

COMPUTATIONAL MIXED-INTEGER PROGRAMMING WORKSHOP

Operations on Integers



The African Institute for Mathematical Sciences (AIMS), Ghana invites applications from researchers with interests and backgrounds in linear programming, linear algebra, and computer programming, and to participate in the Integer Programming Workshop **27th to 31st August, 2018**. Applicants are required to have a basic background in mathematical optimization techniques.

The workshop will be held at AIMS Ghana.

Organized within the framework of the German Research Chair programme in AIMS Ghana, under the Alexander von Humboldt and the German Ministry of Education and Research, the DAAD foundation, the workshop will bring together renowned international and national scientific researchers, young researchers and graduate students working on optimisation, computer sciences, statistics and related fields.

The workshop will provide training in formulating linear, nonlinear, and mixed-integer optimization problems using the modeling language AMPL (<https://ampl.com>) and solving these problems with various problem-class specific numerical solvers.

The workshop will include lectures and practical training. A written examination will be taken, upon which certificates will be provided.

This Workshop will provide a platform for increasing the cooperation between students and researchers in stochastics analysis and applications on the one hand, and various institutions and research centers on the other hand.

There will also be a series of talk on stochastics and finance.

Lecturers

Armin Fugenschuh,
Brandenburg U of Technology, Cottbus
Fabian Gnengel,
Brandenburg U Technology, Cottbus

Guest Speaker

Dirk Becherer,
Humboldt U Berlin

Application and Requirements

Thanks to the sponsorship of the Alexander von Humboldt Foundation, the German Minister of Education and Research, DAAD, and AIMS-Ghana there are no registration fees for all research students and academics.

There will however be a participation fee of Ghc 300.00 for all applicants who fall out of this category. This will cover your meals, and workshop materials. Payment must be made immediately upon arrival. Participants are expected to bring their own laptop (MacOS, Linux, Windows equally welcome).

For more information, kindly send an email to Ms. Rhoda Mahamah via email: rhoda@aims.edu.gh. The subject of your email should have your full name and the name of the workshop as shown in the example: RhodaMahamah_CMIPWorkshop2018

You may submit your applications here: goo.gl/Y.pWFCA

Organizers

Armin Fugenschuh,
Brandenburg U of Technology, Cottbus

Olivier Menoukeu Pamen,
AIMS Ghana; U Liverpool

The deadline for application is 23:59 on 25th July, 2018.