powell**  
**Dr. Tuval Foguel**  
**Mrs. Eudora Greywoode**

## Sonia Kovalevsky Day Program

Auburn University Montgomery

March 5, 2005

<u>Time</u>		<u>Location</u>
<b>8:30 - 8:45</b>	<b>Registration &amp; Refreshments</b>	<b>3<sup>rd</sup> Floor</b>
<b>8:45 - 9:15</b>	<b>Welcome</b>	<b>307 G</b>
<b>9:25 - 10:15</b>	<b>Workshop Session #1</b>	
	<i>Foguel</i> Fun with Cryptography	317 G
	<i>Albree</i> Sonia Kovalevsky: Who, what, when, why	316 G
	<i>Cueva-Parra</i> Fractals: A Tool for Exploring Nature	205 G
	<i>Davis</i> Potential Careers in the Space Business	320 G
<b>10:25 - 11:15</b>	<b>Workshop Session #2</b>	
	<i>Smith</i> How to Program a Simple Video Game	205 G
	<i>Peele</i> Card Games and Combinatorics	316 G
	<i>Foguel</i> Fun with Cryptography	317 G
	<i>Nowell</i> Understanding Chaos: Arithmetic of Fractions	320 G
<b>11:15 - 12:00</b>	<b>Lunch</b>	<b>307 G</b>
<b>12:10 - 1:00</b>	<b>Keynote Speaker: Dr. Tina Straley</b>	
	<i>What Does a Mathematician Do?</i>	
<b>1:10 - 2:00</b>	<b>Workshop Session #3</b>	
	<i>Brown</i> Connect With the World, Without Internet??	208 G
	<i>Albree</i> Sonia Kovalevsky: Who, what, when, why	316 G
	<i>Cueva-Parra</i> Fractals: A Tool for Exploring Nature	205 G
<b>2:10 - 3:00</b>	<b>Career Panel Discussion</b>	<b>307 G</b>
<b>3:00 - 3:15</b>	<b>Door Prizes and Closing Remarks</b>	<b>307 G</b>