

# Memorandum of Understanding

**Between the Mathematical Union of Latin America and the Caribbean (UMALCA) and the Hosting Institutes of the China–Latin America Mathematics Center (CLAMC)**

## 1. Introduction and Foundation of Partnership

This Memorandum of Understanding (MOU) establishes the framework for a close, structured, and forward-looking partnership between the Mathematical Union of Latin America and the Caribbean (UMALCA) and the Hosting Institutes of the China–Latin America Mathematics Center (CLAMC) including the Beijing Institute of Mathematical Sciences and Applications (**BIMSA**), the Shanghai Institute of Mathematics and Interdisciplinary Sciences (**SIMIS**), and the Hetao Institute of Mathematics and Interdisciplinary Sciences (**HIMIS**). CLAMC recognizes UMALCA as a key institutional actor central to the successful development, consolidation, and long-term sustainability of this initiative.

UMALCA has received the proposal for the establishment of CLAMC with unreserved enthusiasm and profound professional interest. This initiative is viewed as a critical strategic component for accelerating education, fostering high-impact scientific cooperation, and driving advanced talent development across the Global South. The collaboration represents a unique and strategic opportunity to strengthen enduring scientific cooperation between China and the mathematical community of Latin America and the Caribbean. Both parties agree that collaboration in advanced education and scientific research is the most potent mechanism and significant driver for advancing development and fostering deep mutual understanding between their diverse communities.

## 2. Alignment of Mission and Strategic Focus

UMALCA, as the primary institutional body dedicated to promoting the development and integration of mathematical sciences in its region, views the CLAMC's objectives as entirely aligned with its mission. Strengthening international academic ties is fundamentally necessary for achieving sustainable progress.

The partnership will focus on promoting excellence, mobility, and sustainable growth in mathematical research and education, with a particular emphasis on areas of **Applied Mathematics and the interface with Artificial Intelligence (AI)**. The Center will actively foster joint research programs, specialized workshops, and student mobility in these critical fields, given the accelerating global demand for mathematical expertise in data-driven

innovation. A comprehensive plan will be established for training junior and senior personnel in Mathematics and AI from schools, universities, and industry sectors across the region.

### **3. Mutual Roles and Institutional Responsibilities**

The successful execution of the CLAMC mandate requires defined strategic roles for both parties:

#### **A. Role and Commitment of UMALCA:**

UMALCA has historically played, and will continue to play, a fundamental role in articulating, representing, and strengthening the mathematical community of Latin America and the Caribbean. UMALCA commits to leveraging its network to actively encourage universities and companies within the region to engage fully in this cooperation. Within the CLAMC framework, UMALCA shall assume a strategic and proactive position:

1. **Selection of Partner Centers:** UMALCA will contribute to the identification and selection of leading mathematical centers in the region to participate in CLAMC. This process will be guided by criteria of academic excellence, regional diversity, and the potential for long-term, high-impact collaboration.
2. **Scientific Advisory Committee (SAC):** UMALCA's active involvement in the selection of Latin American members of the SAC is highly valued. Through its extensive institutional experience and network, UMALCA will help identify outstanding scientists and academic leaders capable of contributing to the Center's scientific vision, governance structure, and strategic planning.

#### **B. Commitment of CLAMC Hosting Institutes (China):**

CLAMC highly commends and deeply appreciates the plan to establish training programs for personnel in Mathematics and AI. China intends to fund related expenses, including travel costs, for these programs, removing major barriers to participation. Furthermore, China will fund the majority of the costs for annual conferences hosted in China, and will cover the travel expenses for delegates from China when the annual conference is hosted within the UMALCA region.

### **4. Annual International Mathematics Event**

CLAMC and UMALCA jointly commit to the organization of **one major international mathematics event/conference per year** for researchers and students.

This essential event will utilize a crucial **rotating model**:



- In one year, the event will be held in **Latin America and coordinated by UMALCA**.
- In the subsequent year, it will take place in **China and be coordinated by CLAMC**.

This alternating structure and financial commitment are designed to foster sustained scientific exchange, strengthen researcher and student mobility, and provide essential, geographically accessible platforms for scientific exchange and networking.

## 5. Conclusion

Through this close partnership, the China–Latin America Mathematics Center reaffirms its commitment to working side by side with UMALCA in building a vibrant, inclusive, and globally connected mathematical ecosystem linking China, Latin America, and the Caribbean. UMALCA extends its full institutional support for the leadership in actualizing the CLAMC's mandate, confident that the CLAMC will serve as an enduring, powerful institutional nexus for strengthening the academic and scientific partnership.

## Signatures

For UMALCA	For the CLAMC Hosting Institutes
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