

THE SAMSA MASAMU ADVANCED STUDY INSTITUTE (MASI) AND WORKSHOPS IN MATHEMATICAL SCIENCES

THE SIXTH MASAMU ADVANCED STUDY INSTITUTE (MASI) AND WORKSHOPS IN MATHEMATICAL SCIENCES:

The primary goal of the Masamu Program (masamu.auburn.edu) is to enhance research in mathematical sciences within Southern Africa Mathematical Sciences Association, or SAMSA, (samsa-math.org) institutions through promotion of international research collaboration. A key component of the Masamu Program is the Advanced Study Institute and Workshop Series in mathematical sciences that provide a platform for such collaboration. The target audiences of the Masamu Advanced Study Institute are undergraduate and graduate students, post-docs, and early career faculty while the workshops are open to all students, faculty, and other researchers in mathematical sciences. The sixth Masamu Advanced Study Institute and Workshops will be held November 18-27, 2016, in Pretoria, South Africa, during the 2016 SAMSA conference.

Masamu Advanced Study Institute (MASI) on Algebra, Analysis, Coding Theory, Graph Theory, Mathematical Modeling of Biological Systems, Mathematics of Finance, and Statistics, November 19-25, 2016: During the institute, participants will work in teams on problems and promising techniques and develop plans for future collaboration. Teams will be led by research faculty members from the Masamu Collaborative Research Network. Participants will be provided materials for them to review before coming to the institute. Each team will work on specific research topics during the institute. In subsequent months, participants will continue to collaboratively work on these research topics, prepare research grant proposals, and prepare research publications and presentations for conferences including the 2017 SAMSA conference. The institute has a limited number of spaces and is open only to undergraduate and graduate students, post-docs, and early career faculty (rank lower than associate professor). All participants of the institute are required to attend the Research Workshop that will be held immediately after the institute.

Research Workshop, November 25-27: The workshop will consist of research presentations by experienced researchers in mathematical sciences with extended follow-up discussion periods.

MASI and SAMSA conference participants are encouraged to register for the following Masamu workshops to be held during the conference:

Career Development Workshop: The workshop will give participants an opportunity to discuss issues relevant to graduate students, post-docs, and early career faculty such as graduate school survival skills, publishing, balancing teaching and research, and effective teaching strategies.

Department Heads, Chairs, and Senior Research Scientists Workshop: This will focus on cultivating sustained cooperation between and among United States and Southern African Mathematical Sciences departments and the role that heads, chairs and senior research scientists can play in nurturing early career/junior research faculty.

COMPUTING: Sessions will incorporate computing or file sharing and thus participants are required to bring tablets or laptop computers with a USB port.

LODGING: All participants will be housed at the same hotel in Pretoria, South Africa.

APPLICATION: Deadline for receipt of applications is Monday, August 29, 2016. To apply for the Masamu Advanced Study Institute (MASI) and the Research Workshop, please submit:

1. A one-page letter of interest that includes a paragraph on potential or actual sources of funding
2. A two-page curriculum vitae, and
3. Two letters of recommendation, at least one of which must address the candidate's academic strengths and potential.

African applicants should mail their complete applications to:

Dr. Moatlhodi Kgosimore
Department of Basic Sciences
Botswana College of Agriculture
Private Bag 0027, Gaborone, Botswana
Phone: +267 3650277 Fax: +267 3928753
Email: mkgosi@bca.bw, kgosimor@gmail.com

US applicants should mail their complete applications to:

Dr. Ash Abebe
Department of Mathematics and Statistics
221 Parker Hall, Auburn University, AL 36849-5310, USA
Phone: 334-844-6567 Fax: 334-844-6555
Email: abebeas@auburn.edu

Please apply promptly since the number of participants in the institute is very limited. Women and minorities are encouraged to apply.

FOR GENERAL INQUIRIES about the Masamu Program, use the contact information provided below.

Africa:

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MASAMU PROGRAM STEERING COMMITTEE:

Ash Abebe (Auburn University, USA)
Overtoun Jenda (Auburn University, USA), Co-Chair
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