

15/09/2015

Meeting of the Mathematical Society of Mongolia CIMPA, SMF, EMS and IMU

Michel Waldschmidt

Institut de Mathématiques de Jussieu — Paris VI

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

Websites : CIMPA, SMF, EMS and IMU

<http://cimpa.info/>

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

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

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

Centre International de Mathématiques Pures et Appliquées

Langues du site [fr] français

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

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 PURES ET APPLIQUÉES
INTERNATIONAL CENTRE FOR PURE AND APPLIED MATHEMATICS



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 PURES ET APPLIQUÉES
INTERNATIONAL CENTRE FOR PURE AND APPLIED MATHEMATICS



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



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



A la une

Prochaines sessions "Etats de la Recherche"

"[Supraconductivité, 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](#)
 - 01/06/15 - 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 - [Éléments 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](#)
 - [L'Officiel des mathématiques](#)
 - [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
- [Théorie des Nombres, Systèmes de Numération, Théorie Ergodique](#)
28/09/2015 - 29/09/2015
Le Bourget du lac
- [75ième anniversaire de la Société Mathématique Européenne](#)
22/10/2015
IHP, Paris, France
- ["Supraconductivité, superfluidité, vortex"](#)
26/10/2015 - 28/10/2015
IHP, Paris
- [PGMO 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](#)

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 [C.N.R.S.](#) (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](#)

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 mathématiciens.

Documents

- [Statuts](#)
- [Règlement 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](#)

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

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

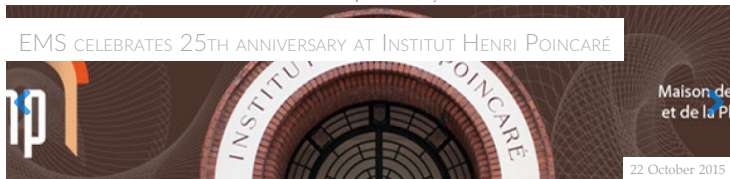
Réédition du Séminaire Bourbaki

Réédition des œuvres scientifiques de Jean Leray

Revue de l'Institut Elie Cartan

8/9/2015

European Mathematical Society



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.

Join us

News

[Welcome message from EMS president Pavel](#)

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

[Governance](#)

[Committees](#)

[From the President](#)

[Meetings of Presidents](#)

[Agenda](#)

Jobs posted

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

1/3



The European Mathematical Society Committee for Developing Countries

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

The latest news from the EMS-CDC...

Roundtable report

June 2015

At the EMS AGM in Oslo in April, we held a roundtable discussion on *Strategies for developing mathematical research in less developed countries*. The discussion started with a presentation by Wandera Ogana, President of the IMU CDC. A report of the discussion can now be found [here](#).

zbMATH info for developing countries

May 2015

We've set up a new page setting out all the information on how people in developing countries can access the reviewing service zbMATH. You can see it [here](#).

AuthorAID Online Course in Research Writing and Proposal Writing

May 2015

The international research community AuthorAID have announced [an upcoming online course in research writing and proposal writing](#).

Main topics covered in the course: (1) Writing research papers for publication in peer-reviewed journals, (2) Writing grant proposals to seek funding for research.

Who the course is for: Researchers living and working in eligible developing countries. Early



The European Mathematical Society Committee for Developing Countries

[Home](#)

[About Us](#)

[Members](#)

[Activities](#)

[Book Donation](#)

[ERCE](#)

[Reports](#)

The Committee for Developing Countries is a committee of the [European Mathematical Society \(EMS\)](#); its terms of reference can be found [here](#). Click on the links above to find out about our activities, or browse the following resources which were used at ICM2014 to describe our work: [presentation](#) | [poster](#) | [leaflet](#). To contact the CDC, please email one of our [members](#).

We work alongside a number of organisations, including :





The European Mathematical Society Committee for Developing Countries

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

All email addresses have form e-name@domain

Members

Name

[Leif Abrahamsson](#) (Uppsala)

Vice-chair: [Giulia di Nunno](#) (Oslo)

[Anna Fino](#) (Torino)

[Gert-Martin Greuel](#) (Kaiserslautern)

[Joana Teles](#) (Coimbra)

[Ramadas Ramakrishnan Trivandrum](#)

[Paul Vaderlind](#) (Stockholm)

[Fernando Rodriguez Villegas](#) (ICTP)

[Begoña Vitoriano](#) (Madrid)

Chair: [Michel Waldschmidt](#) (Paris)

E-name

leifab

giulian

annamaria.fino

greuel

jteles

ramadas

paul

villegas

bvitoriano

miw

Domain

math.uu.se

math.uio.no

unito.it

zentralblatt-math.org

mat.uc.pt

ictp.it

math.su.se

ictp.it

mat.ucm.es

math.jussieu.fr

EC liaison



The European Mathematical Society Committee for Developing Countries

[Home](#)

[About Us](#)

[Members](#)

[Activities](#)

[Book Donation](#)

[ERCE](#)

[Reports](#)

Aims and Objectives

We aim to assist developing countries in all possible ways. Some examples:

- the development of mathematics curricula;
- cooperation with local staff in conducting M.Sc. and Ph.D. programs;
- helping to build up libraries;
- helping to build up regional centres and networks;
- providing information about further studies for students from developing regions;
- sourcing funds for junior and senior researchers to attend conferences.

Our activities (past, present and future)

We started work in earnest in 2002. Since then we have expanded our aims and been involved in a number of projects.

- **Agreement with zbMATH:** free access for Developing Countries. Details of this scheme are [here](#).
- **Book donation scheme:** More details are [here](#). New donors and recipients are always welcome. We have already moved tens of tonnes of books and journals, from Europe, USA, Canada, to Africa, South East Asia, and South and Central America.
- **Funding conferences:** Decisions to support a conference are taken once a year, during our annual meeting in April. We have funded participants to ICM06 in Madrid, a speaker to Mongolia, part of a [CIMPA](#) school, part of the [2nd African Women Mathematics workshop](#), and so on.



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



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.



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 Wandera 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 Luzzato](#);
 - [Francesco Pappalardi](#);
 - [Marie-Françoise Roy](#);
 - [Joana Teles](#);
 - [Tsou Sheung Tsun](#) (presentation on CIMPA);
 - [Bengt Ove Turesson](#);

European Mathematical Society Committee for Developing Countries



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

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/activities.php>



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



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



- ▶ 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>



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>



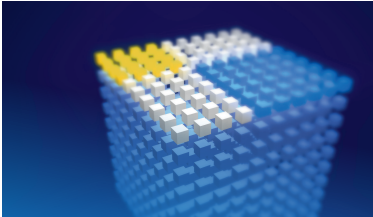
<http://euro-math-soc.eu/EMS-CDC/activities.php>




Zentralblatt MATH (zbMATH)

Free access for institutions
and individuals from DCs

(email to : `editor@
zentralblatt-math.org`).







zbMATH 

the first resource for mathematics

- 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

zbmath.org



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



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.



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>





International Mathematical Union (IMU)

IMU > Home

[Home](#) | [Contact](#) | [Search](#) | [Media Platform](#) | [Sitemap](#)

Home

General

Members

Organization

Publications

Activities

Further Info

Internal

Blogs on:

M-HOOCs

WDML

Journals



General

- ▶ [About](#)
- ▶ [Secretariat](#)
- ▶ [Prizes](#)
- ▶ [History](#)
- ▶ [News](#)

Members

- ▶ [Member Countries](#)
- ▶ [Associate Members](#)
- ▶ [Affiliate Members](#)
- ▶ [Candidacy for Membership](#)

Organization

- ▶ [Executive Committee](#)
- ▶ [General Assembly](#)
- ▶ [Statutes](#)
- ▶ [Committees / Commissions](#)

Publications

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

Activities

- ▶ [International Congress of Mathematicians \(ICM\)](#)
- ▶ [ICM related and other Grants](#)
- ▶ [Developing Countries \(CDC\)](#)
- ▶ [Mathematical Instruction \(ICMI\)](#)
- ▶ [Electronic Information and Communication \(CEIC\)](#)
- ▶ [Women in Mathematics \(CWM\)](#)

Further Info

- ▶ [Mathematical Societies](#)
- ▶ [Links to the Mathematical World](#)
- ▶ [Electronic World Directory of Mathematicians \(EWDMM\)](#)
- ▶ [Friends of the International Mathematical Union \(FIMU\)](#)
- ▶ [The IMU Logo](#)

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



Volunteer Lecturer Program

Current and Past Projects

Education and Capacity Building

Support of the
International
Commission on
Mathematical
Instruction
[read more](#)

Workshop Finding
Online Materials
[read more](#)

15/9/2015

**Master Program in
Mathematics in
Cambodia**
[more details](#)

CDC

**Other CDC Supported
Projects**
[read more](#)

Support of Local Initiatives

**African Mathematics Millenium Science Initiative
(AMMSI)**

A network of mathematics centers in sub-Saharan Africa.

[Read more here](#)



**Mentoring African Research in Mathematics
(MARM)**

IMU/CDC assisted the London Mathematical Society in founding the MARM program.

[Read more here](#)

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](#)

Research: Regional Studies

Mathematics in Africa: Challenges and Opportunites

Funded by the John Templeton Foundation, IMU released

[This Report can be downloaded here](#)

Mathematics in Latin America and Asia: Challenges and Opportunites

The CDC is currently issuing reports on the state of mathematics in Latin America and Asia.

[Read more](#)

More Highlights and Opportunities

[ICTP Mathematics Fellowships](#)

[CIMPA programs supporting mathematics](#)

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