



# CIMPA

Centre International  
de Mathématiques Pures et Appliquées

**2017 ANNUAL REPORT**  
[www.cimpa.info](http://www.cimpa.info)

# FOREWORD



It is a pleasure to present CIMPA to you together with Ludovic Rifford, the Director, in this brochure. We are proud of CIMPA's history of contributing to the interest and growth of mathematics in the developing world. Our Research Schools, the main area of work, as well as other activities are illustrated here, and have had a significant impact. There are many mathematicians supporting CIMPA, from Europe, from the developing countries as well as others who serve as co-organizers and lecturers, or on our Scientific Council. We are grateful to them for the strong and expert support we receive. It is also a pleasure to acknowledge the support and leading contribution by the French Government and Scientific Community, as well as from Spain, from Norway and from Switzerland.

The recognition of CIMPA's achievements, and enthusiasm to contribute to its success, has led to the consideration other countries in Europe joining the organization, which is a positive strategic goal we are following. It is my pleasure to serve as President of CIMPA and to contribute with the Governing Board, Ludovic and others to its excellent work.

**Barry GREEN**  
PRESIDENT

A handwritten signature of Barry Green in blue ink.



This brochure, which serves as an annual report, presents the activities that were financed and co-financed by CIMPA in 2017. These were made possible by the continued funding and involvement of CIMPA's four member countries (France, Spain, Norway and Switzerland) and UNESCO, as well as by the links established by CIMPA over the years with continental mathematical societies and many partners throughout the world. In 2017, CIMPA undertook four types of activity in 38 countries: the Research Schools – CIMPA's traditional activity - Support for Research Training, which makes it possible to provide funding for a series of one-off courses in the field in a very flexible manner, partnership schools organised in association with mathematical societies in Africa, South America, Southeast Asia and West Asia, and the Short Thematic Programmes, which finance termly participation at the Institut Henri-Poincaré in Paris and which will soon be extended to the Recerca Matemàtica Centre in Barcelona. All these activities owe a great deal to the work and energy of the members of the Board of Directors, the Scientific Council and the Steering Committee, the Scientific Managers and our invaluable administrative and technical team, whom I should like to thank very warmly. I hope you enjoy reading this brochure.

**Ludovic RIFFORD**  
EXECUTIVE DIRECTOR

A handwritten signature of Ludovic Rifford in black ink.



# CONTENTS



FINANCES	14
PARTNERS	16



CIMPA .....	4
<b>CIMPA'S ACTIVITIES .....</b>	<b>6</b>
RESEARCH SCHOOLS .....	7
SUPPORT FOR TRAINING IN RESEARCH .....	10
SHORT-TERM THEMATIC PROGRAMMES .....	11
SCHOOLS IN PARTNERSHIP .....	12
<b>FINANCES .....</b>	<b>14</b>
SUBSIDIES .....	15
2017 ALLOCATION OF EXPENSES .....	15
<b>PARTNERS .....</b>	<b>16</b>
PARTNERS LIST .....	17
<b>GOVERNANCE &amp; ADMINISTRATION.....</b>	<b>18</b>
GOVERNING BOARD .....	19
SCIENTIFIC COUNCIL .....	20
EXECUTIVE TEAM .....	21
STEERING COMMITTEE .....	22
FINANCIAL STATEMENT 2017 .....	23

# ABOUT US



The **Centre International de Mathématiques Pures et Appliquées (CIMPA)**, founded in France in 1978, is a non-profit organisation that promotes research in Mathematics in developing countries. Located in Nice, it is a UNESCO Category 2 centre and is part of the **Centre d'Accueil et de Rencontres Mathématiques Internationales** (Laboratoire d'Excellence CARMIN). It benefits from the financial support of France, Norway, Spain and Switzerland.

**CIMPA** co-organises and sponsors numerous activities in developing countries, in all continents. Each activity is funded through a process of calls for proposals in one of the following categories:



Research Schools



Support for Training  
in Research



Short-Term Thematic  
Programmes

**CIMPA** also strongly supports activities developed in close collaboration with continental mathematical unions, such as Schools in Partnership, the purpose of which is to introduce undergraduate and Master students to research in Mathematics. For most of its activities, **CIMPA** works in partnership with other organisations with similar objectives, such as the **International Mathematical Union (IMU)**, the **European Mathematical Society (EMS)** and the **International Centre for Theoretical Physics (ICTP)**.



Research School in Buenos Aires (Argentina) - 2017

# CIMPA, SINCE ITS CREATION



Founded  
in 1978



Based  
in Nice - France



Budget  
About 500,000€ per year



Each year, more than 1,000 participants attend  
one of CIMPA's Research Schools



Activities in more  
than 100 countries in the world



A Worldwide partner network of  
organisations and academic institutions



Research School in Sirince (Turkey) - 2017



Research School in Beirut (Lebanon) - 2017

Research School in Ibarra (Ecuador) - 2017





# ACTIVITIES

# RESEARCH SCHOOLS



Historically, **CIMPA**'s activity concerns the organisation of Research Schools in developing countries. It focuses on areas where there is real enthusiasm and where there is a scope for a research project. The purpose of a **CIMPA** Research School is to provide an introduction to recent research in pure and applied Mathematics, as well as related subjects such as Computer Sciences and Theoretical Physics. Research Schools are aimed at students and research teaching staff from developing countries. **CIMPA** provides the schools with financial support to cover the travel and living expenses of participants from neighbouring countries. Calls for proposals are launched every year, with a view to organising twenty or so Research Schools the following year.

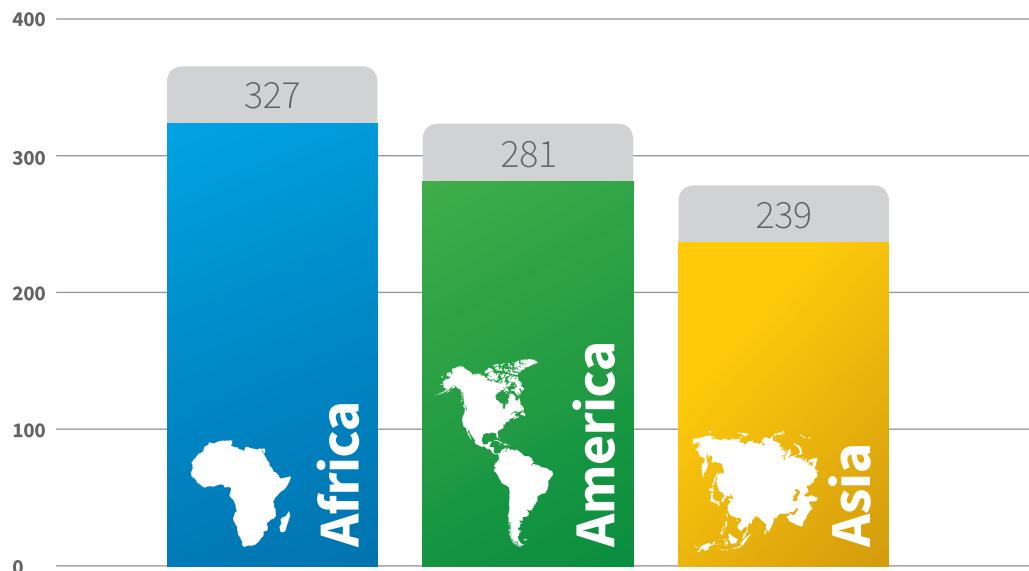
To date,  
**CIMPA** has organised  
**341** Research Schools  
in **62** Countries.



Research School in Ibadan (Nigeria) - 2017

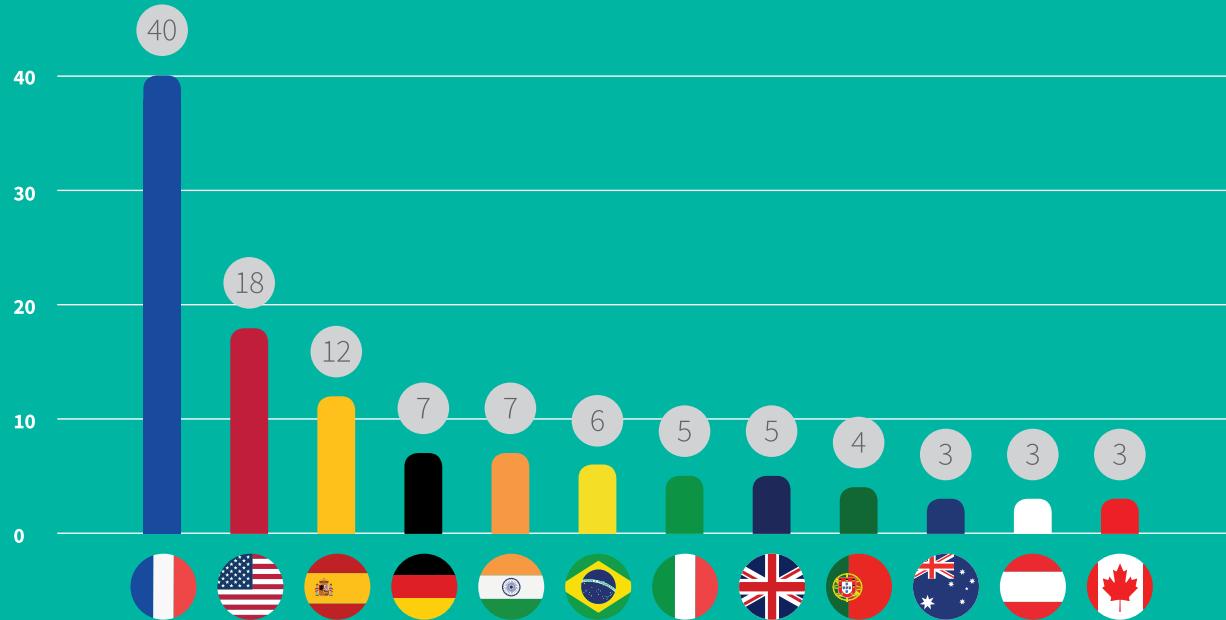
# STATISTICS 2017

## Continents of Participants



Each column indicates the number of participants from the continent

## Lecturers' Countries



Each column indicates the number affiliated in the corresponding country

1 or 2 from the following countries:

Argentina, Chile, China, Denmark, Ecuador, Israel, Ivory Coast, Jamaica, Japan, Kenya, Lebanon, Mexico, Morocco, New Zealand, Nigeria, Norway, Russia, Serbia, South Korea, Sweden, Tunisia, Turkey.



**Buenos Aires**  
**Argentina** July 31 - Aug 11

Harmonic analysis,  
geometric measure theory  
and applications

**Urcuquí**  
**Ecuador** Sep 18 - 29

Algorithmic nonsmooth  
optimization

**Havana**  
**Cuba** March 6 - 17

Spatial statistics, extreme  
value and epidemiology

**Sao Paulo**  
**Brazil** July 2 - 15

Algebraic methods  
in coding theory

**Kingston**  
**Jamaica** Jan 8 - 20

Representation theory and  
applications to differential  
equations

**Lima**  
**Peru** Sep 4 - 15

Group actions on algebraic  
varieties

**Novosibirsk**  
**Russian Federation** Aug 7 - 19

Associative and non-associative  
algebras

**Settat**  
**Morocco** Apr 16 - 28

Aspects algébrique,  
combinatoire et analytique  
des probabilités itérées

**Meknès**  
**Morocco** May 1 - 10

Analyse numérique & équations  
aux dérivées partielles

**Sirince**  
**Turkey** May 29 - June 12

Artin L-functions, Artin's  
primitive roots conjecture  
and applications – with ICTP

**Beyrouth**  
**Lebanon** Feb 13 - 22

Graph theory and  
its applications

**Ankara**  
**Turkey** Sep 11 - 22

Quasi-cyclic and related  
algebraic codes

**Pune**  
**India** June 19 - 30

Recent trends in  
non-commutative algebras

**Kanpur**  
**India** July 10 - 21

Summer school on multiscale  
computational methods  
and error control

**Ziguinchor**  
**Senegal** Nov 20 - Dec 2

Géométrie complexe  
et applications

**Abidjan**  
**Ivory Coast** Apr 10 - 22

Théorie algébrique des  
nombres et applications  
notamment en cryptographie  
– with ICTP

**Ibadan**  
**Nigeria** June 11 - 24

Combinatorial and  
computational algebraic  
geometry

**Quy Nhon**  
**Viet Nam** July 12 - 22

Noncommutative geometry and  
applications to quantum physics

**Vientiane**  
**LAO PDR** Jan 3 - 13

Introduction to the mathematical  
analysis of differential equations  
and real-life applications

**Khovd**  
**Mongolia** July 17 - 28

Functional analysis and partial  
differential equations

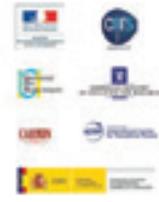
# CIMPA 2017

## Ecole de recherche Research Schools

INTERNATIONAL CENTRE FOR PURE AND APPLIED MATHEMATICS (CIMPA) is an association of universities from the developing world  
and their associations in Mathematics and Mathematical Sciences. CIMPA is funded by UNISDR and supported by Institut des Hautes Études  
Scientifiques, Ministry of Higher Education and Research and by the Centre National de la Recherche Scientifique (CNRS).

LE GROUPE INTERNATIONAL DE MATHÉMATIQUES PURES ET APLIQUÉES (GIMP) est une association de universités du  
monde en développement et leurs associations en mathématiques et sciences mathématiques. GIMP est financé par l'UNISDR et soutenu par  
l'Institut des Hautes Études Scientifiques, le Ministère de l'enseignement supérieur et de la recherche et le Centre National de la Recherche Scientifique (CNRS).

<http://cimpa.info>



# SUPPORT FOR TRAINING IN RESEARCH

CIMPA offers a programme of **Support for Training in Research (STR)** for the most mathematically or economically disadvantaged areas. The STR programme consists of funding the organisation of research-level courses in Mathematics for a period of one to four weeks. The beneficiaries are Mathematics departments, students, lecturers and researchers from developing countries.



STR in Benin - 2017

STR in Benin - 2017

PLACE	INSTITUTION	TOPIC
HAITI	Université d'État d'Haïti	Probabilité-Statistique
MYANMAR	University of Mandalay	Fundamentals of Algebra
MONGOLIA	National University of Mongolia	Fundamentals in Complex Analysis and Applications
NEPAL	Tribhuvan University	Fields and Galois theory, Theory of Algebraic Curves
NIGERIA	University of Ibadan	Stochastic Analysis and Financial Mathematics
BURKINA FASO	Université polytechnique de Bobo Dioulasso	Mathématiques discrètes
BENIN	Université d'Abomey - Calavi	Méthodes statistiques en datamining
BENIN	Institut de Mathématiques et de Sciences Physiques	Une introduction à la géométrie et la physique des espace-temps de type trou noir et au rayonnement gravitationnel
BENIN	Institut de Mathématiques et de Sciences Physiques	La théorie algébrique des nombres II
MOZAMBIQUE	Universidad Pedagógica	Analises Multivariado
MADAGASCAR	Université d'Antananarivo	Introduction à la combinatoire analytique et analyse d'algorithme
MADAGASCAR	Université d'Antananarivo	Graphes aléatoires et algorithmes randomisés
MADAGASCAR	Université d'Antananarivo	Introduction à la combinatoire analytique et analyse d'algorithme
MOZAMBIQUE	Universidad Pedagógica	Metodología de Pasquisa
CAMEROON	Université de Ngaoundéré	Introduction à l'épidémiologie mathématique et aux systèmes dynamiques
IVORY COAST	Université Félix Houphouët-Boigny	Mini-cours sur le processus de poisson et la convergence en loi des processus
GHANA	University of Ghana	Upgrade in Mathematics
MOZAMBIQUE	Eduardo Mondlane University	Financial Derivatives
IRAQ	University of Salahaddin –Erbil-Kurdistan	Basic Mathematics for Codes and Cryptography

# SHORT-TERM THEMATIC PROGRAMMES

CIMPA funds the participation of young mathematicians from scientifically developing countries in Short Thematic Programmes, providing the ideal environment to discuss ideas and methods related to specific research areas in Mathematics, through conferences, classes and seminars.

## Institut Henri Poincaré Trimester

«Combinatorics and interactions» from January 9 to March 31, 2017



**Chi NGUYEN**  
University of Buenos Aires (Argentina)  
3 months in 2017



**Ignatius Philip NGWONGWO**  
University of Ibadan (Nigeria)  
3 months in 2017



**Juan Camilo TORRES CHAVES**  
Universidad de Los Andes (Colombia)  
1 month in 2017



**Bahador KHODAKHAB**  
University of Tehran (Iran)  
3 months in 2017

## Institut Henri Poincaré Trimester

«Analysis in Quantum Information Theory» from September 4 to December 15, 2017



**Alexis LEGON**  
Venezuelan Institute of Scientific Research (Venezuela)  
3 months in 2017



The three laureates  
for the IHP Trimester  
from September 4  
to December 15, 2017



**Alihuène GARCIA PAVIONI**  
Universidad Nacional de la Plata (Argentina)  
3 months in 2017



**Abdallah SLAOUI**  
Faculty of Sciences of Rabat (Morocco)  
3 months in 2017



# SCHOOLS IN PARTNERSHIP

**CIMPA** supports advanced mathematical schools in partnership with continental mathematical unions or societies. These schools are of Master's or final Bachelor Degree level, and may be seen as a preparatory step towards a future Research School.

Calls for proposals, dealing with these proposals and work with the organisers of these schools to improve projects are the responsibility of ad-hoc committees of continental mathematical societies in which **CIMPA** can be represented.



EMA in Kenya - 2017

**CIMPA** covers the travel and living expenses of participants from neighbouring developing countries. **CIMPA**'s support is subject to the **CIMPA** Support Guidelines Conditions for Schools in Partnership.

- ▶ **African Mathematical Schools/ Écoles Mathématiques Africaines (EMA)**
- ▶ **Escuelas de Matemática de América Latina y del Caribe (EMALCA)**
- ▶ **SEAMS Schools of Mathematics** (South East Asian Mathematical Society)
- ▶ **West Asia Mathematical Schools (WAMS)**

## African Mathematical Schools

PLACE	INSTITUTION	TOPIC
ALGERIA	Université Dr Tahar Moulay de Saida	Géométrie différentielle, structures géométriques et théorie géométriques de groupes
SENEGAL	École Polytechnique de Thiès	Mathématiques pour la cryptographie post-quantique & mathématiques pour le traitement du signal
KENYA	CORAT Africa in Karen (Nairobi)	EAUMP-ICTP Summer School on Modern Functional Analysis
BURUNDI	Université du Burundi	L'Analyse et la géométrie appliquées
CONGO	Université Marien Ngouabi de Brazzaville	Sur la géométrie différentielle

# Escuelas de Matemática de América Latina y del Caribe



DATE	PLACE	INSTITUTION
12/06 - 23/06	COLOMBIA	Universidad de Antioquia en Medellín
31/07 - 11/08	ARGENTINA	Universidad Nacional del Nordeste en Corrientes
07/08- 11/08	ECUADOR	Universidad San Francisco de Quito
03/09 - 08/09	VENEZUELA	Universidad de Los Andes en Mérida
11/09 - 23/09	BOLIVIA	Universidad Mayor de San Andrés
04/12 - 15/12	MEXICO	Universidad de Guadalajara



## South East Asian Mathematical Society

DATE	PLACE	INSTITUTION	TOPIC
08/03 - 15/03	VIETNAM	Vietnam Institute for Advanced Study in Mathematics and Hanoi University of Science	Mathematical Modelling in Biology
05/04 - 16/04	VIETNAM	Hanoi Institute of Mathematics	Complex Analysis and Geometry
17/07 - 25/07	PHILIPPINES	Institute of Mathematics, University of the Philippines	Elliptic Curves
24/07- 31/07	THAILAND	Chiang Mai University	Fixed Point Theory and Optimization

WAMS  
in Erbil-Kurdistan (Iraq) 2017



## West Asia Mathematical Schools

DATE	PLACE	INSTITUTION	TOPIC
12/03 - 22/03	IRAQ	Salahaddin University (Erbil-Kurdistan Region)	Topics in Algebraic Number Theory and Diophantine Approximation
01/07 - 13/07	IRAN	Institute for Advanced Studies in Basic Sciences (Zanjan)	Topics in Analytic and Transcendental Number Theory
05/08 - 17/08	IRAN	Institute for Advanced Studies in Basic Sciences (Zanjan)	Algebra, Combinatorics and Geometry of Monomials

# FINANCES



# SUBSIDIES

CIMPA receives subsidies from the following European and international institutions:

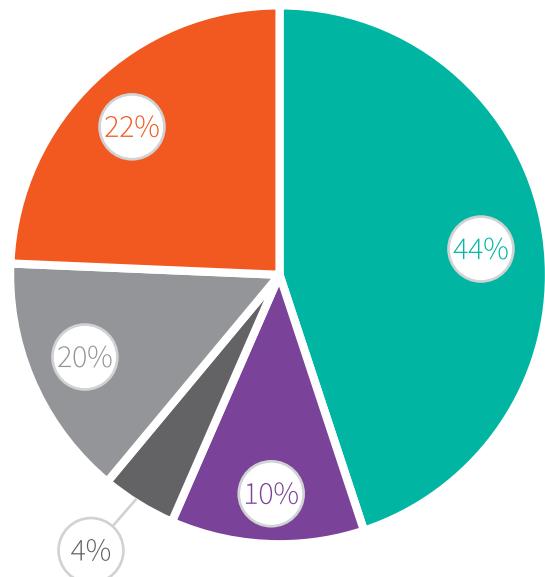
- ▶ Ministère de l'Enseignement Supérieur et de la Recherche (France)
- ▶ Université Nice Sophia Antipolis (France)
- ▶ Laboratoire d'Excellence CARMIN (France)
- ▶ Institut des Sciences Mathématiques et de leurs Interactions du CNRS (France)
- ▶ Ministère des Affaires Étrangères et Européennes (France)
- ▶ Ministerio de Economía, Industria y Competitividad (Spain)
- ▶ Ministry of Education and Research (Norway)
- ▶ Secrétariat d'État à la formation, à la recherche et à l'innovation (Switzerland)
- ▶ UNESCO



## ALLOCATION OF EXPENSES

Total budget (2017): 500,000€

ALLOCATION	BUDGET
Research Schools	220K€
Support for Training in Research	50K€
Short-Term Thematic Programmes	20K€
Schools in Partnership	100K€
Administration + Others	110K€





# PARTNERS



# PARTNERS LIST

The primary partners of **CIMPA** are the institutional members of the Steering Council which develops the strategy and the scientific policy of **CIMPA**:

- ▶ **Académie des Sciences (France)**
- ▶ **Comité Español de Matemáticas (CEMAT) (Spain)**
- ▶ **Comisión Española de Cooperación con la UNESCO (Spain)**
- ▶ **Commission nationale française pour l'UNESCO (France)**
- ▶ **Institut de la Recherche en Informatique et Automatique (Inria) (France)**
- ▶ **Institut des Sciences Mathématiques et de leurs Interactions (INSMI-CNRS) (France)**
- ▶ **Norwegian Mathematical Society (Norway)**
- ▶ **Real Sociedad Matemática Española (RSME) (Spain)**
- ▶ **Société de Mathématiques Appliquées et Industrielles (SMAI) (France)**
- ▶ **Société Française de Statistique (SFdS) (France)**
- ▶ **Société Mathématique de France (SMF) (France)**
- ▶ **Sociedad de Estadística e Investigación Operativa (SEIO) (Spain)**
- ▶ **Sociedad Española de Matemática Aplicada (SEMA) (Spain)**
- ▶ **Societat Catalana de Matemàtiques (SCM) (Spain)**
- ▶ **Swiss Mathematical Society (SMS) (Switzerland)**
- ▶ **Université Nice Sophia Antipolis (France)**

Being part of the French Laboratoire d'Excellence **CARMIN (Centre d'Accueil et de Rencontres Mathématiques Internationales)**, CIMPA works in close collaboration with the three other **CARMIN's** members:

- ▶ **Institut Henri Poincaré (IHP) (France)**
- ▶ **Institut des Hautes Études Scientifiques (IHES) (France)**
- ▶ **Centre International de Rencontres Mathématiques (CIRM) (France)**

The **CIMPA** has signed agreements of cooperation with several institutions:

- ▶ **Académie Hassan II des Sciences et Techniques (Morocco)**
- ▶ **African Institute of Mathematical Sciences (AIMS)**
- ▶ **Instituto Nacional de Matematica Pura e Aplicada (IMPA)**
- ▶ **Institut national de recherche en informatique et en automatique (Inria)**
- ▶ **Ministerio de Ciencia, Tecnología e Innovación Productiva de la República Argentina (MinCyT)**

Most of **CIMPA**'s activities benefit from close ties established by **CIMPA** with the following international organisations:

- ▶ **Commission for Developing Countries (CDC) of the International Mathematical Union (IMU)**
- ▶ **Committee for Developing Countries (CDC) of the European Mathematical Society (EMS)**
- ▶ **International Center for Theoretical Physics (ICTP)**
- ▶ **Agence Universitaire de la Francophonie (AUF)**

Close partners of **CIMPA** also include several continental mathematical unions, for example through the funding of Schools in Partnership:

- ▶ **African Mathematical Union (AMU)**
- ▶ **Unión Matemática de América Latina y el Caribe (UMALCA)**
- ▶ **South East Asian Mathematical Society (SEAMS)**
- ▶ **Southern Africa Mathematical Sciences Association (SAMSA)**

Other **CIMPA**'s partners:

- ▶ **Association pour la Promotion Scientifique de l'Afrique (APSA)**
- ▶ **Colloque Africain sur la Recherche en Informatique et Mathématiques Appliquées (CARI)**
- ▶ **Centro de Modelamiento Matemático (CMM)**
- ▶ **Comité National Français des Mathématiciens (CNFM)**
- ▶ **Deutsche Mathematiker Vereinigung (DMV)**
- ▶ **European Mathematical Society (EMS)**
- ▶ **International Mathematical Union (IMU)**
- ▶ **International Council for Industrial and Applied Mathematics (ICIAM)**
- ▶ **Institut de Recherche pour le Développement (IRD)**
- ▶ **Mathrice**
- ▶ **Soutien aux Activités de Recherche en Informatique et Mathématique en Afrique (SARIMA)**
- ▶ **UNESCO**



 CIMPA

# GOVERNANCE & ADMINISTRATION

# GOVERNING BOARD



PRESIDENT  
**Barry GREEN**  
University of Stellenbosch  
South Africa

The Governing Board is responsible for overseeing the administration of CIMPA. It approves the financial statements and monitors that they have been implemented in accordance with CIMPA's aims.

## Individual Members



VICE-PRESIDENT  
**Annie RAOULT**  
Université Paris Descartes  
France



**Servet MARTINEZ**  
Universidad de Chile  
Chile



SECRETARY  
**Ivan AREA**  
Universidade de Vigo  
Spain



**Modeste N'ZI**  
Université Félix Houphouët Boigny  
Ivory Coast



TREASURER  
**Marc AUBRY**  
Université Nice Sophia Antipolis  
France



**Viet Dung NGUYEN**  
Vietnam Academy of Science and  
Technology - Vietnam

## Institutional Members

- ▶ UNESCO
- ▶ Direction générale de la recherche et de l'innovation(DGRI), France
- ▶ Université de Nice Sophia Antipolis (UNS), France
- ▶ Norwegian Ministry of Education and Research, Norway
- ▶ Ministerio de Economía y Competitividad (MINECO), Spain
- ▶ Institut des Sciences Mathématiques et de leurs Interactions (INSMI-CNRS), France

# SCIENTIFIC COUNCIL



PRESIDENT  
**Hans MUNTHE-KAAS**  
University of Bergen  
Norway

The Scientific Council is comprised of 12 members.  
It makes recommendations on the CIMPA's scientific activities.



**Edy Tri BASKORO**  
Institut Teknologi Bandung  
Indonesia



**Henar HERRERO SANZ**  
Universidad de Castilla-La Mancha  
Spain



**Mohamed BOUCETTA**  
Université Cadi-Ayad  
Morocco



**Mahouton Norbert HOUNKONNOU**  
Université d'Abomey-Calavi  
Benin



**Carlos DI PRISCO**  
Universidad de Los Andes  
Colombia



**Bertrand MAURY**  
Université Paris-Sud  
France



**Laura GEATTI**  
Università di Roma Tor Vergata  
Italy



**Helena NUSSENZVEIG LOPEZ**  
Universidade Federal de Rio de Janeiro  
Brazil



**Peter IMKELLER**  
Humboldt-Universität zu Berlin  
Germany



**Sara VAN DE GEER**  
ETH Zurich  
Switzerland



**Sujatha RAMDORAI**  
University of British Columbia  
Canada

# EXECUTIVE TEAM



EXECUTIVE DIRECTOR  
**Ludovic RIFFORD**  
Université Nice Sophia Antipolis  
France

CIMPA's Executive Team consists of an Executive Director, a group of Scientific Officers and Administrative and Technical Staff. The Executive Director, who is responsible for the day-to-day running of CIMPA, benefits from the expertise of the Scientific Officers, who act as consultants for geographical areas and other important issues.

## Scientific Officers



**Didier AUSSEL**  
Université de Perpignan  
France



**Brigitte LUCQUIN**  
Université Pierre et Marie Curie  
France



**Yacine CHITOUR**  
Université Paris-Sud  
France



**Christian MAUDUIT**  
Université d'Aix Marseille  
France



**Giulia Di NUNNO**  
University of Oslo  
Norway



**Jorge MOZO FERNANDEZ**  
Universidad de Valladolid  
Spain



**Elisa GORLA**  
Université Neuchâtel  
Switzerland



**Stéphanie NIVOCHE**  
Université Nice Sophia Antipolis  
France



**Jorge JIMENEZ URROZ**  
Universitat Poltècnica de Catalunya  
Spain



**Vladys RAVELOMANANA**  
Université Paris 7  
France



**Rosane USHIROBIRA**  
Inria  
France

## STAFF

**Agnès GOMEZ** Executive Secretary  
**Hélène LAMIRI** Communication Officer  
**Roland RUELLE** IT Responsible

# STEERING COMMITTEE



PRESIDENT

**Barry GREEN**

University of Stellenbosch  
South Africa

The Steering Council draws up CIMPA's medium- and long-term scientific strategy. It offers policy guidance, suggests priorities and makes recommendations. Every year, it designs the programme for CIMPA research schools and other activities, based on the recommendations of the Scientific Council.

## Individual Members

**Ivan AREA** Universidade de Vigo, Spain

**Marc AUBRY** Université Nice Sophia Antipolis, France

**Servet MARTINEZ** Universidad de Chile, Chile

**Modeste N'ZI** Université Félix Houphouët Boigny, Ivory Coast

**Viet Dung NGUYEN** Vietnam Academy of Science and Technology, Vietnam

**Annie RAOULT** Université Paris Descartes, France

## Institutional Members

- ▶ **Académie des Sciences**, France
- ▶ **Comisión Nacional Española de Cooperación con la UNESCO**, Spain
- ▶ **Comité Español de Matemáticas (CEMAT)**, Spain
- ▶ **Commission nationale française pour l'UNESCO**, France
- ▶ **Institut de la Recherche en Informatique et en Automatique (INRIA)**, France
- ▶ **Institut des Sciences Mathématiques et de leurs Interactions (INSMI-CNRS)**, France
- ▶ **Norwegian Mathematical Society**, Norway
- ▶ **Real Sociedad Matemática Española (RSME)**, Spain
- ▶ **Sociedad de Estadística e Investigación Operativa (SEIO)**, Spain
- ▶ **Sociedad Española de Matemática Aplicada (SEMA)**, Spain
- ▶ **Societat Catalana de Matemàtiques (SCM)**, Spain
- ▶ **Société de Mathématiques Appliquées et Industrielles (SMAI)**, France
- ▶ **Société Française de Statistique**, France
- ▶ **Société Mathématique de France (SMF)**, France
- ▶ **Swiss Mathematical Society (SMS)**, Switzerland

# FINANCIAL STATEMENT 2017

EXPENSES	
<b>ADMINISTRATIVE EXPENSES</b>	
Rent, Equipment, Office Supplies	27 721,33
Website, Communication Supports	15 240,79
Bank Fees, Taxes, Membership Fees	13 053,31
Salaries, Payroll Taxes	85 718,03
<b>TOTAL ADMINISTRATIVE EXPENSES</b>	<b>141 733,46</b>
<b>ACTIVITIES</b>	
<b>RESEARCH SCHOOLS</b>	
Vientiane, Laos	12 920,19
Kingston, Jamaica	11 954,80
Beirut, Lebanon	10 622,86
Havana, Cuba	10 497,93
Abidjan, Ivory Coast	7 508,24
Settat, Morocco	7 973,00
Ifrahe, Morocco	10 784,53
Sirince, Turkey	9 880,11
Ibadan, Nigeria	13 614,03
Pune, India	11 261,83
Sao Paulo, Brazil	12 304,95
Kanpur, India	4 428,51
Quy Nhon, Vietnam	12 242,66
Khovd, Mongolia	12 554,05
Buenos Aires, Argentina	13 004,32
Novosibirsk, Russia	3 761,50
Lima, Peru	12 073,53
Urcuqui, Ecuador	9 195,45
Ziguinchor, Senegal	13 245,03
<b>TOTAL RESEARCH SCHOOLS</b>	<b>199 827,52</b>
<b>SUPPORT FOR TRAINING IN RESEARCH</b>	
Semester 1	13 632,21
Semester 2	5 378,68
<b>TOTAL SUPPORT FOR TRAINING IN RESEARCH</b>	<b>19 010,89</b>
<b>SHORT-TERM THEMATIC PROGRAMMES</b>	
IHP Trimester T1 "Combinatorics and Interactions"	11 098,00
IHP Trimester T3 "Analysis in Quantum Information theory"	10 302,34
<b>SOUS TOTAL PROGRAMME CIMPA-CARMIN</b>	<b>21 400,34</b>
<b>SCHOOLS IN PARTNERSHIP</b>	
EMA	35 000,00
EMALCA	14 942,79
SEAMS	18 434,00
WAMS	8 477,96
<b>TOTAL SCHOOLS IN PARTNERSHIP</b>	<b>76 854,75</b>
<b>OTHER EXPENSES</b>	
PACOM	5 977,00
Support to Southeast Asia (airticket of a student from Cambodia to CIMAT in Mexico)	1 144,46
Supports to workshops in Iraq through the French Embassy	3 026,71
Support to a conference dedicated to Ahmad El Soufi	1 637,78
Travel expenses of members of the executive team and bureau	1 985,08
Expenses for General Assembly/Governing Board/Scientific Council/ Steering Committee meetings	10 267,09
<b>TOTAL OTHER EXPENSES</b>	<b>24 038,12</b>
<b>TOTAL ACTIVITIES</b>	<b>341 131,62</b>
<b>TOTAL EXPENSES</b>	<b>482 865,08</b>
<b>SURPLUS</b>	<b>33 627,88</b>
<b>TOTAL GENERAL</b>	<b>516 492,96</b>
<b>DEFICIT 2016</b>	<b>-26 006,20</b>

INCOMES	
<b>ADMINISTRATION</b>	
MENESR/DGRI	230 920,00
Ministerio de Ciencia e Innovacion (Espagne)/FECYT	30 000,00
Université de Neuchâtel and EPFL (CHF 110,000)	99 412,56
Ministry of Education and Research (Norway)	30 000,00
UNESCO	7 000,00
Labex CARMIN	57 805,00
MAEE-Iraq	6 000,00
INSMI-CNRS	7 000,00
Université Nice Sophia Antipolis	33 766,65
Membership Fees, Donations, Registration Fees	14 588,75
<b>TOTAL INCOMES</b>	<b>516 492,96</b>



# CIMPA

28, avenue Valrose

Campus Valrose, Bâtiment Dieudonné II

06108 NICE CEDEX 02 - France

📞 +33 4 92 07 60 66 📩 cimpa@unice.fr 🌐 www.cimpa.info

