Second International Conference of Mathematics in Erbil (SICME2019)
Salahaddin University, Erbil – College of Science, Department of Mathematics

International cooperation in mathematics: some examples, including CIMPA, ICTP, IHÉS, IMU, EMS, RNTA

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CIMPA, ICTP

CIMPA
Centre International de
Mathématiques Pures et
Appliquées

https://www.cimpa.info/index.php

ICTP
International Centre for
Theoretical Physics

https://www.ictp.it/research/math.aspx

IHÉS, IMU

IHÉS
Institut des Hautes Études
Scientifiques

https://www.ihes.fr/

IMU,
Commission for Developing
Countries (CDC)

https://www.mathunion.org/activities/commission-developing-countries-cdc
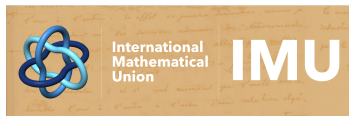
EMS, RNTA

EMS
European Mathematical
Society

European
Mathematical
Society

EMS Committee for Developing Countries

https://nickpgill.github.io/emscdc/

http://euro-math-soc.eu/committee/developing-countries

RNTA
Roman Number Theory
Association

http://www.rnta.eu/

IMU

IMU,
Commission for Developing
Countries (CDC)

The CDC has the mandate to manage all initiatives of the IMU in support of mathematics in developing and economically disadvantaged countries.

Besides administering the Grants Programs for Mathematicians as well as the Volunteer Lecture Program, the CDC takes part in the following types of activities in accord with various aspects of its mission :

- Research
- Support of local initiatives
- Support of Educational and Local Capacity Building Programs
- Implementation of IMU member contribution programs destined for support of mathematics and mathematics teaching in developing countries.
- Exploration of funding and grant opportunities of new and existing sponsors.
- Development of proposals and joint activities with partner organizations.
- Identification of inexpensive and free online mathematics research resources and advertise these to mathematicians in the developing world.
- Service as a "clearing-house" for the activities of individual countries and mathematics societies in support of mathematicians in the developing world.
- Encouragement of proposals and support projects from mathematical organizations or individual mathematicians in the developing world

In order to pursue its mission CDC receives an annual grant from IMU.

IMU CDC

IMU
Commission for Developing
Countries (CDC)

The CDC is charged with the following missions :
- to manage, strengthen and promote the programs of the IMU in developing and economically disadvantaged countries.
- to search for funding to support the corresponding activities.
- to establish institutional partnerships with scientific organizations with common goals.

IMU Volunteer Lecturer Program

Two main objectives of the Volunteer Lecturer Program are :

1. to build capacity in mathematics and mathematics education in developing countries, and

2. to increase mathematical interaction between the mathematical community in the developed world and the vast, mostly untapped reservoir of mathematical talent in the developing world.

The Volunteer Lecturer Program offers universities in the developing world lecturers for intensive 3-4 week courses in mathematics at the advanced undergraduate or master's level. The funds for all living expenses, including travel (up to USD 5000 paid in EUR) are provided by IMU/ CDC or its supporting organizations (AMS, USNCM and Abel Board).

The course given by the volunteer should be part of a regular mathematics undergraduate or master degree program at the hosting university.

Breakout Graduate Fellowships

Support for postgraduate studies in a developing country, leading to a PhD degree in the mathematical sciences with duration of up to four years, for excellent students from developing countries.

Donation by the winners of the Breakthrough Prizes in Mathematics (Ian Agol, Jean Bourgain, Simon Donaldson, Christopher Hacon, Maxim Kontsevich, Vincent Lafforgue, Jacob Lurie, James McKernan, Terence Tao and Richard Taylor), IMU - with the assistance of FIMU (`www.friends-imu.org`) and TWAS (`https://twas.org`) - has now raised $ 900,000.

`https://www.mathunion.org/cdc/scholarshipsgraduate-scholarships/`

`imu-breakout-graduate-fellowship-program`

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- Non IMU Grants

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https://www.mathunion.org/cdc/