

African Mathematical Schools (AMS) Ecoles Mathématiques Africaines (EMA)

Call for Application

Deadline to present the application: October 1st, 2012

Time frame: Schools to be held between January 1st and December 30th, 2013

The application, consisting of a detailed project for a mathematical school, should be sent both to the African Mathematical Union (AMU) and CIMPA

Contact for AMU: pr_stoure@yahoo.fr

Contact for CIMPA: marie-francoise.roy@univ-rennes1.fr

Goals and mission of an AMS

The objectives of an African Mathematical School (AMS) are:

- To provide Master students or early PhD students with the mathematical foundations and essential tools of selected active areas of mathematics
- To contribute to the development of mathematics in all regions of the African continent by promoting the exchange of knowledge between the young African mathematicians and the international mathematical community
- To break the isolation of African mathematicians by providing a platform for meeting, exchange of knowledge, and occasion for sharing experiences so to get to know each other better

Specific goals of an AMS are to contribute to:

- The production of mathematical literature based on the scientific programme of the school (this literature can be in form of on-line documents specifically tailored or bibliographical references easily accessible)
- The identification of talented students eligible to continue further their studies, possibly within a PhD programme.

Each AMS should be intended and organized for a number of participants between 40 and 80.

The local expenses of the lecturers and of all the participants to the schools from the host country are in charge of organizers and the host country.

The travel expenses of the lecturers and all the travel and local expenses of the participants from outside the host country are in charge of AMU, CIMPA, and their partners (those can include the countries the lecturers and participants are originated from).

The duration of an AMS is wished to be of 3 or 4 weeks and never shorter than 2 weeks.

The AMU is charged of publishing regularly, possibly in electronic form, the reports of each completed AMS.

The lecturers should provide, free of charge, written study material to each participant.

Preparation of the application

The applications should be detailed and contain the following information:

- Name of the coordinator of the AMS
- The scientific committee of the AMS, which will be in contact with the AMS committee (see below)
- The host institution for the AMS
- The organizing committee of the AMS, which will be in contact with the AMS committee
- The dates of beginning and end of the school
- The school programme: courses and lecturers in charge
- The pedagogical frame of each course (number of lecturers ex cathedra and tutorials, exercises, use of computers or other facilities, mini-projects, etc.)
- Number of expected students from the host country and from other countries in the region and beyond
- Expected proportion of female students
- The lodging facilities that will be set available for the students coming from outside the host country and the organization concerning their living for what concerns breakfast/lunch/dinner
- The lodging facilities and the living of the lecturers as well as their general hosting
- The scientific material that will be produced by the AMS
- The mechanism of evaluation designed for each course.

For the preparation of the application, the organizers are encouraged to take contact with the AMS committee.

The **AMS committee** is composed of representatives from AMU and CIMPA.

For AMU: Prof. Saliou Toure and Prof. Daniel Makinde

For CIMPA: Prof. Marie-Françoise Roy and Prof. Giulia Di Nunno