



Mumbai (India) CIMPA research school 2015



Renato Iturriaga

Dans cette lettre, nous utilisons les langues de travail de l'UNESCO, l'anglais et le français. Nous avons fait ce choix car nous n'avons simplement pas les moyens d'assurer plusieurs versions.

In this newsletter, we use UNESCO working languages, English and French. We made this choice because we simply cannot afford to provide multiple versions.

Foreword

UMALCA: Quality and Solidarity

With great vision a group of mathematicians including, among others, Jacob Palis, Mario Wschebor and Servet Martínez, created in Rio de Janeiro in 1995 the Mathematical Union of Latin America and the Caribbean (UMALCA).

Mathematics is recognized as a strategic tool for development and as a basis for a

comprehensive education, therefore, the creation of UMALCA responded to the need to strengthen mathematics in Latin America.

Two core values permeate all the activities at UMALCA: quality and solidarity. Quality, because without it, no strength can be built; and solidarity since it recognizes differences on the degree of development of countries in the region. Much of UMALCA efforts are directed to young people. Because open up opportunities and expand their horizons is changing today, the future.

UMALCA has three main activities.

UMALCA organizes a conference every four years where Latin American mathematics, are at the same time developed and shared to the rest of world. The central parts of the congress are the plenary lectures, the invited talks and the courses. These are given by recognized mathematicians of the world.

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research schools

november	february	march
2 - 13 <i>Cantor-Salta 2015 : Dynamics on Cantor sets, Salta (Argentina)</i>	22 - 4 <i>Moduli of Curves, Guanajuato (Mexico)</i>	31 - 9 <i>Hyperbolic groups and their representations, Piriápolis (Uruguay)</i>
december	march	april
5 - 16 <i>Probabilistic Models in Epidemiology, Ziguinchor (Senegal)</i>	7 - 18 <i>Homological Methods, Representation Theory and Cluster Algebras, Mar del Plata (Argentina)</i>	5 - 15 <i>Méthodes statistiques pour l'évaluation des risques extrêmes : Applications à l'Environnement, l'Alimentation et l'Assurance, Saint-Louis (Senegal)</i>
january	14 - 25 <i>Géométrie et Analyse, Abidjan (Côte d'Ivoire)</i>	may
11 - 22 <i>Toric methods in geometry, arithmetics and dynamics, Santiago (Chile)</i>		2 - 15 <i>Analyse Géométrique des Formes Optimales, Dakar (Senegal)</i>
february		
15 - 26 <i>Algorithmic Number Theory and Cryptographs, Nouakchott (Mauritanie)</i>	Izmir (Turkey) CIMPA research school 2015	Isfahan (Iran) CIMPA research school 2015

New CIMPA director in September 2016

Ludovic Rifford (Professor at University of Nice, France) was recently elected the new director of CIMPA. He will start in September 2016. Meanwhile, CIMPA's current director, Claude Cibils, and L. Rifford are working together to prepare the transition. An article by L. Rifford will appear in the next newsletter!



São Carlos (Brazil) CIMPA research school 2015

Some activities in 2015

1. EMA, Franceville (Gabon), Ziguinchor (Sénégal), Praia (Cap Vert), Yamoussoukro (Côte d'Ivoire), Makerere (Ouganda), Yaoundé (Cameroun), Marrakech (Maroc)
2. EMALCAs, Puebla (Mexique), Piura (Peru), Tucuman (Argentina), Mérida (Venezuela), Copacabana (Bolivia), Leon (Nicaragua)
3. Ecoles SEAMS, Hanoi (Vietnam), Ho Chi Minh City (Vietnam), Makassar (South Sulawesi, Indonesia), Serdang (Selangor, Malaysia), Yogyakarta (Indonesia)
4. Master au Cambodge
5. SAMSA, Namibie
6. Première conférence d'AWMA (African Women in Mathematics Association)



Marrakech (Morocco)
CIMPA research school 2015

My experience with CIMPA



Jorge Mozo Fernández

Perhaps the first time I had an active participation in a CIMPA School was in Lima 2008, when I helped some of the speakers in the tutorials, and in the interaction with students. After this, I was invited to give a course, also in Lima, in a CIMPA School in 2010. In this occasion, I met Alain Damlamian, as representative of CIMPA, who invited me to become an individual member. Of course, I accepted without hesitation.

Since then, I have participated and/or organized several Schools, in Colombia and Peru. In these Schools I had the opportunity of meeting a great number of students: two of them have come to Spain to do a doctoral thesis in our research team in Valladolid, and some others have gone to different places in Europe to pursue doctoral studies.

My main focus of interest is Latin America, notably due to the relationships I previously had with different research centers and universities there, but also, as a consequence of my collaboration with CIMPA during these years, I have had the opportunity of increasing my contacts with mathematicians in Africa and in the Mediterranean region. I strongly believe in the power of higher education in order to improve the conditions of living in countries still developing, and, to reach this target, CIMPA Schools are, undoubtedly, a good way, even if not the unique. During my experience giving courses in several countries, I was delighted with the interest shown by the students, that were anxious not only to learn mathematics, but also to learn about different cultures and countries. They had the dream to become good mathematicians and teachers, and I was pleased to see that we could help them to reach this objective. Without the support of CIMPA, I would not have these experiences, that I think are very fruitful and enriching for every scientist. I hope to continue my collaboration with CIMPA in the future, in the most appropriate way for this institution.

Jorge Mozo Fernández
Universidad de Valladolid, España
Individual member of CIMPA since 2011

past research schools	july	july	august	october
	19 - 31 <i>Algebraic Representation Theory 2015,</i> Cape Town (South Africa)	27 - 7 <i>Stochastic Analysis and its Applications Mongolia 2015,</i> Ulaanbaatar (Mongolia)	24 - 3 <i>Tilings and Tessellations,</i> Isfahan (Iran)	19 - 28 <i>Non-commutative Algebra,</i> Coclé (Panama)
	20 - 31 <i>Mathematical Modeling and analysis of complex systems,</i> Naivasha (Kenya)	august	24 - 4 <i>New interactions of Combinatorics and Probability,</i> São Carlos (Brazil)	november
		8 - 22 <i>Arithmétique, Groupes et Analyse : Cusco 2015,</i> Cusco (Peru)		3 - 16 <i>Aspects of Dynamical Systems,</i> Kathmandu (Nepal)

People at CIMPA

Jeanick Allanic, secrétaire, gestion des écoles de recherche
Marc Aubry, bureau, trésorier
Jean-Marc Bardet, bureau, secrétaire général
Claude Cibils, directeur, RS Amérique Latine et Caraïbes
Alain Damlamian, bureau, vice-président
Sylvain Duquesne, RS Afrique Subsaharienne
Ahmad El Soufi, RS Pourtour Méditerranéen
Agnès Gomez, secrétaire de direction et gestion financière
Elisa Gorla, RS Inde et Asie Centrale et de l'Ouest

Jorge Jimenez Urroz, RS Inde et Asie Centrale et de l'Ouest
Brigitte Lucquin, RS Asie du Sud et de l'Est, chargée de mission pour le Cambodge
Christian Mauduit, RS Asie du Sud et de l'Est
Giulia Di Nunno, RS Afrique Subsaharienne
Alfonso Perez, responsable informatique
Mercedes Siles Molina, RS transverse
Tsou Sheung Tsun, bureau, présidente
Rosane Ushirobira, chargée de mission pour la communication

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It is complemented by the special sessions that are reflections of the areas of that are cultivated in the region. In the congress there are also delivered between one and four medals "UMALCA". They recognize outstanding young mathematicians in the region. In July of next year, the fifth congress will be held in Barranquilla, Colombia.

A permanent mobility program, which promotes the exchange of researchers in the region, it is a mechanism to narrow the gaps between countries.

And finally a number of schools that are organized each year throughout Latin America: the Emalcas. These schools are aimed to undergraduate students in order to motivate them to continue their postgraduate studies. It is often the student's first contact with mathematicians outside his region. I have no doubt that these schools catalyze the development.

From CIMPA we have always received support for both, congresses and schools. In all cases, CIMPA's support has been very important. In the case of many schools it has been the difference between being able to do it or not.

There is no wonder all this support. For CIMPA, quality, solidarity and concern for the youth are fundamental values. In these 20 years, CIMPA and UMALCA have walked together. Thank you CIMPA!

Renato Iturriaga

CIMAT Researcher, Mexico

Chair of the scientific committee of the V CLAM



Rencontre à Panama avec Jorge Motta (Secrétaire du Senacyt)

Animath



“L'Association a pour but de favoriser l'introduction, le fonctionnement, le développement, la mise en réseau, la valorisation et la reconnaissance institutionnelle d'activités mathématiques dans les écoles, collèges, lycées et établissements de niveau universitaire. Elle veille tout particulièrement au développement d'ateliers et de clubs dans les établissements, à l'essor des compétitions mathématiques et à la participation du plus grand nombre d'élèves et étudiants, filles et garçons, à ce type d'activité.”

<http://www.animath.fr>

Prochaines réunions

Le prochain COP aura lieu à Grenade les 14 et 15 janvier 2016.

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Remerciements : Agnès Gomez