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AUM Mathematics Club and
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AUM's 4th Annual Sonia Kovalevsky Mathematics Day



February 24, 2007

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. Ayse Sahin**
Associate Professor of Mathematics, DePaul
University, Chicago, Illinois

Career Panelists

Mrs. Athena Clark, Alabama State Director of the
U. S. Geological Survey, engineer
Dr. Jeanne Kuhler, Associate Professor,
Chemistry, Auburn Montgomery
Mrs. Teonna Mills, High School Teacher at
Stanhope Elmore High School
Dr. Ayse Sahin, Associate Professor, Mathematics,
DePaul University
Mrs. Stephanie Mason Thornhill, Computer
Specialist, Aronov Realty,
Dr. Joan N. Powell, Assistant Professor,
Mathematics, Auburn Montgomery

Program Organizers:

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

Dr. Luis Cueva-Parra Technology/Equipment
Mrs. Freida Warren Registration

Sonia Kovalevsky Day Program

Auburn Montgomery
February 24, 2007

<u>Time</u>		<u>Location</u>
8:00 - 8:45	Registration & Refreshments	3 rd Floor
8:45 - 9:15	Welcome	112 G
9:25 - 10:15	Workshop Session #1	
	Dr. Paul Davis	Dr. Enoch Lee
	Dr. Mosisa Aga	Dr. Matt Ragland
	Ms Shawanda Thomas	Mr. Joe Albree
	Dr. Yi Wang	
(See Workshop List for titles and room numbers) →		
10:25 - 11:15	Workshop Session #2	
	Dr. Nydia Lowery	Dr. Rhodes Peele
	Dr. Matt Ragland	Ms Shawanda Thomas
	Dr. Tuval Foguel	Dr. Furman Smith
	Ms Julie Ryle and Ms Hiba Fayoumi	
11:25 - 12:15	Career Panel Discussion	112 G
12:15 - 1:00	Lunch	318/307 G
1:10 - 2:00	Workshop Session #3	
	Dr. Nydia Lowery	Dr. Tuval Foguel
	Dr. Rhodes Peele	Dr. Scott Brown
	Mr. Joe Albree	Dr. Luis Cueva-Parra
	Ms Julie Ryle and Ms Hiba Fayoumi	
2:10 - 3:00	Keynote Speaker: Dr. Ayse Sahin	112 G
	<i>Mathematics: Who Really Needs It?</i>	
3:00 - 3:30	Door Prizes and Closing Remarks	112 G

Workshops

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

Workshop Leaders:

Dr. Nydia Lowery, Central Ala Comm. College, **Room 317**
From Conjecture to Proof: A Little Number Theory

Ph.D. Candidates, Mathematics, University of Alabama
Ms. Shawanda Thomas, **Room 221**
Your Financial Futures: Making Wise Decisions with Money
Ms. Julie Ryle and Ms. Hiba Fayoumi, **Room 320**
Cryptography, Coding, and Modular Arithmetic

Auburn Montgomery Mathematics Faculty:

Dr. Mosisa Aga, **Room 319**
The Reluctant Witness: A Mathematical Murder Mystery
Mr. Joe Albree, **Room 222**
Who is Sonya Kovalevskaya?
Dr. Scott Brown, **Room 211**
Geometry and Islamic Art
Dr. Luis Cueva Parra, **Room 205-Computer Classroom**
Cellular Automata: A Mathematics Laboratory
Dr. Paul Davis, **Room 317**
Satellites: How Do They Work?
Dr. Tuval Foguel, **Room 316**
The Hospitable Golfers: Constructing a Round Robin
Tournament on Neutral Grounds
Dr. Enoch Lee, **Room 316**
Can You Keep a Secret?
Dr. Rhodes Peele, **Room 319**
Probability Surprises
Dr. Matthew Ragland, **Room 211**
Playing With Polyhedra
Dr. Furman Smith, **Room 205-Computer Classroom**
How to Program a Simple Video Game
Dr. Yi Wang, **Room 205-Computer Classroom**
Mathematics and Your Pictures: Digital Image Processing