






Dear Professors Mori and Helge,

I am writing on behalf of the Executive Committee of the Mathematical Council of the Americas (McofA), to apply for affiliate membership of the International Mathematical Union.






As you surely know, the MCoFA is a network for professional mathematical societies and research institutes based in the Americas, dedicated to promoting the development of Mathematics, in all its aspects, throughout the continent. Indeed, the Council's aims are to highlight the excellence of mathematical achievements in the Americas within the context of the international arena and to foster the scientific integration of all mathematical communities in the continent. As a continental collaborative effort, it gives special attention to cooperating with the Mathematical Union for Latin America and the Caribbean (UMALCA).

The MCoFA currently has 32 members, classified in the following four different groups:
















LARGE SOCIETIES (voting members, 3 representatives)

-  AMS - American Mathematical Society
-  CMS/SMC - Canadian Mathematical Society/Société mathématique du Canada
-  MAA - Mathematical Association of America
-  SBM - Sociedade Brasileira de Matemática
-  SIAM - Society for Industrial and Applied Mathematics








SMALL SOCIETIES (voting members, 1 representative)

-  SBMAC - Sociedade Brasileira de Matemática Aplicada e Computacional
-  SoMaChi - Sociedad Matemática de Chile
-  SCM - Sociedad Colombiana de Matemáticas
-  SMM - Sociedad Matemática Mexicana
-  UMA - Unión Matemática Argentina

INSTITUTIONAL MEMBERS (non-voting members, 1 representative)

-  AMIC - Argentinian Mathematical Institutes Consortium
-  CAMS - Centre for Applied Mathematical Sciences
-  CRM - Centre de Recherches Mathématiques
-  CIMAT - Centro de Investigación en Matemáticas
-  CMM - Centro de Modelamiento Matemático
-  Fields - Fields Institute
-  IAS - Institute for Advanced Study
-  ICERM - Institute for Computational and Experimental Research in Mathematics
-  IMA - Institute for Mathematics and its Applications
-  IMPA - Instituto Nacional de Matemática Pura e Aplicada
-  IPAM - Institute for Pure and Applied Mathematics
-  IM-UNAM - Instituto de Matemáticas - Universidad Nacional Autónoma de México
-  MBI - Mathematical Biosciences Institute
-  MSRI - Mathematical Sciences Research Institute
-  PIMS - Pacific Institute for the Mathematical Sciences

ASSOCIATE MEMBERS (non-voting members, 1 representative)

-  AMC - Asociación Matemática de Costa Rica
-  AMV - Asociación Matemática Venezolana
-  SoBolMat - Sociedad Boliviana de Matemática
-  SCMC - Sociedad Cubana de Matemática y Computación
-  SEdeM - Sociedad Ecuatoriana de Matemática
-  SMP - Sociedad Matemática Paraguaya
-  SoMaPe - Sociedad Matemática Peruana

The origin of the MCoFA can be traced back to meetings held in New Orleans, USA on January 6, 2011 and in Rio de Janeiro, Brazil on May 16-17, 2011 where representatives of most major institutions and national mathematical societies discussed the convenience of organizing a

quadrennial Mathematical Council of the Americas (MCA). The second of these meetings formally approved the bid by the CIMAT – Centro de Investigación en Matemáticas to organize the first MCA in Guanajuato, Mexico in 2013.

MCA 2013 (www.mca2013.org) was indeed held in Guanajuato, on August 3 – 9, 2013. The plenary speakers were James Arthur (Toronto, Canada), Artur Avila (IMPA, Brazil), Manjul Bhargava (Princeton, USA), Luis Caffarelli (Texas, USA) and Ingrid Daubechies (Duke, USA). There were also 21 invited speakers, from Argentina, Brazil, Canada, Chile, Mexico, Uruguay and the USA, as well as 54 special sessions on various subjects. With over 1,000 participants from all over the Americas, and other continents, the Congress was widely considered a huge success.

The creation of the MCoFA, and a set of guidelines for the way the network would operate, were approved at a meeting held at the MCA 2013 venue on August 2, 2013. The business of the Council is handled by the Executive Committee, whose 5 members are elected for staggered 4 year terms, and also include the organizer of the following MCA. Currently, they are: Susan Friedlander (USC, USA) – Chair, Jacques Hurtubise (McGill, Canada), José Antonio de la Peña (UNAM, Mexico), Andrea Solotar (Buenos Aires, Argentina) and Marcelo Viana (IMPA, Brazil). The Council itself meets regularly every 4 years, on the occasion of the Congress, although decisions may be taken by e-mail in the interim period. The website (www.mcofamericas.org) is managed by the CIMAT and the office of the treasurer sits at IMPA, in Rio de Janeiro.

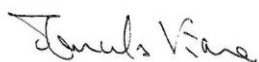
MCA 2017 (www.mca2017.org) was organized by the Canadian Mathematical Society in Montréal, on July 24 – 27, 2017 and was just as successful as its predecessor. The plenary speakers were Shafira Goldwasser (MIT, USA), Manuel del Pino (Santiago, Chile), Andrew Granville (Montréal, Canada), Peter Ozsvath (Princeton, USA) and Yuval Peres (Microsoft, USA). There were 20 invited lectures, by mathematicians from Argentina, Brazil, Canada, Chile, Colombia, Mexico, France, and the USA, and a remarkable 72 special sessions, on a wide range of topics.

The second Council meeting took place in Montréal on July 23, 2017 and resulted in a number of significant decisions. For one thing, the Executive Committee was asked to look at the ways to enhance the collaboration with UMALCA, for instance by providing support for the EMALCAs – Escuelas Matemáticas de América Latina y el Caribe, which are regularly and very successfully organized in the least developing countries and regions in the continent. Other possible initiatives of the McoFA were discussed as well.

The Council also decided that the third MCA will be held in Buenos Aires, Argentina in 2021, under the auspices of the Unión Matemática Argentina. Finally, the Executive Committee was mandated to prepare and submit the present application for affiliate membership of the International Mathematical Union.

We are at your disposal for any additional information you may require.

Very best wishes,



Marcelo Viana