

Some international mathematical societies and institutes:

SMF, EMS, IMU, CIMPA, ICTP.

Michel Waldschmidt

Institut de Mathématiques de Jussieu — Paris VI

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

<http://smf.emath.fr/>
<http://www.euro-math-soc.eu/>
<http://www.mathunion.org/>
<http://cimpa.info/>
<http://www.ictp.it/>



SMF <http://smf.emath.fr/>

8/9/2015 Accueil | Société Mathématique de France

A la une

Prochaines sessions "Etats de la Recherche"
 "Suracousticité, superfluidité, vortex" du 26 au 28 octobre 2015 à l'IHP.
 "Aspects géométriques de la relativité générale" du 28 septembre au 01 octobre 2015 à Montpellier

Un lycée, un texte, un mathématicien.
 Un documentaire sur le cycle BnF/SMF "un texte, un mathématicien" réalisé par Animath à l'occasion du dixième anniversaire du cycle.

La nouvelle Gazette vient de paraître.
 Téléchargez le pdf.

Victoires des équipes françaises à l'International Tournament of Young Mathematicians (ITYM).
 En savoir plus - Résultats par pays.

Projet de décret sur le doctorat.
 La SMF et les sociétés savantes réagissent.

En bref.

- 04/07/15 - Décès de Daniel Kastler
- 26/06/15 - Résultats des élections au conseil de la SMF.
- 12/06/15 - Décès de Pierre Dolbeault
- 09/06/15 - Jean-Michel Morel reçoit la médaille de l'Innovation du CNRS. [En savoir plus.](#)
- 27/05/15 - Rapport sur l'impact des mathématiques dans l'économie et la société française.
- 15/05/15 - Rapport de réflexion sur les projets de programmes des cycles 2, 3 et 4 en mathématiques
- 16/04/15 - La vidéo de la conférence du 15/04/15 d'I. Gallagher : "Kolmogorov, le spectre de la turbulence" est disponible.

- [La Gazette de juillet](#)
- [Tribunes](#)
- [Textes émanant de la SMF](#)

Événements à venir

- [Fractals and Related Fields III](#)
 19/09/2015 - 25/09/2015
 Porquerolles
- ["Aspects géométriques de la relativité générale"](#)
 28/09/2015 - 01/10/2015
 Montpellier
- ["Dessins, nombres, Systèmes de Numération, Théorie Ergodique"](#)
 28/09/2015 - 29/09/2015
 Le Bourget du Lac
- [25ème anniversaire de la Société Mathématique Européenne](#)
 22/10/2015
 IHP, Paris, France
- ["Suracousticité, superfluidité, vortex"](#)
 26/10/2015 - 28/10/2015
 IHP, Paris, France
- [ICMHO Days 2015](#)
 27/10/2015 - 28/10/2015
 ENSTA ParisTech, Palaiseau
- [Prochain Séminaire Bourbaki](#)
 07/11/2015
 IHP, Paris
- [Une question, un chercheur - novembre 2015 - Claire Mathieu](#)
 09/11/2015 - 19:30 - 21:00
 Université Paris 7

Calendrier

SMF <http://smf.emath.fr/node/3134/>

15/9/2015 Au cœur des mathématiques : la Société Mathématique de France | Société Mathématique de France

AU CŒUR DES MATHÉMATIQUES : LA SOCIÉTÉ MATHÉMATIQUE DE FRANCE

Une société savante, fondée en 1872, reconnue d'utilité publique

2000 adhérents

- La SMF rassemble [enseignants, chercheurs](#), doctorants, ingénieurs, [amateurs](#) autour de la passion des mathématiques.
- Elle fait connaître les mathématiques dans leur diversité, accompagne leur évolution, encourage leur insertion dans la [société](#).
- La SMF s'intéresse aux mathématiques sous tous leurs aspects : enseignement à tous niveaux, avancées de la recherche, interactions avec les sciences et techniques.
- Elle est en relation avec les sociétés et institutions qui poursuivent les mêmes buts. Elle interagit avec beaucoup d'entre elles, que ce soit en France ou dans le [monde](#).
- La SMF partage avec le [CNRS](#) (Centre National de la Recherche Scientifique) la tutelle du [CIRM](#). Unité Mixte (UMS 822).
- Elle [publie](#) des mathématiques depuis sa création. Ses publications sont ouvertes à la communauté mathématique internationale.

[En savoir plus](#)

[Pourquoi adhérer ?](#)

[Adhérer](#)

<http://smf.emath.fr/node/3134/>

1/1



15/9/2015 Fonctionnement de la société - Instances | Société Mathématique de France

FONCTIONNEMENT DE LA SOCIÉTÉ - INSTANCES

Fondée en 1872, la Société Mathématique de France (SMF) est l'une des plus anciennes sociétés savantes pour les mathématiques dans le monde. [Association loi 1901](#), reconnue d'utilité publique, elle a pour but « l'avancement et la propagation des études de Mathématiques pures et appliquées ».

ouverte à tous les mathématiciens, amateurs ou professionnels, cette société est formée de membres individuels (personnes physiques) et de membres institutionnels (laboratoires de recherches, bibliothèques, institutions...).

Instances

- [Conseil d'administration](#)
- Bureau
- [Conseil scientifique](#)

En savoir plus sur les [instances](#).

La Gazette des mathématiciens

[Revue interne](#) de la Société, elle traite différents aspects de la vie scientifique, culturelle et organisationnelle des mathématiques.

Documents

- [Statuts](#)
- [Réglement intérieur](#)
- Documents administratifs
 - [Publication au Journal Officiel](#) (2 décembre 1998, format pdf, 204 Ko)
 - [Arrêté du Ministère](#) (19 novembre 1998, format pdf, 124 Ko)
- [Rapports moraux](#)

<http://smf.emath.fr/node/3140>

1/1



5 / 37

- Annales scientifiques de l'ENS
- Astérisque
- Bulletin de la SMF
- Mémoires de la SMF
- Panoramas et Synthèses
- Revue d'histoire des mathématiques
- Gazette des mathématiciens



6 / 37

- Astérisque
- Cours spécialisés
- Documents mathématiques
- Mémoires de la SMF
- Panoramas et Synthèses
- Séminaires et congrès
- SMF/AMS Texts and Monographs
- La Série T
- Fascicules des journées annuelles
- "Algorithmes" et "Eléments pour une histoire de l'informatique" par D. Knuth
- Réédition du Séminaire Bourbaki
- Réédition des œuvres scientifiques de Jean Leray
- Revue de l'Institut Elie Cartan



7 / 37



8/9/2015 European Mathematical Society
EMS CELEBRATES 25TH ANNIVERSARY AT INSTITUT HENRI POINCARÉ
INSTITUT HENRI POINCARÉ
Maison de la Recherche et de la Pédagogie
22 October 2015

The European Mathematical Society is a learned society representing mathematicians throughout Europe. It promotes the development of all aspects of mathematics in Europe, in particular mathematical research, relations of mathematics to society, relations to European institutions, and mathematical education. The EMS has as its members around 60 national mathematical societies in Europe, 40 mathematical research centres and departments, and 3000 individuals.

- [Governance](#)
- [Committees](#)
- [From the President](#)
- [Meetings of Presidents](#)
- [Agenda](#)

Join us

News

Welcome message from EMS president Pavel

<http://www.euro-math-soc.eu/>

Jobs posted

[Postdoc in Mathematics of Elliptic Integrable Systems](#)
Sweden



8 / 37

EMS CDC

<http://euro-math-soc.eu/EMS-CDC/donation.php>

8/9/2015 EMS-CDC The European Mathematical Society Committee for Developing Countries



The European Mathematical Society
Committee for Developing Countries

[Home](#) [About Us](#) [Members](#) [Activities](#) [Book Donation](#) [ERCE](#) [Reports](#)

We aim to send books and journals donated by mathematicians in the developed world to institutes and departments in the developing world. We have received quite a number of generous offers: from individuals who retire, from institutes/libraries getting rid of excess stock, from libraries going digital, and also from publishers' surplus. We continue to welcome such generosity.

On the other hand, we also have a list of recipients: those who have promised to make available to all local mathematicians freely the donated material, and to keep it in good condition. This list is ever expanding, and we welcome any such institutes to contact us for this purpose.

The shipping costs are high, but we are supported financially, on a case-by-case basis, by [ICTP](#), [American Mathematical Society](#), [London Mathematical Society](#), [Zentralblatt](#), [The Norwegian Programme for Development, Research and Education \(NUFU\)](#), and also our own very limited funds. We have moved tens of tonnes of books and journals, from Europe, USA and Canada, to Africa, South East Asia, and South and Central America.

URL of this website: <http://ems-cdc.org>
Last modified: 1 May 2015

EMS CDC <http://euro-math-soc.eu/EMS-CDC/erce.php>

8/9/2015 EMS-CDC The European Mathematical Society Committee for Developing Countries



The European Mathematical Society
Committee for Developing Countries

[Home](#) [About Us](#) [Members](#) [Activities](#) [Book Donation](#) [ERCE](#) [Reports](#)

Emerging Regional Centres of Excellence (ERCE)

The focus of this project is the education of students in the developed world to the Masters level. We aim to tailor our approach so that it is appropriate to the different levels of development that exist in different parts of the world. Our first call for interest went out in [2010](#), another followed in [2012](#), and the third has just gone out (see above).



To train mathematicians from the least developed regions to say the Masters level, it is not efficient, nor necessary, to send them to institutions of the highest level. Indeed among the emerging economical regions there are very good centres which can train mathematicians to the Masters level and higher. After the Master's degree, if the student is capable, then we can try to find ways of sending him or her to Europe to do a Ph.D. In fact, [EMS-CDC](#), in collaboration with [CIMPA](#), has already educated a Cambodian student in Vietnam to Masters level, with two more doing the course in 2010/2011.

It is in this spirit that our committee wishes to propose a scheme of **Emerging Regional Centres of Excellence (ERCE)**. The idea is for EMS to select, endorse and help a number of such centres to offer training to M.Sc. level to students from less developed countries in their region. Following the above encouraging example, provided there are institutions in the emerging economies who are interested in participating, and with the backing of the EMS, our committee is confident that such a scheme will work well.

http://euro-math-soc.eu/EMS-CDC/reports.php

1/1



13 / 37

114



14 / 37

EMS CDC <http://euro-math-soc.eu/EMS-CDC/reports.php>

update : 20/11/2015

8/9/2015 EMS-CDC The European Mathematical Society Committee for Developing Countries



The European Mathematical Society
Committee for Developing Countries

[Home](#) [About Us](#) [Members](#) [Activities](#) [Book Donation](#) [ERCE](#) [Reports](#)

2015

- 12.06.2015 Report by Michel Jambu on CIMPA activity in South East Asia.
- 10.06.2015 Report on the roundtable discussion at CDC AGM in Oslo. The report includes a presentation by Waderé Ogana, President IMU-CDC.
- 09.04.2015 Individual reports for CDC AGM, Oslo, Norway.
 - Leif Abrahamson (on ISP);
 - Giulia Di Nunno;
 - Herbert Fleischner;
 - Nick Gill;
 - Gert-Martin Greuel (for zbMath);
 - Andreas Griewank;
 - Michel Jambu;
 - Stefano Luzzatto;
 - Francesco Pappalardi;
 - Marie-Françoise Roy;
 - Joana Teles;
 - Tsou Sheung Tsun (presentation on CIMPA);
 - Bengt Ove Turesson;

http://euro-math-soc.eu/EMS-CDC/reports.php

1/5



15 / 37

European Mathematical Society Committee for Developing Countries



<http://euro-math-soc.eu/EMS-CDC/>

114



16 / 37

EMS CDC – presentation

The Committee for Developing Countries is a committee of the European Mathematical Society (EMS). It consists of about ten members and ten associate members, most of whom are engaged in development work in their capacity as heads of various such projects. We aim to assist developing countries in all possible ways.



<http://euro-math-soc.eu/EMS-CDC/>



We work alongside a number of organisations, including :



Members and Associate Members

Leif Abrahamsson (Uppsala)

Giulia di Nunno (Oslo)

Anna Fino (Torino)

Gert-Martin Greuel (Kaiserslautern)

Joana Teles (Coimbra)

Ramadas Ramakrishnan

Trivandrum (CMI)

Paul Vaderlind (Stockhom)

Fernando Rodriguez Villegas
(ICTP)

Begoña Vitoriano (Madrid)

Michel Waldschmidt (Paris)

Anders Wandahl (Stockholm)

Associates

Lars Dovling Andersen (Aalborg)

Claude Cibils (Montpellier/Nice)

Herbert Fleischner (Vienna)

Nick Gill (Costa Rica)

Andreas Griewank (Berlin)

Michel Jambu (Nice)

Fabrizio Luccio (Pisa)

Marie-Francoise Roy (Rennes)

Michel Thera (Limoges)

Tsou Sheung Tsun (Oxford)

EC liaison :

Alice Fialowski (Budapest)

Support provided by EMS CDC

- ▶ Support for Cambodian students to study in Vietnam, Philippines, India, Malaysia.



<http://euro-math-soc.eu/EMS-CDC/members.php>



- ▶ Support for a student from Indonesia to prepare a PhD in Pakistan.
- ▶ Support for students from Nepal to study in India, Malaysia.



- ▶ Contribution to *2nd African Women Mathematics workshop* of the African Mathematical Union held at AIMS (South Africa) in 2013 and to the Ibni Prize in 2014.



<http://euro-math-soc.eu/EMS-CDC/activities.php>



◀ □ ▶ ⏪ ⏩ ⏴ ⏵ ⏳ ⏷ ⏹ ⏸ ⏹ ⏸ ⏷ ⏴ ⏵ ⏳ ⏩ ⏪

21 / 37



<http://euro-math-soc.eu/EMS-CDC/activities.php>



◀ □ ▶ ⏪ ⏩ ⏴ ⏵ ⏳ ⏷ ⏹ ⏸ ⏹ ⏸ ⏷ ⏴ ⏵ ⏳ ⏩ ⏪

22 / 37

Electronic Documentation

We run workshops on electronic access in DCs and help to build up libraries.

e-Math for Africa

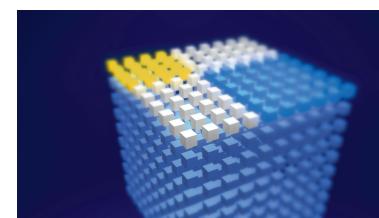
<http://math.golonka.org/>

Finding Online Information in Mathematics

<http://workshop.ems-cdc.org/doku.php>

Zentralblatt MATH (zbMATH)

Free access for institutions and individuals from DCs



zbMATH

the first resource for mathematics

zbmath.org

- The most comprehensive reviewing and abstracting service in mathematics
- Complete coverage of mathematical publications from 1868 to the present
- Over 3 million records from more than 3,000 current journals and serials, and more than 170,000 books



<http://euro-math-soc.eu/EMS-CDC/activities.php>



◀ □ ▶ ⏪ ⏩ ⏴ ⏵ ⏳ ⏷ ⏹ ⏸ ⏹ ⏸ ⏷ ⏴ ⏵ ⏳ ⏩ ⏪

23 / 37



<http://euro-math-soc.eu/EMS-CDC/activities.php>



◀ □ ▶ ⏪ ⏩ ⏴ ⏵ ⏳ ⏷ ⏹ ⏸ ⏹ ⏸ ⏷ ⏴ ⏵ ⏳ ⏩ ⏪

24 / 37

Book Donation Program

We have moved tens of tons of books and journals, from Europe, USA and Canada, to Africa, South East Asia, and South and Central America.



 <http://euro-math-soc.eu/EMS-CDC/donation.php> 

Emerging Regional Centres of Excellence (ERCE)

Among the emerging economical regions there are very good centres which can train mathematicians to the Masters level and higher.

EMS selects, endorses and helps a number of such centres to offer training to M.Sc. level to students from less developed countries in their region.

 <http://euro-math-soc.eu/EMS-CDC/erce.php> 

IMU <http://www.mathunion.org/>



International Mathematical Union (IMU) Home

8/9/2015

IMU > Home

General

- ▶ About
- ▶ Secretariat
- ▶ Prizes
- ▶ History
- ▶ News

Publications

- ▶ Circular Letters to Adhering Organizations
- ▶ Bulletins
- ▶ IMU-Net: Electronic Newsletter
- ▶ Reports and Recommendations
- ▶ Historic IMU/ICM Digital Material: Proceedings, Videos, Books, Media Platform

Members

- ▶ Member Countries
- ▶ Associate Members
- ▶ Affiliate Members
- ▶ Candidacy for Membership

Activities

- ▶ International Congress of Mathematicians (ICM)
- ▶ ICM related and other Grants
- ▶ ICM Satellites
- ▶ Mathematical Instruction (ICMI)
- ▶ Electronic Information and Communication (CEIC)
- ▶ Women in Mathematics (CWM)

Further Info

- ▶ Executive Committee
- ▶ General Assembly
- ▶ Status
- ▶ Committees / Commissions

Organization

- ▶ Mathematical Societies
- ▶ Links to the Mathematical World
- ▶ EWDM: World Directory of Mathematicians
- ▶ Friends of the International Mathematical Union (FIMU)
- ▶ The IMU Logo

Blogs on:

- M-HOCCS
- WDML
- Journals



<http://www.mathunion.org/>

1/2

 27 / 37

IMU CDC <http://www.mathunion.org/cdc/>



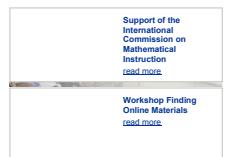
15/9/2015 CDC

CDC Supports Nepalese mathematicians
To help them make plans for support and regional projects after the earthquake that had hit Nepal recently.

Experiences



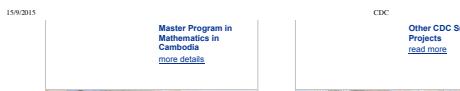
Education and Capacity Building



<http://www.mathunion.org/cdc/>

2/4

 28 / 37



Support of Local Initiatives

African Mathematics Millennium Science Initiative (AMMSI)
A network of mathematics centers in sub-Saharan Africa
[Read more here](#)

Monitoring African Research in Mathematics (MARM)
IMU/CDC assisted the London Mathematical Society in founding the MARM program.
[Read more here](#)

Research: Regional Studies

Mathematics in Africa: Challenges and Opportunities
Funded by the John Templeton Foundation, IMU released.
[This Report can be downloaded here](#)

Mathematics in Latin America and Asia: Challenges and Opportunities
The CDC is currently issuing reports on the state of mathematics in Latin America and Asia.
[Read more](#)

Library Assistance Scheme

For Donors
Are you interested in donating your scientific books (mathematics or related subjects) to a library in a developing country?
[Donate scientific books](#)

For Libraries
Are you interested in receiving donated scientific books (mathematics or related subjects)?
[Receive scientific books](#)

More Highlights and Opportunities

[ICTP Mathematics Fellowships](#)

[CIMPA programs supporting mathematics](#)

[Brochure about the International Mathematical Union \(IMU\)](#)

<http://www.mathunion.org/cdc/>



29 / 37



Actualités

Affiche 2016

Programme des écoles de recherche pour 2016

[Lire la suite](#)

Appel à projets pour Écoles de recherche CIMPA en 2017

Appel à projet pour Écoles de recherche CIMPA. Dépôts des projets à partir du 1er mars 2015

[Lire la suite](#)

Projet retenu pour l'enseignement au Master de mathématiques à l'Université Royale de Phnom Penh (URPP) au Cambodge en 2015-16, suite à l'appel à projets.

[Lire la suite](#)

À noter

[Info-lettre CIMPA n° 25](#)

[Prix Ramanujan 2015](#)

[Soutien ICIAM 2015](#)

[Bourses de Master en France](#)

[Etudes régionales de l'UMI](#)

[Abel Visiting Scholar Program](#)

[Action au Cambodge](#)

[Convention entre le CIMPA et l'INRIA](#)

Convention signée le 7 novembre 2011 à Rocquencourt

[Memorandum of understanding entre le CIMPA et l'AIMS](#)

Convention signée le 15 juin 2011 au Cap

[Convention entre le CIMPA et l'Académie Hassan II du Maroc](#)

Convention signée le 18 mai

<http://www.cimpa-ictpn.org/index.php>

1/2



30 / 37

CIMPA Research Schools

- Open call every year: proposals for two-week schools come from everywhere, some are encouraged by CIMPA members,
- the road-map is crucial, organization is local with help from CIMPA, using a North-South-South format.
- the Scientific Council evaluates and makes recommendations,
- the Steering Council selects around 20 research school projects.

The open call procedure is in accordance with a decision of the GA of CIMPA in June 2014 reinforcing our commitment and which we apply everywhere:

Each support by CIMPA will correspond to a selection carried out following an open call for projects.

CENTRE INTERNATIONAL DE MATHÉMATIQUES PURÉS ET APPLIQUÉES
INTERNATIONAL CENTRE FOR PURE AND APPLIED MATHEMATICS



30 / 37

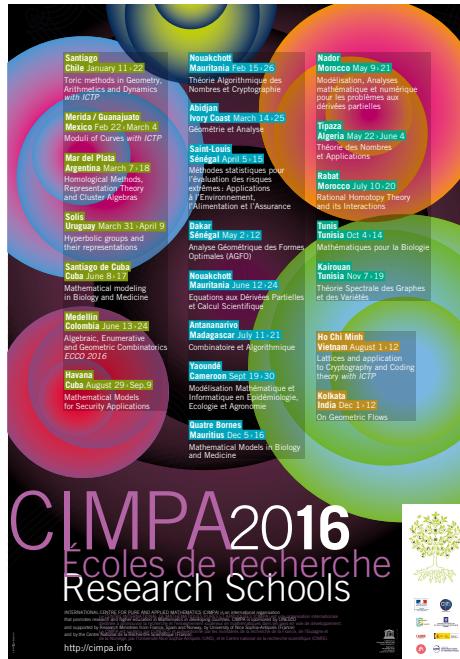
CIMPA Research Schools

- Young mathematicians from neighboring countries apply (CV, motivation and recommendation letters),
- The organizers and CIMPA makes a selection and several receive full CIMPA financial support (at least 2/3 of CIMPA total support is to this end),
- Lecturers and speakers are not paid. In most cases they use their own funding for travel,
- CIMPA helps through letters, discussions with organizers, explanation to authorities and/or fund raising.

CENTRE INTERNATIONAL DE MATHÉMATIQUES PURÉS ET APPLIQUÉES
INTERNATIONAL CENTRE FOR PURE AND APPLIED MATHEMATICS



30 / 37



30 / 37

EMALCAs, AMS, SEAMS and WAMS

SEAMS 2015 schools with the South East Asian Mathematical Society

- Hanoi – Vietnam, 01/03 – 15/03
- HCMC – Vietnam, 31/08 – 08/09
- Sanata Dharma, Yogyakarta, Indonesia, 07/09 – 15/09
- Makassar, South Sulawesi, Indonesia, 28/09 – 06/10
- Serdang, Selangor, Malaysia, 02/10 – 10/10
- Gadjah Mada, Yogyakarta, Indonesia, 09/11 – 17/11



CENTRE INTERNATIONAL DE MATHÉMATIQUES PURES ET APPLIQUÉES
INTERNATIONAL CENTRE FOR PURE AND APPLIED MATHEMATICS



31 / 37

Numbers

279 Research Schools since 1979

Countries by continent:

- Africa : 18
- Asia : 12
- Latin America and Caribbean : 13
- Middle East : 8

13500 young mathematicians

2500 speakers, 1100 from developing countries

CENTRE INTERNATIONAL DE MATHÉMATIQUES PURES ET APPLIQUÉES
INTERNATIONAL CENTRE FOR PURE AND APPLIED MATHEMATICS



30 / 37

CIMPA Research Schools in Pakistan

Année	Nom (clic pour afficher la page de l'école)	Pays	Région	Type école	Thème
2007	Espaces de configurations et applications	PAKISTAN	Asie	E	55 **
2008	Géométrie discrète et algorithme.	PAKISTAN	Asie		**
2009	Aspects combinatoires et calculatoires de l'algèbre commutative.	PAKISTAN	Asie	E	13 **
2012	Local Analytic Geometry	PAKISTAN	Asie	E	32 **
2014	Dynamical Systems and Applications : Geometrical, Topological, and Numerical Aspects	PAKISTAN	Asie	MI	37 **

N.B. The participation of CIMPA to the school in 2008 was cancelled for security reasons.
The research school in 2014 was cancelled.



31 / 37

Founded in 1964 by the late Nobel Laureate Abdus Salam, ICTP seeks to accomplish its mandate by providing scientists from developing countries with the continuing education and skills that they need to enjoy long and productive careers.

ICTP has been a major force in stemming the scientific brain drain from the developing world.

Center of category 1 of UNESCO



ICTP - Governance

ICTP's strategic advisors

- Italian Government
- International Atomic Energy Agency (IAEA)
- United Nations Educational, Scientific and Cultural Organization (UNESCO)
- Since 1996, UNESCO responsible for the administrative management of the Centre
- ICTP Steering Committee (3 members)
- ICTP Scientific Council (18 members)



ICTP - Mission

An institute run by scientists for scientists

ICTP's mission is to :

- Foster the growth of advanced studies and research in physical and mathematical sciences, especially in support of excellence in developing countries.
- Develop high-level scientific programmes keeping in mind the needs of developing countries, and provide an international forum of scientific contact for scientists from all countries.
- Conduct research at the highest international standards and maintain a conducive environment of scientific inquiry for the entire ICTP community.



ICTP - Programs

- ICTP Postgraduate Diploma Programme (1 year)
- ICTP/IAEA Sandwich Training Education Programme (Phd Fellowships)
- Joint ICTP/SISSA PhD Programme in Physics and Mathematics

ICTP - Research



- HECAP High Energy, Cosmology and Astroparticle Phys
- CMSP Condensed Matter and Statistical Physics
- MATH Mathematics
- ESP Earth System Physics
- AP Applied Physics
- QLS Quantitative Life Sciences

ICTP - Opportunities

- Associates Scheme
- Federation Scheme
- OFID Postgraduate Fellowship
- The Kuwait Programme at ICTP

