

Centre International de Mathématiques Pures et Appliquées International Center of Pure and Applied Mathematics



http://www.cimpa-icpam.org/

CIMPA - ICPAM



Michel Waldschmidt

Université P. et M. Curie - Paris VI

October 7, 2008

http://www.math.jussieu.fr/~miw/

http://www.cimpa-icpam.org/

Activity of CIMPA since 1978

- 156 schools
- 87 seminars, workshops, doctoral courses in the research fields of Pure and Applied Mathematics and Computer Science

in 49 countries:

- 17 in Africa
- 9 in East Asia and India
- 12 in Latin America and the Caribbeans
- 8 in the Middle East
- 3 in Eastern European Countries

http://www.cimpa-icpam.org/



CIMPA

Centre International de Mathématiques Pures et Appliquées



« Le Dubellay », 4 avenue Joachim, Bât. B, 06100 Nice, France Tél: (33) 4 92 07 79 30 - Fax: (33) 4 92 07 05 02 cimpa@unice.fr - http://www.cimpa-icpam.org

http://www.cimpa-icpam.org/

since 1978



- 10 000 participants from Africa,
 Latin America, East Asia and India,
 Europe and the Middle East
- 700 speakers:110 from developing countries



CIMPA since 1978

CIMPA is an international organization helping promote the mathematical sciences in developing countries.

Sponsored by UNESCO, it is headquartered in France and receives significant support from the French state (Ministry of Research and Higher Education, Ministry of Foreign Affairs) and from the University of Nice-Sophia Antipolis.

http://www.cimpa-icpam.org/



CIMPA

CIMPA constantly seeks to strengthen its international character. It works closely with regional mathematical unions and national mathematical associations in the South to organize its present scientific activities, plan its future ones, and develop its long-term strategies. At the same time it actively seeks support for its projects from governments in the North.

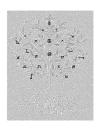


CIMPA since 1978

It is currently in the process of negotiating institutional and financial backing from the Spanish state as well. An association under French law, it has individual and institutional members in the mathematical community around the world.

http://www.cimpa-icpam.org/

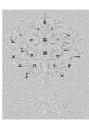




Pure and applied mathematics are CIMPA's core fields, but computer science is increasingly important in its programmes.

CIMPA also organizes many activities on the interactions of mathematics with other disciplines: health sciences, economics, sustainable development, agronomy, the environment, ... http://www.cimpa-icpam.org/

CIMPA, a major actor in mathematical research



CIMPA helps promote the mathematical sciences in developing countries through both education-through-research and education-towards-research activities.

It mainly organizes doctoral and postdoctoral projects, although it may participate in masters-level programmes, when these are the first step in the development from scratch of a new graduate programme.

http://www.cimpa-icpam.org/

CIMPA, a major actor in mathematical research



- actions in special contexts: statistics masters in Yaoundé, Lebanese network, Iraq,
- joint programmes such as SARIMA (supported by the French government and INRIA) or others supported by the European Union, UNESCO or AMMSI...

http://www.cimpa-icpam.org/

CIMPA, a major actor in mathematical research

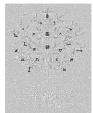


CIMPA has a long experience in organizing summer schools in developing countries, and this remains its most significant activity. But CIMPA also undertakes a number of other actions, including:

- organization and support for thematic networks: CARMA, ÉPIMATH, GÉONET, GIRAGA, RAGAAD, ...
- partnerships with similar organizations: ICTP, ISP...

http://www.cimpa-icpam.org/

CIMPA, a major actor in mathematical research



- library and publishing support through negotiation with publishing houses, editing of CIMPA lecture notes, advice on a basic mathematical library, Bordeauxthèque (special delivery of journal papers to mathematical institutes in developing countries),
- publicity for joint activities via CIMPA newsletters and international cooperation sections of web servers of mathematical societies.

http://www.cimpa-icpam.org/

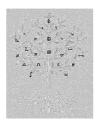
CIMPA, a major actor in mathematical research



CIMPA participates in scientific projects of all kinds. Although its financial contribution is sometimes necessarily small, its organizational contributions may be large, helping in the construction and strengthening of networks and mathematical research structures in developing countries.

CIMPA maintains active scientific partnerships with its counterparts in all the projects and programmes in which it is involved.

http://www.cimpa-icpam.org/



CIMPA Schools

Schools are intended to higher education and Research teaching staff.

Beginners as well as confirmed scientists who wish to improve or to become initiated to a new field of research can attend the lectures.

Usually a CIMPA school lasts two or three weeks (60 or 90 hours).

http://www.cimpa-icpam.org/

CIMPA Schools

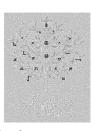


A CIMPA school is usually a presentation or an introduction to the recent researches in a field of mathematics (Pure and Applied Mathematics as well as related subjects such as computer sciences and theoretical physics) organized on French PhD programme basis.

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http://www.cimpa-icpam.org/

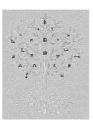
CIMPA Schools



In accordance with CIMPA mission, schools are mainly intended for mathematicians, higher teaching staff, researchers or engineers working in developing countries.

Such schools and sessions aim at diffusing scientific knowledge and facilitating scientific contacts between participants and lecturers.

Organization of CIMPA



Governing Board

Chairman Mario Wschebor (Uruguay)
Vice-Chairman Michel Waldschmidt (Paris 6)
Secretary Laurent Guillope (Nantes)
Treasurer Bernard Rousselet (Nice)

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http://www.cimpa-icpam.org/

Scientific Committee



CIMPA has an international Scientific Committee, in addition to its Governing Board and an executive staff headed by the Director.

The Scientific Committee is responsible for maintaining the scientific quality of CIMPA schools and programmes, and it advises on scientific trends and operations.

http://www.cimpa-icpam.org/

Organization of CIMPA Executive Staff



Director from October 1, 2008 on *Claude Cibils* (previous director: *Michel Jambu*)

Scientific coordinators

- * Africa (non-Mediterranean) Marie-Françoise Roy
 - * Mediterranean: Ahmad El Soufi
 - * Latin America and Caribbean: Claude Cibils
 - * South East Asia: Michel Jambu
 - * India and West Asia: Michel Waldschmidt 18

http://www.cimpa-icpam.org/

Scientific Committee



The Scientific Committee of CIMPA works in cooperation with its analogues in partner organizations when CIMPA engages in joint activities.

The Scientific Committee's role is fundamental to CIMPA and contributes to CIMPA's excellent international reputation.

It may influence CIMPA's strategy and the advancement of the mathematical sciences in the developing world.

Scientific Committee of CIMPA



Chairman Jürgen Jost (Germany)

Other members

Hajer Bahouri (Tunisia) Servet Martinez (Chile)
David Békollé (Cameroun) Ragni Pienne (Norway)
César Camacho (Brazil) Jean-Marc Steyaert (France)
Robert Eymard (France) Tsou Sheung Tsun (GB)
Andreas Griewank (Germany) Claude Viterbo (France)
Marc Lavielle (France) Enrique Zuazua (Spain)

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Scientific partners (continued)

International Centre for Theoretical Physics (ICTP)
International Mathematical Union (IMU)
Union Mathématique d'Amérique Latine
et Caraïbes (UMALCA)
Comité National Français des Mathématiciens (CNFM)
Centro de Modelamiento Matematico (CMM)
Bordeauxthèque
International Council for Industrial and
Applied Mathematics (ICIAM)
Institut de Recherche pour le Développement (IRD)

Scientific partners

Université de Nice Sophia-Antipolis
Institut National de Recherche en Informatique
et en Automatique (INRIA)

Société Mathématique de France (SMF)

Société de Mathématiques Appliquées et Industrielles (SMAI)

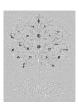
European Mathematical Society (EMS)

Union Mathématique Africaine (UMA)

South East Asian Mathematical Society (SEAMS)

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http://www.cimpa-icpam.org/



Other partners of CIMPA

Ministère des Affaires Etrangères http://www.diplomatie.gouv.fr/en/



Région Provence-Alpes-Côte d'Az Eurorégion http://www.regionpaca.fr/

Annual budget of CIMPA

25

- ~ 250 000 € /year not including salaries
- ~ 600 000 € Including salaries
- UNESCO: ~ 10 000 €
- French Ministry of Research
- Ministry of Foreign Affairs
- Region, Nice University

2009 Programme Could be modified so consult often CIMPA down ASIA Extremal Problems and Hamiltonicity in Graphs CIMPA-UNESCO-INDONESIA February 2-13, 2009, Bandung (Indonesia) 2008 Programme
2008 Programme
Local activities supporte
Newsletters of CIMPA
Application form Combinatorial and Computational Aspects Commutative Algebra What is a school? CIMPA-UNESCO-PAKISTAN CIMPA-UNISCO-PAKISTAN
February 21-28, 2009, Labore (Pakistan)
Commutative Algebra and Applications to
Combinatories and Algebraic Geometry
CIMPA-UNISCO-IRAN
June 20-30, 2009, Tehran (Iran) School courses, reports... · Semidefinite Programming in Algebraic CIMPA-UNESCO-PHILIPPINES July 20 - August 3, 2009, Manilla (Philippines)

Dynamical systems, Singularity theory and Fol
CIMPA-ICTP-UNESCO-UZBEKISTAN LATIN AMERICA and CARIBBEAN Population Dynamics, Control and Applications CIMPA-UNESCO-GUADELOUPE January 3-18, 2009, Pointe à Pitre (Guadeloupe, France) AFRICA Recent Developments in the Theory of Elliptic PDE CIMPA-UNESCO-EGYPT January 25-February 4, 2009 (new dates), Alexandria January 23-Feorusiry 4, 2009 (new dates), Alexandria (Egypt)

Control and Analysis of PDE CIMPA-UNISCO-MOROCCO
May 10-23, 2009 (new dates), Marrakech (Morocco)

Analytical and Probabilistic Aspects of Dunkl Theory. CIMPA-UNESCO-TUNISIA

April 13-25, 2009, Monastir (Tunisia)

Cimpa 2009 Centre International de Mathématiques Pures et Appliquées **International Centre for Pure and Applied Mathematics**

> Extremal Problems and Hamiltonicity in Graphs February 2-13, 2009 emidefinite Programming i Algebraic Combinatorics July 20-August 3, 2009 Manilla, Philippines Commutative Algebra and Applications to Combinatorics and Algebraic Geometry June 20-30, 2009 combinatorial and omputational Aspects of Commutative Algebra February 21-28, 2009 Lahore, Pakistan and Applications
> January 3-18, 2009
> Pointe à Pitre, Guadelou Theory of Elliptic Partial with Physics May 21-29, 2009 Analytical and Probab Logic and Algebra for Algebraic Geometry and Cryptography August 17-29, 2009 Yaounde, Cameroon Aspects of Dunkl Theory April 13-25, 2009 Monastir, Tunisia

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2009 Asia

- · Extremal Problems and Hamiltonicity in Graphs CIMPA-UNESCO-INDONESIA February 2-13, 2009, Bandung (Indonesia)
- · Combinatorial and Computational Aspects of Commutative Algebra CIMPA-UNESCO-PAKISTAN February 21-28, 2009, Lahore (Pakistan)
- · Commutative Algebra and Applications to Combinatorics and Algebraic Geometry CIMPA-UNESCO-IRAN June 20-30, 2009, Tehran (Iran)
- · Semidefinite Programming in Algebraic Combinatorics

CIMPA-UNESCO-PHILIPPINES

July 20 - August 3, 2009, Manilla (Philippines)

· Dynamical systems, Singularity theory and Foliations CIMPA-ICTP-UNESCO-UZBEKISTAN October, 2009, Samarkand (Uzbekistan)

2009

LATIN AMERICA and CARIBBEAN

Population Dynamics, Control and Applications
 CIMPA-UNESCO-GUADELOUPE
 January 3-18, 2009, Pointe à Pitre (Guadeloupe, France)

AFRICA

- Recent Developments in the Theory of Elliptic PDE CIMPA-UNESCO-EGYPT January 25-February 4, 2009 (new dates), Alexandria (Egypt)
- Control and Analysis of PDE CIMPA-UNESCO-MOROCCO
 May 10-23, 2009 (new dates), Marrakech (Morocco)
- Analytical and Probabilistic Aspects of Dunkl Theory CIMPA-UNESCO-TUNISIA April 13-25, 2009, Monastir (Tunisia)
- Cryptography



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2008

ASIA

- Commutative algebra CIMPA-UNESCO-INDIA January 2-12, Bombay (India)
- <u>Discrete and Computational Geometry</u> CIMPA-UNESCO-PAKISTAN March 23-30, 2008 POSTPONED

LATIN AMERICA

- Real Analysis and its Applications CIMPA-UNESCO-ARGENTINA May 26-June 6, 2008, Cordoba (Argentina) spanish version
- Resurgence, analytic difference-or-differential equations and foliations CIMPA-UNESCO-PERU July 14-25, 2008, Lima (Peru)

spanish version

2008

MIDDLE EAST

- Representation Theory of Algebras
 CIMPA-UNESCO-IPM
 June 15-25, 2008, Tehran (Iran) CHANGE OF DATE
- Nonlinear analysis and Geometric PDE CIMPA-UNESCO-ARMENIA
 June 15-24, 2008, Tsaghkadzor (Armenia) CHANGE OF DATE
- Codes over Rings
 CIMPA-UNESCO-TURKEY
 August 18-29, 2008, Ankara (Turkey)

AFRICA

 Mathematical and Computer oriented Methods for Landscape Modelling
 CIMPA-UNESCO-MADAGASCAR

http://www.cimpa-icpam.org/

MIDDLE EAST

 Arithmetic and Geometry around Hypergeometric Functions (School)
 CIMPA-UNESCO-TURKEY
 June 13-25, 2005, Istanbul (Turkey) <u>Details</u>

2005

- Gröbner Bases and Applications (School) CIMPA-UNESCO-IRAN July 9-22, 2005, Zanjan (Iran) <u>Details</u>
- Mathematical Modeling for financial Markets (School) CIMPA-UNESCO-JORDAN
 September 11-22, 2005, Irbid (Jordan) <u>Details</u>

MIDDLE EAST

 Theoretical and applied aspects of some PDEs coming from geometry or physics (School)
 CIMPA-UNESCO-Damascus University - Lebanese University

CIMPA-UNESCO-Damascus University - Lebanese University May 15-27, 2004, Damascus (Syria) Details

Algebraic Geometry and Arithmetic of Curves (School)
 CIMPA-UNESCO-LEBANON July 5-16, 2004, Beirut (Lebanon) <u>Details</u>

http://www.cimpa-icpam.org/

Previous CIMPA schools in Middle East



2007

MIDDLE EAST

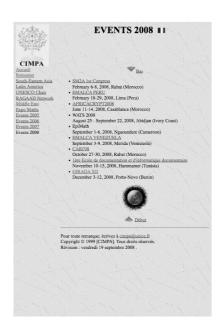
 Arrangements, local systems and Singularity theory (Schoo CIMPA-UNESCO-TURKEY June 11-22, 2007, Istanbul (Turkey). Details

2006

MIDDLE EAST

 Recent Topics in Geometric Analysis (School) CIMPA-UNESCO-IRAN May 20 - June 2, 2006, Teheran (Iran). <u>Details</u>

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2008

SM2A 1st Congress
 February 6-8, 2008, Rabat (Morocco)

 EMALCA PERU February 18-29, 2008, Lima (Peru)

AFRICACRYPT2008
 June 11-14, 2008, Casablanca (Morocco)

WATS 2008
 August 25 - September 22, 2008, Abidjan (Ivory Coast)

 EpiMath September 1-6, 2008, Ngaoundere (Cameroon)

 EMALCA VENEZUELA September 3-9, 2008, Merida (Venezuela)

<u>CARI'08</u>
 October 27-30, 2008, Rabat (Morocco)

- <u>1ère Ecole de documentation et d'informatique documentaire</u>
 November 10-15, 2008, Hammamet (Tunisia)
- GIRAGA XII
 December 3-12, 2008, Porto-Novo (Benin)

http://ma3n.org/

MA3N



Mathematical Analysis and Applications Arab Network

RAAMA

Réseau Arabe d'Analyse Mathématique & Applications

http://www.cimpa-icpam.org/ Anglais/Cooperations/Cooperations-e.html



Local activities supported by CIMPA

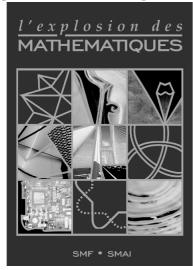
MIDDLE EAST:

MA3N (The Mathematical Analysis & Application Arab Network)
= RAAMA (Réseau Arabe d'Analyse Mathématique & Applications)

Iran



http://www.ims.ir/publications/em/ims_explosion_mathematiques.pdf



Farsi translation of the SMF/SMAI booklet 41

http://www.cimpa-icpam.org/Anglais/Cooperations/Iran-e.html

Missions

Michel Waldschmidt (August-September 2003)

Michel Jambu (November 2005) (in French)

Michel Jambu (May-June 2006) (in French), Rahim Zaare-Nahandi (Jan.-June 2006)

Otared Kavian (Dec. 2007-Jan. 2008) (in French)

Events

Commutative Algebra and Applications to Combinatorics and Algebraic Geometry, June 20-30, 2009, Tehran (Iran)

Representation Theory of Algebras, June 15-25, 2008, Tehran (Iran) Report M. Waldschmidt (in French)

Gröbner Bases and Applications, July 9-22, 2005, Zanjan (Iran)

http://www.cimpa-icpam.org/Anglais/Cooperations/Iran-e.html

Iran

Mathematical cooperation between Iran and France is very active and CIMPA plays an important role.

Persian version of "L'Explosion des Mathématiques"

The aim of this page is to gather all possible informations on this cooperation and we invite our interested colleagues to bring their contribution.

French-Iranian doctoral school project with extensions to european universities.

Letter of intent (April 2007).

"The project on Scientific Cooperation between Iranian and European Higher Education Institutions", Christian Duhamel

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http://www.math.jussieu.fr/~miw/

michel waldschmidt

agenda | about me | edition | enseignement | texts | contacts | cooperations Cooperation Asie - Asia Inde - India 2006: Each Cimic en Algèbre Commutative . IIT Bombey, 2 au 6 janvier 2008 (rapport en français) 2007: Fracch Science Tobic (resport en français) 2007: Asianique - South Essetran Asia 2008: Aust-mai, Massion au Cambodge et au Vietnam (rapport en français) 2007: Novembre, Massion au Cambodge (resport en français) 2007: Novembre, Massion au Vietnam pour Cambodge (resport en français) 2008: Massion au Cambodge (resport en français) 2009: Massion en français 21 au 25 jain (rapport en français) 2009: Massion en français 21 au 25 jain (rapport en français) 2009: Massion en français 21 au 25 jain (rapport en français) 2009: Massion en français 21 au 25 jain (rapport en français) 2009: Massion en français 21 au 25 jain (rapport en français) 2009: Massion en français 21 au 25 jain (rapport en français) 2009: Massion en français 21 au 25 jain (rapport en français) 2009: Massion en français 21 au 25 jain (rapport en français) 2009: Massion en français 21 au 25 jain (rapport en français) 2009: Massion en français 21 au 25 jain (rapport en français) 2009: Massion en français 21 au 25 jain (rapport en français) 2009: Massion en français 21 au 25 jain (rapport en français) 2009: Massion en français 21 au 25 jain (rapport en français) 2009: Massion en français 21 au 25 jain (rapport en frança

Moven-Orient - Middle East

2008: Mission en Iran du 21 au 25 juin (rapport en français)

2005: Mission en Iran du 8 au 23 juillet (rapport en français)

2003: Mission en Iran du 23 août au 6 septembre (rapport en français)

2003: Visit in Iran from August 23 to September 6 (report in english)
2003: Mission préparatoire à une demande de Mastère Régional de Math

au 18 septembre avec Michel Jambu (rapport en français)

2002: Mission en Iraq et en Syrie (rapport en français)

2000: Iraq, Mission CIMPA (rapport en français)

http://www.math.jussieu.fr/~miw/coopérations.html

Moyen-Orient - Middle East

2008: Mission en Iran du 21 au 25 juin (rapport en français)

2005: Mission en Iran du 8 au 23 juillet (rapport en français)

2003: Mission en Iran du 23 août au 6 septembre (rapport en français)

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au 18 septembre avec Michel Jambu (rapport en français)

2002: Mission en Iraq et en Syrie (rapport en français)

2000: Iraq, Mission CIMPA (rapport en français)

Rapport de mission IRAQ du 23 novembre au 4 décembre 2000

M. Jambu (Directeur du CIMPA)

G. Oppenheim (Université Paris 11)

D. Robert (Université de Nantes)

M. Waldschmidt (Université Paris 6)

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UNESCO

United Nations Educational, Scientific and Cultural Organization

http://portal.unesco.org/



http://www.unesco.fr/

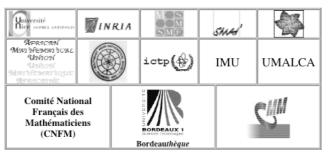


Supports





Scientific partnership



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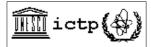
Other partnership





Although CIMPA is mainly supported by the French Ministry of Research, CIMPA conducts its scientific activities with a complete independence and does not represent the French scientific policy.

CIMPA is an international institution, with an International scientific committee.



http://www.ictp.trieste.it/

Abdu Salam Centre Trieste (Italia)

International Center for
Theoretical Physics (1964)



under IAEA (International Atomic Energy Agency)

17 Millions €/year (85% from Italian gouvernment)



« Associate members » from developing countries

http://www.emath.fr/

Société Mathématique de France





http://smf.emath.fr/

http://smai.emath.fr/





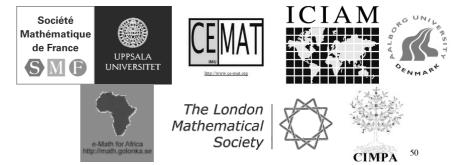




European http://www.emis.de/committees.html#dc Mathematical http://people.maths.ox.ac.uk/~tsou/ems/ Society

EMS CDC

European Mathematical Society Committee for developing countries



Le domaine « emath.fr »: ACM Annuaire CNU25 CNU26 MATEXO MathDoc Postes SMAI SMF Rubrique : Projet CIMPA-SMAI-SMF : Les : Envoi Projet CIMPA-SMAI-SMF - Les mathématiques dans le monde Le CIMPA, la SMAI et la SMF se sont associés pour mettre en place un outil collaboratif concernant les mathématiques dans le monde. Vous pouvez consulter les informations existantes en interrogeant la base de données. · Consulter la base de données Vous pouvez également contribuer en partageant les informations de toute nature dont vous disposez concernant les relations internationales dans le domaine des mathématiques : existence de reseaux, appels d'offre, projets de recherche, colloques, compte-rendus d'écoles ou d'échanges, description d'institutions que vous avez visitées... etc. · Saisir une nouvelle information Consulter la base de données Sélectionner une ou plusieurs rubriques, une zone géographique et éventuellement un pays, et valider votre requête. Vous pouvez également faire une recherche sur le contenu de la base de données. Rubrique: □ Documentation □ Francophonie □ Offres d'emploi Enseignement Institution Recherche Financement ☐ Manifestation ☐ Réseau



DSCG

Developing Countries Strategy Group http://users.ictp.it/~dcsg/

CDE

Commission on Development and Exchanges http://users.ictp.it/~cde/

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http://umalca.usach.cl/

AFRICAN
MATHEMATICAL
UNION
UNION
MATHEMATIQUE
AFRICAINE

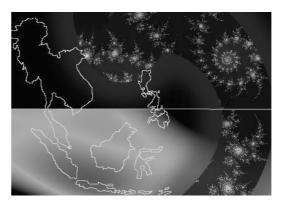
The African Mathematical Union (AMU) or Union Mathematique Africaine (UMA) is the African equivalent of the International Mathematical Union. The official webpage of the AMU is in preparation and will be operated from the Al Akhawayn University in Ifrane, Morocco (www.alakhawayn.ma). Until that time we operate this website.

http://www.math.buffalo.edu/mad/AMU/AMU-index.html

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SEAMS

South East Asian Mathematical Society



International Science Programme, ISP

University Uppsala (Sweden)
Faculty of Science and Technology



Born in 1961 3,8 Millions € / year Physic, Chemistry, then Maths.

Sida/SAREC.



http://www.isp.uu.se/

International Science Programme, ISP



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Africa

Burkina Faso, Cameroon, Ethiopia, Ghana, Kenya, Malawi, Mali, Mauritania, Nigeria, Senegal, Tanzania, Uganda, Zambia, Zimbabwe

Asia

Bangladesh, Cambodia, Laos, Sri Lanka (Thailand)

Latin America (Ecuador), Peru

http://www.isp.uu.se/

International Science Programme, ISP



Constitution of networks

North/South and South/South

Visits in developed countries of scientists from developing countries

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www.twas.org

Third World Academy of Sciences



promoting scientific excellence for sustainable development in the south

the academy of sciences for the developing world





The World Bank is an institution for development whose aim is to reduce poverty by increasing growth



International Bank for Reconstruction and Development (IBRD)

http://www.cimpa-icpam.org/ Anglais/Newsletters/ Newsletters.html

CIMPA NEWSLETTER N°12

Five CIMPA schools were held during the 2nd trimester of 2008:

- " Riemannian Geometry, pseudo-Riemannian Geometry and Mathematical Physics", Marrakech (Morocco), May 19 30. http://www.cimpa-icpam.org/Anglais/2008Prog/Morocco08.html
- " Mathematical models for water flows and water refining ", Tiemcen (Algeria), May 10 22. http://www.cimpa-icpam.org/Anglais/2008Prog/Algeria08.html
- "Real Analysis and its Applications", Cordoba (Argentina), May 26-June 6 http://www.cimpa-icpam.org/Anglais/2008Prog/Argentina08.html
- " Nonlinear analysis and Geometric PDE", Tsaghkadzor (Armenia), June 15-24
- http://www.cimpa-icpam.org/Anglais/2008Prog/Armenia08.html
- "Representation Theory of Algebras", Tehran (Iran), June 15-25 http://www.cimpa-icpam.org/Anglais/2008Prog/iran08-e.html

2) OTHER ACTIVITIES IN PARTNERSHIP WITH CIMPA

- SARIMA: http://www.irisa.fr/sarima/
- UNESCO Chair, Semester 6, Tunis (Tunisia) http://www.tn.refer.org/unesco/semestre6/semestre6-eng.html
- AFRICACRYPT2008. June. Casablanca (Morocco) http://www.africacrypt.org/index_fr.htm.
- CAMBODIA: Agreement between University of Nice and RUPP in order to support the master of

http://www.cimpa-icpam.org/Anglais/Cooperations/Cambodia.html

3) ACTIVITIES IN THE 3rd TRIMESTER OF 2008

Three CIMPA Schools will be held:

- " Resurgence, analytic difference-or-differential equations and foliations", Lima (Peru), July 14 25. http://www.cimpa-icpam.org/Anglais/2008Prog/Peru08.html
- " Codes over Rings", Ankara (Turkey), August 18 29. http://www.cimpa-icpam.org/Anglais/2008Prog/Turkey08.html
 " Mathematical and Computer oriented Methods for Landscape Modelling", Flanarantsoa (Madagascar), September 15-30 http://www.cimpa-icpam.org/Anglais/2008Prog/Madagascar08-e.html

Other activities in partnership with CIMPA

EMALCA VENEZUELA, Merida, September 3-9 http://evm.ivic.ve/xxi/

- PACOM 7th, organized by AMU from August 27-31, 2008 was canceled.
 Creation of the "Convergences Mathématiques" wobsite http://gconvergencesmathematiques.org/.
 IMPORTANT is Notice the new schedule of the following schools:
 CIMPA-UNESCO-ECYPT school to be held in 2009 from January 25 to February 4.
 CIMPA-UNESCO-MOROCCO school to be held in Morocco in 2009 from May 10 to May 23



UNIVERSITE BORDEAUX 1 Les Sciences et les Technologies au service de l'Homme et de l'Environnement

Bordeauxthèque

- Free help for documentation in Mathematics and Computer Science to Developing Countries
- Support from the University of Bordeaux I, CIMPA, Cellule MathDoc in Grenoble
- 15 requests per day on the average
- 1305 requests since it started

http://bordeauxtheque.math.u-bordeaux1.fr/





Erasmus Mundus Masters: an invitation to France and Europe



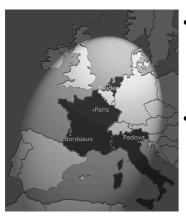






A master in Algebra, Geometry and Number Theory **ALGANT**

Mundus Masters: a quality offer in higher education



- The Bologna process: the European countries are working together to build a common higher education system
- To help this process the European Community has initiated the Erasmus Mundus Programme, whose first aim is to promote a quality offer in higher education

Mundus Master ALGANT: an invitation to higher mathematics

• In September 2004 the European Community has selected 19 master courses, among which only one in mathematics: the master in Algebra, Geometry and Number Theory, offered by the Universities of Bordeaux, Leiden, Padova and Paris.



Leiden

• ALGANT allows strong graduates to prepare a career in research (in academia (PhD) or in the many companies seeking the know-how taught)

Mundus Masters: an invitation to Europe

• With the Mundus programme the European Community also wants to encourage and enable highly qualified graduates and scholars from all over the world to obtain qualifications and/or experience in the European Union



Bordeaux

• Special funds have been reserved to enforce the programme (scholarships available)

Mundus Master ALGANT: how to enroll

• A good level in Mathematics (strong Bachelor in Mathematics) and in

English is required

• For more information please visit



Padoue

http://www.math.u-bordeaux1.fr/ALGANT



Centre International de Mathématiques Pures et Appliquées International Center of Pure and Applied Mathematics



http://www.cimpa-icpam.org/

CIMPA - ICPAM



Michel Waldschmidt

Université P. et M. Curie - Paris VI

October 7, 2008

http://www.math.jussieu.fr/~miw/