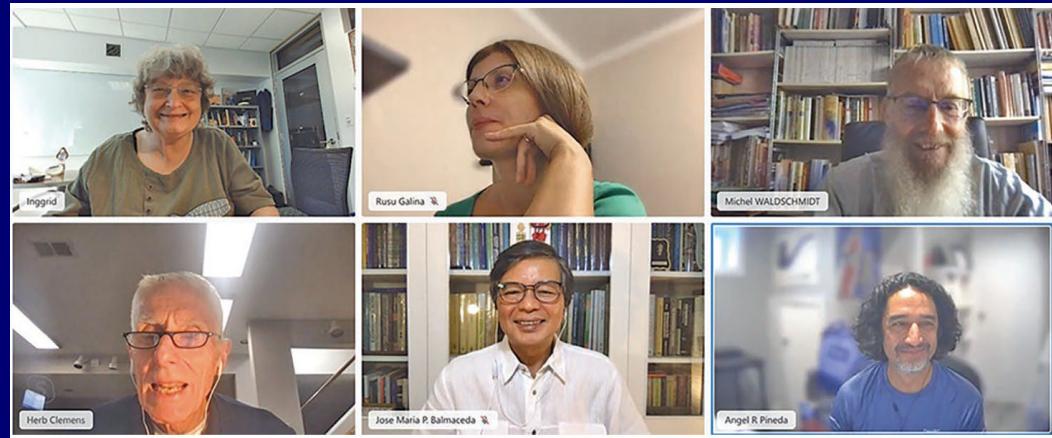
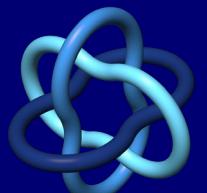


Mecanismos de apoyo de organizaciones internacionales (IMU, CIMPA, ICTP, TWAS) para estudiantes y profesores de matemática en Centro América



Angel R. Pineda
Departamento de Matemáticas
Hofstra University, NY, USA

EMALCA
Tegucigalpa, Honduras
Junio 27, 2025



Colaboradores

- **José Antonio de la Peña**

Presidente del CDC y coautor del reporte de la IMU de LAC

- **Andrea Solotar**

Presidenta del CDC, comité organizador de EMALCA 2025 y co-autora del reporte de la IMU de LAC

- **Luis Cáceres Duque**

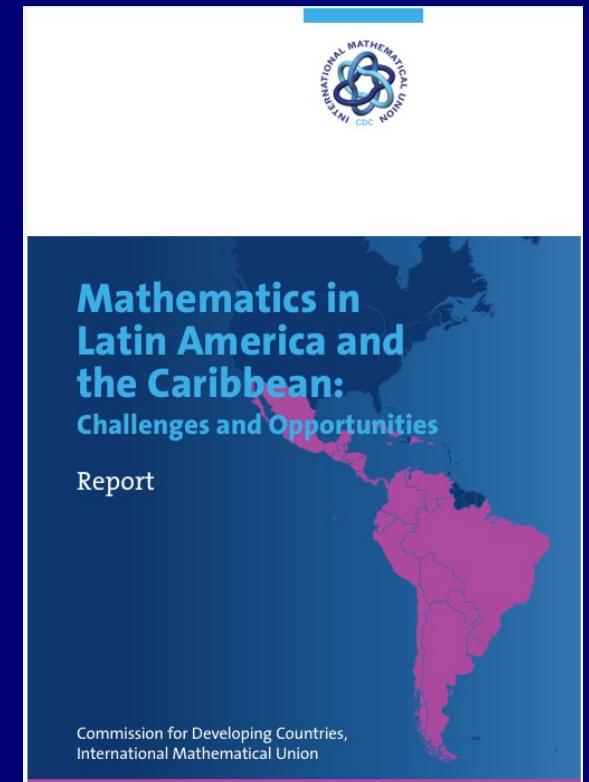
Coautor del reporte de la IMU de LAC

- **Herb Clemens**

Secretario del CDC y cofundador de GRAID

- **Ingrid Daubechies**

Presidenta de la IMU y cofundadora de GRAID

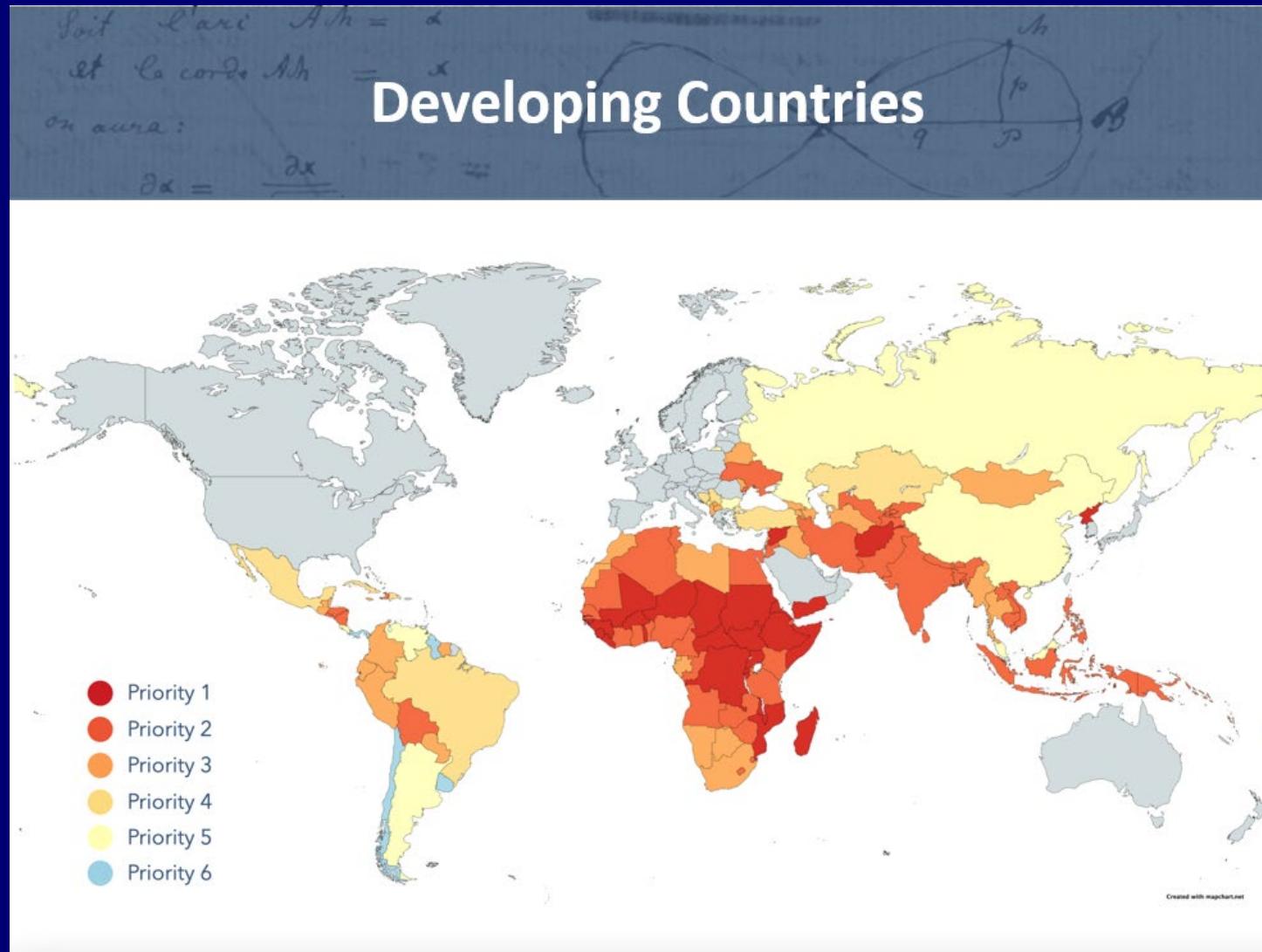


IMU CDC 2015-2018



<https://www.mathunion.org/cdc/about-cdc/news-and-events/cdc-webinars>

IMU Países en Desarrolló



IMU Programas de Apoyo



Grant Programs

Grants for Conferences

- Conference Support Program

Grants for Research Visits

- Abel Visiting Scholar Program
- Individual Travel Support Program

Grants for Graduate Students

- Breakout Graduate Fellowships
- Graduate Research Assistantships In Developing Countries (GRAID)

Grants for Institutions

- Volunteer Lecturer Program
- Library Assistant Scheme

Grants for Projects

IMU – Conferencias



Conference Support Program

Financial support to

- Conferences/Schools in the field of mathematics organized in developing countries
- In exceptional cases international conferences in developed countries in order to invite mathematicians from developing countries

Eligible expenses

- Travel and accommodation expenses of invited speakers and/or participants from developing countries

Applications:

- Made by the organizers of the event only
- Applicants cannot apply for more than €4,000

Special attention is given to under-represented groups

IMU - Conferencias



<https://www.mathunion.org/cdc/about-cdc/news-and-events/cdc-webinars>

IMU Visitas de Investigación

	Abel Visiting Scholar Program	Simons Research Fellowship Program
Who	Post-doctoral mathematicians under the age of 35 in the early stages of their professional career	Post-doctoral mathematicians based in developing countries
What	One month long research visit* in an internationally renowned mathematical institution <small>*Visits can be longer than a month but awarded grant only covers expenditures for the first month</small>	Research visit of from one to three months in an internationally renowned mathematical institution <small>*Visits can be longer than a month but awarded grant only covers expenditures for the approved period (between one to three months)</small>
How much	Up to \$5,000	Up to US\$15,000
When	3 calls per year Only 1 grant awarded each call	4 calls per year Multiple grants awarded each call

IMU Visitas de Investigación (2024)

Claudia Lederman

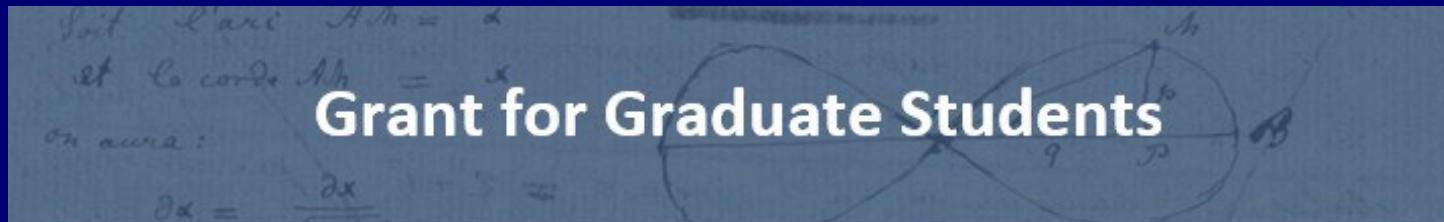
Claudia Lederman is a researcher at the Ciudad Universitaria - Pabellón I - (C1428EGA) - Buenos Aires, Argentina. The main goal of her research visit is to study the free boundary problems governed by nonstandard growth operators. She will be hosted by Prof. Fausto Ferrari of the University of Bologna , Italy.



Maria Eugenia Cejas

Maria Eugenia Cejas is a researcher at the UBA, CONICET, Argentina. The main goal of her research visit is to study the solvability of divergence in Hardy spaces abnd the Sobolev-Poincare inequalities in rectangles. She will be hosted by Prof. Carlos Pérez Moreno of the BCAM, Spain.

IMU Becas para estudiantes



Grant for Graduate Students		
	Breakout Graduate Fellowships	GRAID Program
Who	PhD students	Master's and PhD students working in a research group led by a Principal Investigator in partnership with an International Partner
What	Tuition fees, travel expenses, accomodation and basic living expenses	Stipends for the graduate research students
How much	Up to \$10,000 per year for a maximum of four years	Up to \$3,500 per year per graduate research assistant
When	1 call per year	1 call per year

<https://www.mathunion.org/cdc/about-cdc/news-and-events/cdc-webinars>

IMU Becas para estudiantes (2024)

Damián Eduardo Cedeño López

Damián Eduardo Cedeño López is a student from Ecuador. He received a four year doctoral fellowship to pursue a PhD at the Escuela Politécnica Nacional. His research will focus on Bilevel Learning with Total Variation Regularization for Seismic Imaging of Magmatic Chambers under the supervision of Prof. Juan Carlos De Los Reyes Bueno (Center for Mathematical Modeling (MODEMAT), Escuela Politécnica Nacional, Ecuador).



IMU Becas para estudiantes (GRAID)



IMU Profesores Voluntarios

Volunteer Lecturer Program

The purpose of the program is to provide funding for the organization of courses given by external lecturers of the following types:

- (A) Courses that are part of a regular mathematics undergraduate or master degree program
- (B) Courses at doctoral level which can be beneficial to PhD students and researchers

The proposed lecturer can be freely chosen by the applicant or selected in the Volunteer Lecturer Database.

The funding can be used to cover travel expenses and related costs and under exceptional circumstances accommodation and basic living costs for the time of the course.

IMU Profesores Voluntarios (2022)

Honduras

Universidad Nacional Autónoma de Honduras (UNAH)

Professor Fabrizio Ruggeri (Research Director at the Italian National Research Council in Milano, Italy) gave a course in statistics at the department "Maestría en Matemática con orientación en Ingeniería Matemática y Estadística Matemática" of the Universidad Nacional Autónoma de Honduras (UNAH). He taught 15-20 master degree in mathematics students during September 12 to 23 and October 10 to 22, 2022.

IMU Profesores Voluntarios (2009)



<https://www.mathunion.org/cdc/about-cdc/news-and-events/cdc-webinars>

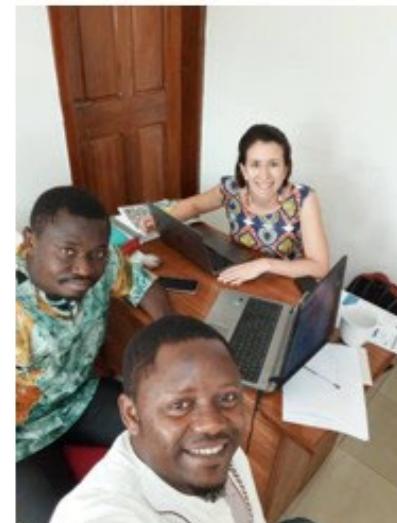
IMU Apoyo a Bibliotecas



The Library Assistance Scheme matches donors of mathematical materials with libraries in universities/research institutions in developing countries where there is a need for mathematical research literature.

The CDC offers limited financial support for shipment costs.

In 2020, Prof. Diletta Martinelli (Universiteit van Amsterdam) donated books to AIMS-Cameroon (Limbe, Cameroon)



CIMPA -Escuelas

2025 CALL FOR SCHOOLS IN 2027

The call for proposals for CIMPA 2027 schools is open; projects must be submitted online by October 3, 2025. The online application form will be available soon. To prepare your application now, we strongly recommend reading the PDF version of the form below to see the necessary information and begin collecting the elements offline.

The final phase of project selection will take place in early February 2026.

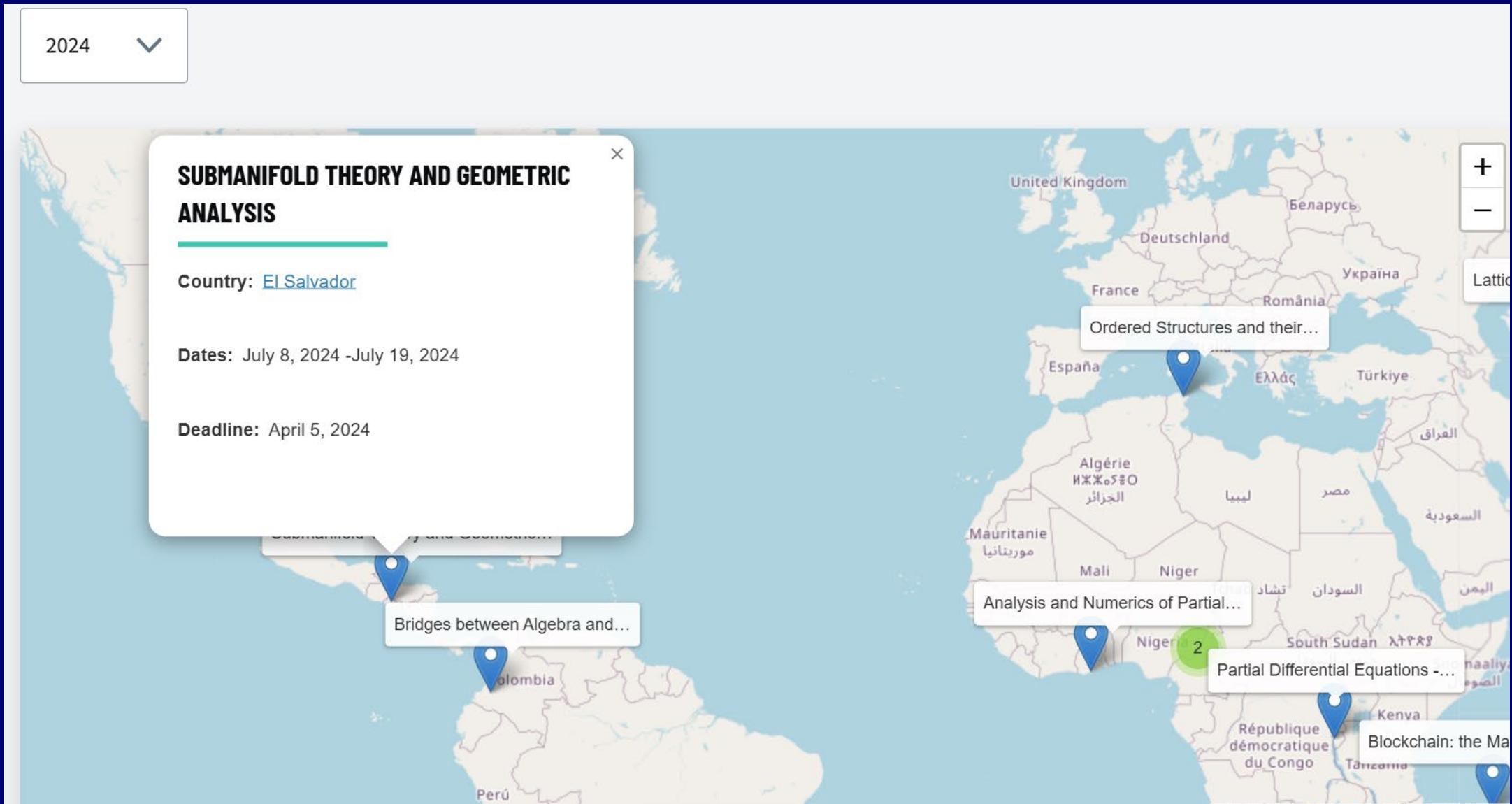
When preparing your application, we strongly recommend contacting one of the scientific directors for the relevant geographic area. In addition to providing ideas and contacts, the director will help you verify that you meet the criteria below.

CIMPA's financial support can reach up to €20,000. At least half of CIMPA's funding is allocated specifically to support participants from developing countries outside the host country.

The eligibility criteria below are the criteria required for your project to be considered. The evaluation criteria determine its acceptance.

Financial support is determined based on each school's profile, taking the economic situation of the host country as a basis and adjusting it according to the other evaluation criteria.

CIMPA -Escuelas



<https://cimpa.info/>

CIMPA –Escuelas en Colaboración

Schools in partnership (organization)

PRESENTATION

CIMPA supports advanced schools of mathematics in partnership with continental mathematical societies and committees:

- the African Mathematical Union ([UMA](#)) for African Mathematical Schools (EMA);
- the Unión de Matemática de América Latina y del Caribe ([UMALCA](#)) for the Escuelas de Matemática de América Latina y del Caribe (EMALCA);
- [the Southeast Asian Mathematical Society for SEAMS Schools](#) ;
- [the Asian-European Schools in Mathematics committee for AESIM Schools](#) .

CIMPA Course

PRESENTATION AND CALL FOR PROJECTS

CIMPA is developing a CIMPA Course program aimed at the most mathematically or economically deprived areas (typically priority zones 1, 2 or 3 of the IMU-CDC).

The program consists of financing the arrival of a speaker (without restriction of affiliation) to teach a mathematics course (in the broad sense) at master's or research level.

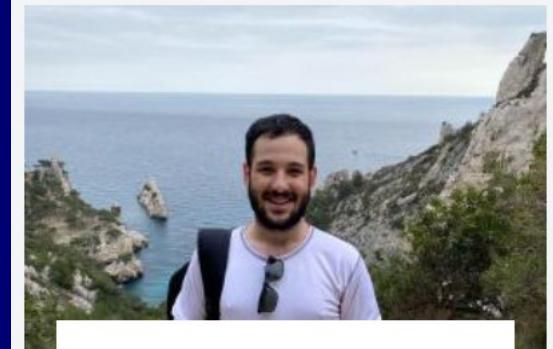
This program can be used to reinforce an existing master's course or to prepare for another event

CIMPA –Viajes de Investigación

CIMPA Fellowships are grants that allow young mathematicians based in developing countries (according to the [IMU classification](#)) to participate in thematic stays in research centers. These are exceptional opportunities to deepen one's field of expertise and to experience research within the international community in very good living conditions.

The calls are in partnership with the following research centers

- The [Bernoulli Center](#) (Lausanne, Switzerland)
- The International Center for Mathematical Meetings ([CIRM](#), Marseille, France)
- The Center de Recerca Matemàtica ([CRM](#), Barcelona, Spain)
- The Henri Poincaré Institute in Paris ([IHP](#), Paris, France)
- The Lie-Størmer Center ([LSC](#), Tromsø, Norway)



Francisco Galluccio

Affiliation

National University of Litoral,
Argentina

Winner of the CIRM thematic month "[Arithmetic and Information Theory](#)" from January 30 to March 3, 2023.

CIMPA – Investigación en Parejas

The CIMPA-ICTP Research in Pairs fellowship program allows mathematics researchers based in a developing country to come to Europe to collaborate with a colleague. The two individuals are expected to work together on a well-founded research project, primarily at the European colleague's institute.

The evaluation is based, of course, on the presentation and quality of the scientific project, and on the relevance of the collaboration between the two colleagues. In addition to these criteria, applications from colleagues who are scientifically active despite a challenging environment and/or heavy teaching, supervision, or administrative tasks, and who have not had many opportunities for international travel in the last 5 years are particularly welcome.



**Rodrigo HERNANDEZ
GUTIERREZ**

Affiliation
Metropolitan Autonomous University

Winner with Santi SPADARO University of Palermo (Italy).

His mini-course and his interview

EMS – CDC (Viajes y Eventos Científicos)

The EMS CDC has access to limited funds, substantially from donations. Our funds are used to provide support for mathematicians, and mathematical activities, from the Global South. Applicants from disadvantaged regions of Europe should consider applying for funding to the EMS European Solidarity Committee

Among other initiatives, the CDC offers two types of funding opportunities throughout the year: individual travel grants and grants for organizing scientific events. Applications can be submitted throughout the year and are reviewed at two deadlines (February 28 and August 31), for events or activities that are scheduled to happen at least 2 months after the relevant deadline. Applications that align with the CDC's terms of reference are evaluated during the Committee's biannual meetings in April and October. Funding usually ranges from 1000 to 2000 euros.



EMS – CDC Centros de Excelencia

EMS CDC Emerging Regional Centres of Excellence Programme

| [CDC main](#) | [Members](#) | [ToR](#) | [Funding](#) | [ERCE](#) |

About

Emerging Regional Centres of Excellence (ERCE) is a recognition awarded by the EMS CDC to centres of mathematics in the Global South that have achieved a substantial level of research activity and that play a key role in training students in their region, including students from less developed neighbouring areas. This recognition is granted for a period of 4 years (renewable). An important aspect is the training of students from the home country and neighbouring areas to Masters and PhD level.

Name	Country	Period	Liasons
AUST	Nigeria	2022-25	Sophie Dabo, Balazs Szendroi
ZLAM	Senegal	2022-25	Marie-Fran�oise Roy, Erwan Brugall�
IMSP	Benin	2022-25	Michel Waldschmidt, Sophie Dabo
UCA	Morocco	2022-25	Giulia di Nunno, Conall Kelly
ITB	Indonesia	2022-25	Diletta Martinelli
INSPEM	Malaysia	2022-25	Sophie Dabo, Joaquim Correia
LUMS	Pakistan	2023-26	Emanuel Carneiro, Peter Stevenhagen

<https://euromathsoc.org/committee-developing-countries-activities>

ICMAM (International Community of Mathematicians from Latin America)

ICMAM Latin America 2024

Home Certificates ICMAM Prize Schedule Map Participants Scientific Program More ▾

Invited International ICMAM Speakers

- **Hiraku Nakajima**
University of Tokyo
President of the
[International Mathematical Union](#)
- **Pierre-Louis Lions**
Collège de France
- **Michael Ruzhansky**
Ghent University and Queen Mary University of London
- **Peter Sarnak**
Princeton University, USA.
- **Avi Wigderson**
Institute for Advanced Study, Princeton USA.
- **Efim Zelmanov**




① Hiraku Nakajima
Pierre-Louis Lions
H. Frankowska
M. Ruzhansky
A. Dickenstein
P. Sarnak



<https://sites.google.com/view/icmamlatinamerica/home>

MCA



MCA 2025

Mathematical Congress of the Americas 2025
July 21, 2025 – July 25, 2025
InterContinental Miami, an IHG Hotel

MCofA Mathematical Council of the Americas

Program ▾ Committees ▾ Schedule ▾ Travel ▾ News Sponsors & Exhibitors ▾ Registration

MCA 2025

IX Pan-American Workshop Applied Mathematics & Computational Science

Jan 11, 2018 | Activities, Co-sponsored

This workshop will be held at Melia Varadero Hotel in Varadero, Cuba between June 11-15, 2018.

US-Mexico Conference on Representation Theory, Categorification, and Non-commutative Algebra 2017

Jul 27, 2017 | Activities, Co-sponsored

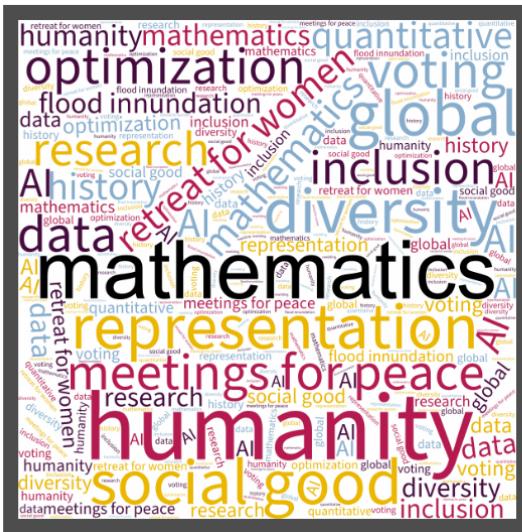
Third Meeting of the US-Mexico Conference on Representation Theory, Categorification, and Noncommutative Algebra, to be held between November 27th – December 1st, 2017 at Mathematics Institute of UNAM in Mexico City.

Mathematics for Humanity

Mathematics for Humanity

Closing Date: 1 Dec 2025

Mathematics for Humanity



Mathematics for Humanity--Activities Worldwide

Knowledge Exchange for Humanity--Collaboration between Academia and External Partners with a Commitment to Human Welfare

Mathematics Action Coalition for Humanity

Launched in 2023 this new programme of activities in the mathematical sciences is devoted to education, research and scholarly exchange with the potential for direct relevance to the betterment of humanity. If you are interested in submitting a proposal you should contact the [Centre Manager](#) in the first instance.

You can find [here](#) a list of proposals funded thus far.

ICMS invites proposals for activities that revolve around three inter-related themes:

A. [Integrating the global research community](#)

B. [Mathematical challenges for humanity](#)

C. [Global history of mathematics](#)

Mathematical and Computational Foundations of Deep Learning (Argentina)
Lead Organiser: Marcelo Pereyra, Heriot-Watt University

ICTP

(International Centre for Theoretical Physics)

Postgraduate Diploma Programme

An intense, pre-PhD programme for talented students

Contacts:   

APPLICATION AND ADMISSION

COURSES

CMP

ESP

HECAP

MTH

QIS

MATHEMATICS

[Print this](#)

Coordinator: Lothar Göttsche

Courses for the academic year 2024-2025

I Term

II Term

Select academic year

[timetable for current week](#)

<https://www.ictp.it/math>

ICTP (International Centre for Theoretical Physics)

Associates Programme

The ICTP Associates Programme was created at the very inception of the Centre in 1964, by ICTP founder and Nobel Laureate Abdus Salam. Since then it has granted more than 3000 Associateships to scientists coming from all over the world.

<https://www.ictp.it/math>

TWAS (Third World Academy of Sciences)

TWAS RESEARCH GRANTS PROGRAMME IN BASIC SCIENCES: INDIVIDUALS

Under this scheme, grants are awarded to promising high-level research projects in biology, chemistry, mathematics and physics carried out by individual scientists in one of the S&T-lagging countries identified by TWAS.

The call is closed

Minimum degree held
PhD

Field
Biology, Chemistry,
Mathematics, Physics

Age limit
45

TWAS RESEARCH GRANTS PROGRAMME IN BASIC SCIENCES: GROUPS

Under this scheme, grants are awarded to promising high-level research projects in biology, chemistry, mathematics and physics carried out by research units in the S&T-lagging countries identified by TWAS.

The call is closed

Minimum degree held
PhD

Field
Biology, Chemistry,
Mathematics, Physics

Age limit
None

Gracias por su atención

