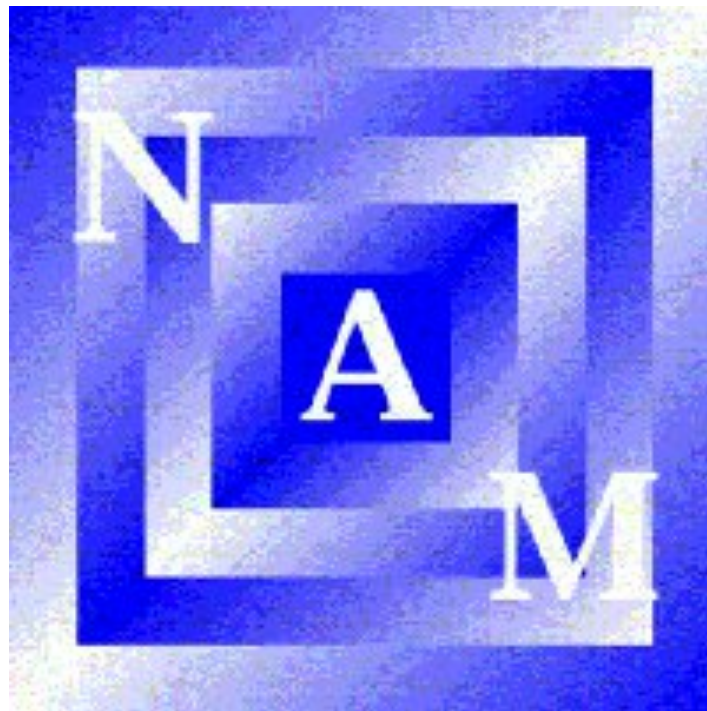


The National Association of Mathematicians'
Undergraduate MATHFest XXV

A Conference for Undergraduates in Mathematics

Sponsored by

the National Association of Mathematicians, Inc (NAM)
and the National Security Agency (NSA)



Hosted by

The Department of Mathematics

Morgan State University

Baltimore, MD

Thursday, October 29 – Saturday, October 31, 2015

Thursday, October 29, 2015

Morgan State University
University Student Center Room 204

12:00 - 2:00 **Registration**

12:30 - 2:00 **Lunch**

2:00 – 2:15 **Greetings Morgan State University**
 Dr. Asamoah N’Kwante, Chairman-Department of Mathematics
Conference Orientation:
 Dr. Leon Woodson, MorganStateUniversity
 Executive Secretary - NAM

2:30- 3:30 **Dr. Sam Tannouri**
 Flocking Clustering Algorithms
 Morgan State University

3:30- 3:45 **Break**

3:45- 4:45 **Panel:** “How to Successfully Negotiate Graduate Study in the Mathematical Sciences,
 Graduate Faculty Perspectives”

4:45– 5:30 **Spotlight on Mathematicians**

5:30 - **Graduate School/Undergraduate Summer Research reception**
 Room 212

7:00

Free Evening

Friday, October30, 2015

Morgan State University,
University Student Center room 212A

- 7:00 – 9:00 Breakfast – at the Sheraton North in Towson
- 9:00 - 10:00 **Dr. Najat Ziyadi**
A male-female mathematical model of human papillomavirus (HPV) in African American population.
Morgan State University
- 10:00 – 11:30 **Student Presentations**
- 10:00 Johnny Gary**
The Effect of Calculator use on Students' performance and attitude: In Math: A Meta Analysis
Mississippi Valley State University
- 10:30 Raveen McKenzie**
Analyzing the Lorenz Strange Attractor using Mathematica
Mississippi Valley State University
- 11:00 Jamal Stevenson**
A Corresponding Study of Water Quality Evaluation of the Pasquotank Watershed in Northeastern North Carolina
Mississippi Valley State University
- 11:30 Deanne Mallard**
Enhancing Parent Involvement in NC-CCSS for K-2 Mathematics
Mississippi Valley State University
- 12:00 - 1:30 **Lunch - (Group Photograph)**
- 1:30 - 3:00 **Student Presentations**
- 1:30 Clarence Swain**
Who is the Best?
Morgan State University
- 2:00 Sabin White**
A Look at Almost Periodic Functions and the Extension to R^2
Morgan State University
- 2:30 Edward Constance**
An Extension of Dini's Lemma to Nets of Functions into Uniform Spaces
Morgan State University

- 3:00** **Dr. Xiao-Xiong Gan, Program Coordinator**
PhD in Industrial and Computational Mathematics
- 3:30** **Jayshawn Cooper**
PROJECT: TOPOLOGICAL DATA ANALYSIS AND FINGERPRINT CLASSIFICATION
Morgan State University
- 4:00** **Abena Adusei**
Economic Impact of Malaria on Sub Saharan African Countries
Morgan State University
- 4:30** **Dr. Traci Allotey, Director, Actuarial Science**
- 5:00 -6:00** **"How to Successfully Negotiate Graduate School",**
 Graduate Students' View
 Panel: Participating Graduate Students
- 5:00 – 6:00** Faculty Workshop: Summer Research, graduate school bridges and Inquiry Based Learning
- 6:15-** **Undergraduate MATHFestXXII Appreciation Dinner**
Room 212B

Saturday, October 31, 2015
Morgan State University
University Student Center room 316

Transportation from the Sheraton North/ Towson to Morgan State University

- 7:00 – 9:00** Breakfast at the Sheraton North in Towson
- 10:00** **Student Presentations**
- 10:00** **Ayzha D. Ward**
Climatology and cluster analysis: self-organizing maps (SOMs)
Texas Southern University
- 10:30** **Terrence Brown**
A Remark on AP Functions by Terrence Brown and Sabin White, graphs by TA Darin Brindle
Morehouse College
- 11:00** **Kingsley Iyawe**
Modeling the Effect of Socioeconomic Factors on Teen Birth Rates
Morehouse College
- 11:30**
- 12:00-12:15** **Closing Session**

Dr. Leon Woodson

Executive Secretary – National Association of Mathematicians

12:15– 1:30

Box Lunch