

WAM Ambassadorship 2019 Report



Activity: Math For All in New Orleans conference

When: March 6th&7th 2020

Where: Tulane University, New Orleans

Number of attendees: 70 (approx.)

Organizers: Padi (Rosa) Fuster, Robyn Brooks, Swati Patel.

Website: www.math.tulane.edu/mathforallnola

GOAL:

Math for all in New Orleans has the purpose of fostering inclusivity in mathematics by holding talks and discussions in both research and education. This conference is targeted to undergraduate and graduate students, post-docs, and faculty members from all institutions in New Orleans **providing a friendly, open environment to learn and discuss mathematics.**

STRUCTURE of the conference:

- 5 plenary speakers
- 1 panel discussion on career paths
- 3 parallel research talks sessions (17 short talks)
- Poster session (14 posters presented)

PLENARY SPEAKERS:

- **Cynthia O. Anhalt**, University of Arizona. (Math education)
- **Edray Goins**, Pomona College. (Algebraic geometry/Number Theory)
- **Nicole Joseph**, Vanderbilt University. (Math education)
- **Michelle Manes**, University of Hawaii at Manoa, NSF. (Number theory/Dynamical systems)
- **Candice Price**, Smith College. (Topology, Applied Math.)

PANELISTS:

- **Maria Calzada**, Loyola University New Orleans. (Interim Provost and Senior Vice President for Academic Affairs)
- **Keisha Cook**, Tulane University. (Post-doc)
- **Lisa Fauci**, Tulane University, SIAM. (Pendergraft Nola Lee Haynes Professor, President of SIAM)
- **Hayriye Gulbudak**, U. of Louisiana at Lafayette. (Assistant Professor)
- **Calvin Mackie**, STEM NOLA. (CEO & president)

FUNDING:

WAM AMBASSADORSHIP 2019	\$2000+\$1000
Mathematics Department at Tulane	\$2000
Dean of Science & Engineering at Tulane	\$2000
CELT (center for engaged learning & teaching)	\$750 (math ed. speaker)
Tulane Honors College	\$400 (poster printing)
GSSA	\$1500
AMS & SIAM Student Chapters	\$700
OGPS (office of graduate and postdoctoral studies)	\$400
TOTAL	\$9750+\$1000

EXPENSES:

Food & coffee	\$2400
Poster Printing	\$400
Speakers Travel, Lodging & honoraria	\$4600
Attendees Travel funding	\$1300
Classroom rent	\$100
Mugs & Totes	\$700
Supplies	\$100
TOTAL	\$9600

SCHEDULE:**Friday, March 6th**

DW: Dinwiddie

12:00 - 1:00, DW 103	Registration
1:00 - 1:15, DW 102	Opening remarks
1:15 - 2:15, DW 102	Cynthia O. Anhalt
2:15 - 2:30, DW 103	Coffee Break
2:30 - 4:05, DW 102	Research Talk Session 1
4:05 - 4:30, DW 103	Coffee Break
4:30 - 5:30, DW 102	Candice Price
5:30 - 7:00, Mussafer Hall 1st floor	Poster Session

Saturday, March 7th

8:00 - 8:45, DW 103	Registration/Coffee & Breakfast (sponsored by SIAM student chapter at Tulane)
8:45 - 9:00, DW 103	Icebreakers
9:00 - 10:00, DW 102	Edray Goins
10:00 - 10:15, DW lobby	Coffee Break
10:15 - 10:50, DW 102&103	Research Talk Session 2
10:50 - 11:15, DW lobby	Coffee Break
11:15 - 12:15, DW 102	Michelle Manes
12:15 - 2:00, DW 102	Group Photo/Lunch/Panel Session
2:00 - 3:00, DW 102	Nicole Joseph
3:00 - 3:15, DW lobby	Coffee Break
3:15 - 4:30, DW 102&103	Research Talk Session 3
4:30 - 5:00, DW 102	Closing Remarks

PHOTOS:

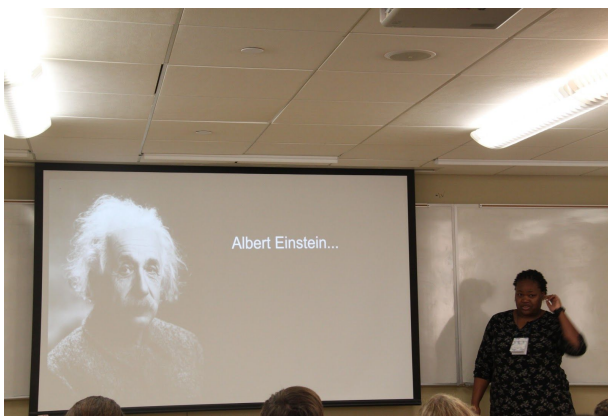
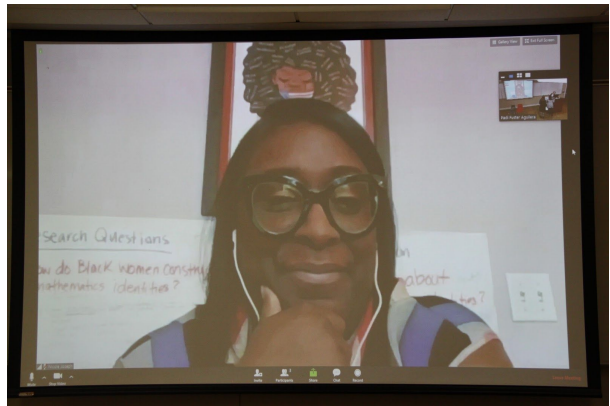
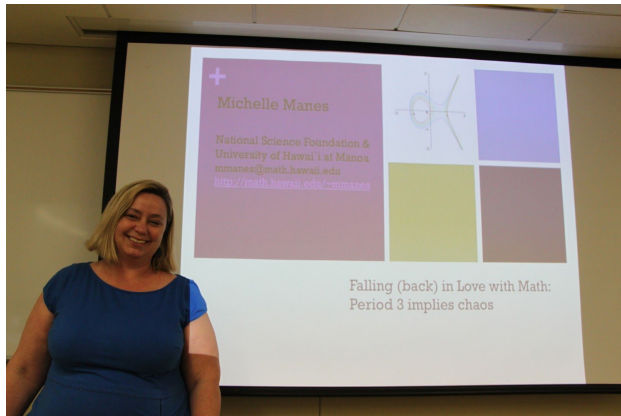
Group photo



Panel



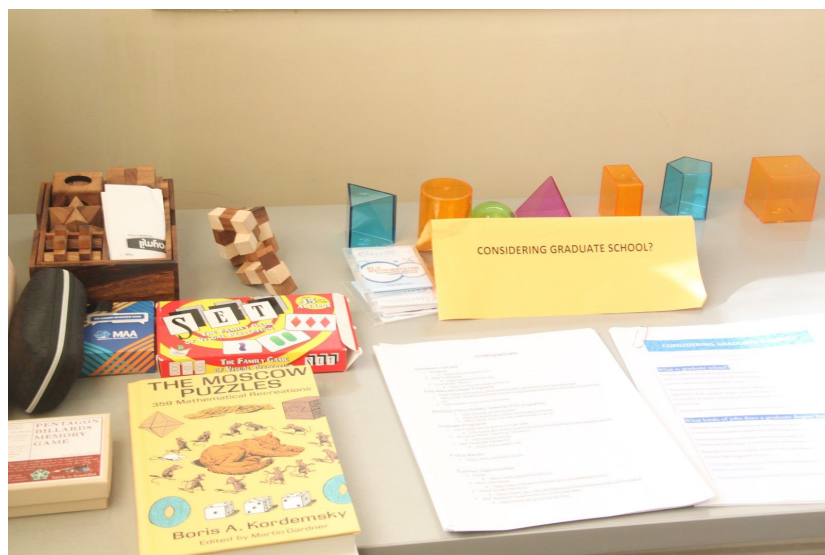
Plenary Speakers



FACES OF MATHEMATICIANS WALL:



MATH GAMES AND INFO!



WOMEN'S HISTORY MONTH:

SOFYA KOVALEVSKAYA 1850-1909




Kovalyevskaya was born into a Russian family of great wealth. She received her world-famous education in mathematics at the University of Zurich, where she was the first woman to receive a doctorate in mathematics. Her work in differential geometry and mathematical physics was highly influential. She was also a pioneer in the field of mathematical physics, particularly in the study of the theory of functions of a complex variable. Her work in this area was highly influential and paved the way for the work of other mathematicians.

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MATHEMATICS EDUCATORS

Marjorie Lee Browne 1914-1971




Browne was born in Chicago, Illinois, and spent her early years in the South. She received her undergraduate degree from the University of Chicago and her Ph.D. from the University of Wisconsin-Madison. She was a pioneer in the field of mathematics education and was the first African American woman to be elected to the National Council of Teachers of Mathematics.

Mary Everest Boole 1832-1916



Boole was born in England in 1832 and spent her early years in the South. She received her undergraduate degree from the University of Cambridge and her Ph.D. from the University of London. She was a pioneer in the field of mathematics education and was the first woman to be elected to the National Council of Teachers of Mathematics.


Sophie Germain 1776-1831



Sophie Germain was a French mathematician who made significant contributions to the fields of number theory and mechanics. She was the first woman to be elected to the Paris Academy of Sciences. Her work in number theory was highly influential and paved the way for the work of other mathematicians.

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DAINA TAIMINA 1964-?



Daina Taimina is a mathematician who has made significant contributions to the field of topology. She is known for her work on the classification of manifolds and for her discovery of the first exotic sphere. She has also made significant contributions to the study of the topology of surfaces and to the theory of knot theory.

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Ada Lovelace 1815-1852



Ada Lovelace was an English mathematician and writer, most notable for her work on Charles Babbage's proposed mechanical general-purpose digital computer, the Analytical Engine. She was the first to recognize the full potential of the machine and to write the first algorithm intended to be processed by a machine.

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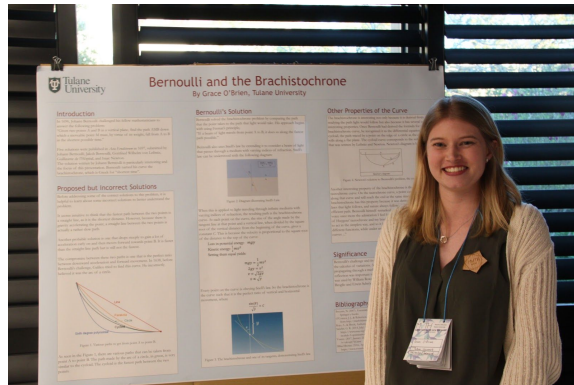
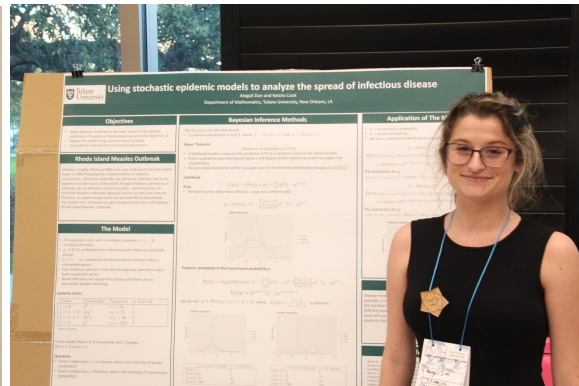
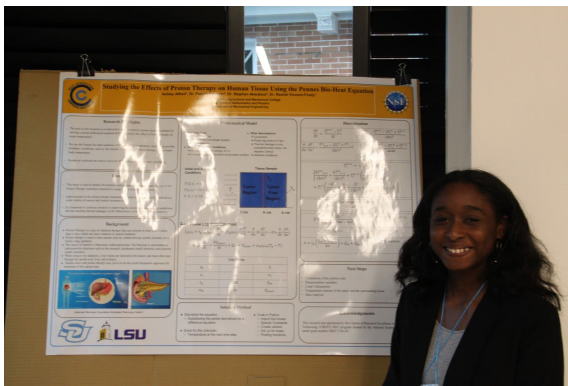
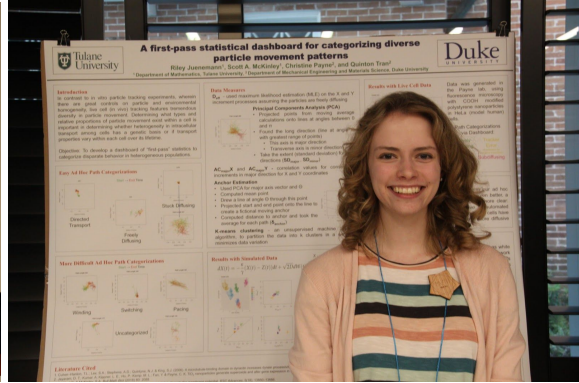
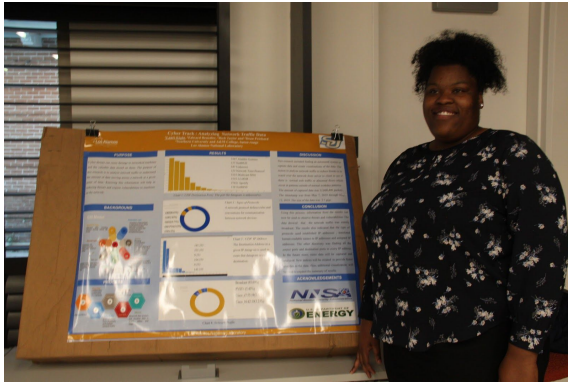
Hypatia c. 370-415



Hypatia was a Hellenistic philosopher, astronomer, and mathematician. She was the last known pagan philosopher to teach in Alexandria. She was a prominent figure in the intellectual life of Alexandria and was known for her work in the fields of astronomy, philosophy, and mathematics.

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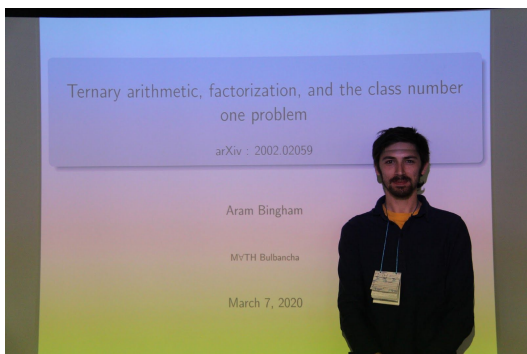
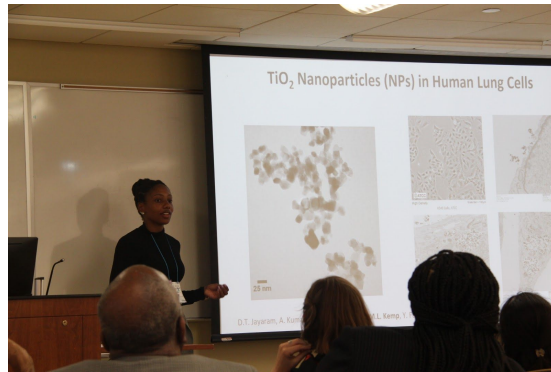
POSTER SESSION:



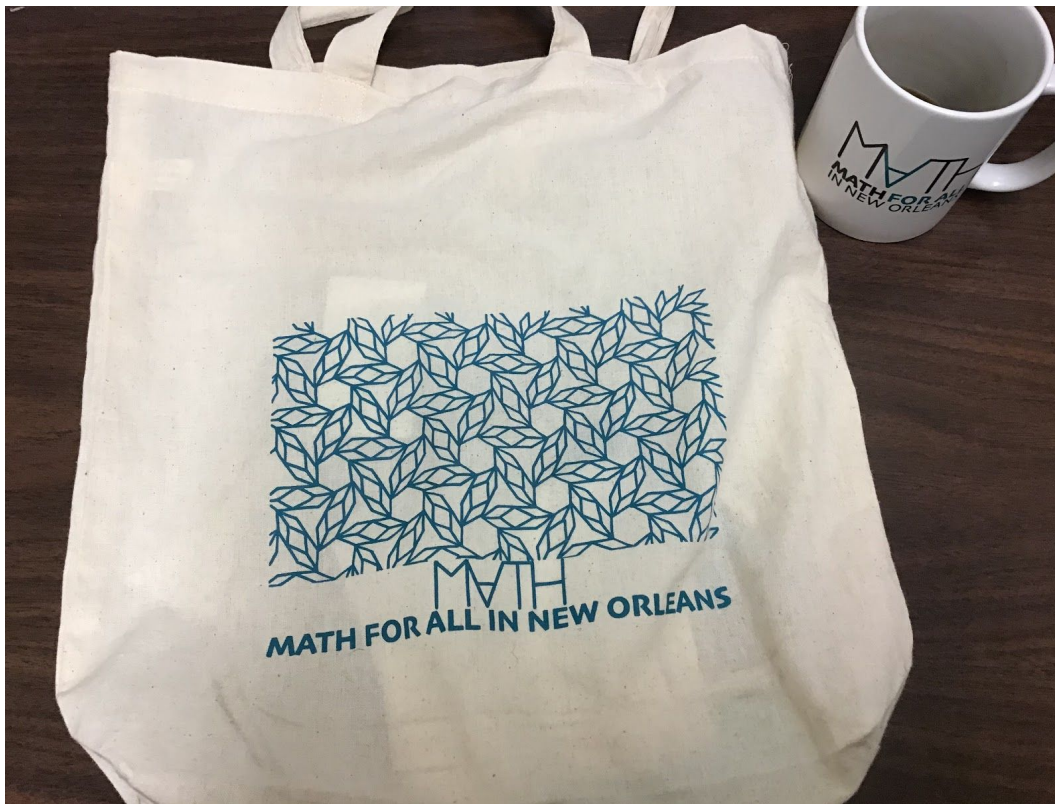
BREAKS AND LUNCH:



RESEARCH TALKS:



SWAG GIVEN TO ATTENDEES:



AUDIENCE:





