



THE SAMS MASAMU PROGRAM

<https://www.masamu.auburn.edu>

Ninth Annual Masamu Advanced Study Institute (MASI) and Workshops in Mathematical Sciences

November 22 - December 1, 2019

Blantyre, Malawi

About: Sponsored by the U.S. National Science Foundation, the Masamu Program was established in 2010 with the primary goal of enhancing research in mathematical sciences within Southern Africa Mathematical Sciences Association (SAMS) institutions through promotion of international research collaboration.

Masamu Advanced Study Institute (MASI) and Workshops in Mathematical Sciences: This key component of the Masamu Program provides a platform for such collaboration. The target audiences of the MASI are graduate and undergraduate students and early career faculty (rank less than associate professor) while research workshops are open to students, faculty, and other researchers in the mathematical sciences. In order to effectively use MASI and Research Workshops, the Masamu Program has created a Collaborative Research Network (CRN) consisting of research faculty from Africa, North America, and Europe grouped into six research areas. Participants in this CRN take advantage of annual SAMS conferences, Masamu Institutes, and Research Workshops to meet face to face, work on research problems, plan research activities for the following year, and present their research findings at the conferences. Other activities include Department Heads and Senior Research Scientists meetings and workshops in Career Development, STEM Education, and High Performance Computing. The Masamu Program is administered by the Office of Special Projects and Initiatives at Auburn University.

Masamu Program Research Areas:

- Algebra and Geometry
- Analysis and Topology
- Graph Theory, Coding Theory, and Information Theory
- Mathematical Biology
- Climate Change and Impacts
- Biostatistics and Data Science
- Mathematics of Finance and Statistics

General inquiries about the Masamu Program may be directed to:

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- Program staff: masamu@auburn.edu

Masamu Programs: 2011 - 2018



2011: Livingstone, Zambia



2012: Lilongwe, Malawi



2013: Stellenbosch, South Africa



2014: Victoria Falls, Zimbabwe



2015: Windhoek, Namibia



2016: Pretoria, South Africa



2017: Arusha, Tanzania



2018: Palapye, Botswana

2019 Masamu Program Research Groups

Analysis:

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2019 Masamu Program Research Groups

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Administration:

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2019 Masamu Program Schedule

Friday, November 22:		
Lunch	1:00 – 2:00	Amaryllis Hotel
Registration	2:00 – 6:00	Amaryllis Hotel
Institute Planning Meetings	2:00 – 6:00	Amaryllis Hotel
Break and Networking	6:00 – 7:00	
Dinner	7:00 – 8:00	Amaryllis Hotel
Saturday, November 23:		
Institute and SA Workshop	9:00 – 12:00	Amaryllis Hotel
Lunch	12:00 – 2:00	Amaryllis Hotel
Institute and SA Workshop	2:00 – 5:00	Amaryllis Hotel
Break and Networking	5:00 – 6:00	
Dinner	6:00 – 7:00	Amaryllis Hotel
Sunday, November 24:		
Institute	9:00 – 12:00	Amaryllis Hotel
Lunch	12:00 – 2:00	Amaryllis Hotel
Institute	2:00 – 5:00	Amaryllis Hotel
Break and Networking	5:00 – 6:00	
Dinner	6:00 – 7:00	Amaryllis Hotel
Monday, November 25:		
SAMSA Conference (w/ Lunch)	8:00 – 4:00	Malawi Sun Hotel
Break and Networking	4:00 – 5:30	
Dinner	6:00 – 7:30	Amaryllis Hotel
Institute	7:30 – 10:00	Amaryllis Hotel
Tuesday, November 26:		
SAMSA Conference (w/ Lunch)	8:30 – 1:00	Malawi Sun Hotel
SAMSA Colloquium	2:00 – 5:00	MUST
Dinner	7:00 – 8:30	Amaryllis Hotel
Institute	8:30 – 10:00	Amaryllis Hotel

2019 Masamu Program Schedule

Wednesday, November 27:		
SAMSA Conference (w/Lunch)	8:30 – 5:00	Malawi Sun Hotel
Break and Networking	5:00 – 7:00	
SAMSA Conference Dinner	7:00 – 10:00	Malawi Sun Hotel
Thursday, November 28:		
Excursions - Optional	8:00 – 7:00	
Dinner	7:00 – 8:00	Amaryllis Hotel
Institute	8:30 – 10:00	Amaryllis Hotel
Friday, November 29:		
Institute	9:00 – 12:00	Amaryllis Hotel
Lunch	12:00 – 2:00	Amaryllis Hotel
Institute	2:00 – 5:00	Amaryllis Hotel
Break and Networking	5:00 – 6:00	
MASI Dinner	6:00 – 8:00	Amaryllis Hotel
Saturday, November 30:		
Institute	9:00 – 12:00	Amaryllis Hotel
Lunch	12:00 – 2:00	Amaryllis Hotel
Institute Research Presentations	12:00 – 6:00	Amaryllis Hotel
Dinner	6:00 – 7:00	Amaryllis Hotel
Sunday, December 1:		
Institute Planning Workshop (with Breakfast)	8:00 – 9:00	Amaryllis Hotel
Checkout and Networking	9:00 – 10:00	Amaryllis Hotel
Depart for BLZ	10:00	