

# Minutes of ICMS 2024 Business Meeting

Durham University

July 23, 2024

Recorded by Jonathan D. Hauenstein, Secretary of ICMS

## SUMMARY

The “International Congress of Mathematical Software” (ICMS) is a community of researchers and practitioners centered around “mathematical software” as a **scientific activity**. This community has organized eight conferences:

- (1) ICMS 2002: Chinese Academy of Sciences (Location: Beijing, China)
- (2) ICMS 2006: University of Cantabria (Location: Castro Urdiales, Spain)
- (3) ICMS 2010: Kobe University (Location: Kobe, Japan)
- (4) ICMS 2014: Hanyang University (Location: Seoul, Korea)
- (5) ICMS 2016: Zuse Institute Berlin (Location: Berlin, Germany)
- (6) ICMS 2018: University of Notre Dame (Location: South Bend, Indiana, USA)
- (7) ICMS 2020: TU Braunschweig/Online (Location: Braunschweig, Germany/Online)
- (8) ICMS 2024: Durham University (Location: Durham, England, UK)

The business meeting for ICMS 2024, led by Michael Joswig, had 3 main topics:

- Section 1: Review of ICMS 2024
- Section 2: Discussion about ICMS 2026
- Section 3: Other topics

### 1. REVIEW OF ICMS 2020

Alicia Dickenstein, General Chair for ICMS 2024, and Yue Ren, Local Chair for ICMS 2024, provided information about ICMS 2024. Some highlights include

- 130 registered participants (plus additional local support)
- 115 talks
- 13 topical sessions
- 3 plenary speakers

Volume 14749 of Springer Lecture Notes in Compute Science (LNCS) contains the proceedings of ICMS 2024 consisting of 37 papers. It was noted that there was difficulty in finalizing the proceedings so future ICMS iterations should plan to allow more time for publishing the proceedings. Additionally, this year was remarked as the most challenging from an author’s perspective due to a system that was still being built.

Yue Ren described the finances for ICMS 2024. Approximately 40% of the registered participants utilized the reduced registration fee, which is a sign of interest in ICMS amongst junior participants. It is anticipated that there will be a small deficit that is expected to be covered by a grant. A big thank you to everyone who made ICMS 2024 a success!

## 2. ICMS 2024

With ICM 2026 in Philadelphia, potential locations in eastern part of the US and Canada were discussed. It is not uncommon for the location of the next ICMS to not be known at the time of the current ICMS. Since it could be advantageous to have bids ahead of time, the ICMS Advisory Board will consider soliciting bids in advance for future ICMS meetings. The tradition of ICMS is relatively low registration fees, many parallel sessions, and almost every participant is a speaker.

Anton Leykin investigated hosting ICERM at Brown (Providence, RI). One item of discussion was that ICERM could only accommodate  $\sim 100$  participants in a single room, i.e., no parallel sessions, so this would drastically alter the format of ICMS. Poster sessions could allow for more participants to share their research so additional locations need to be considered.

Alicia Dickenstein suggested hosting ICMS 2026 in Chicago. Further investigation into the feasibility of Chicago as well as other potential locations is warranted. Ultimately, the ICMS Advisory Board will make a decision in the near future.

## 3. OTHER TOPICS

Three other topics were discussed:

- Difficulties associated with creating the proceedings were discussed. The ICMS Advisory Board will consider alternative outlets for the proceedings, especially those that align with ICMS interest in mathematical software and low cost for open access.
- It was recommended to add guidelines to the website regarding the organization of the conference and the role of session organizers. The ICMS Advisory Board and ICMS Secretary will work to develop some guidelines.
- It was recommended to include guidelines for speakers as well to emphasize the development and/or usage of mathematical software in their talks. Both the development of mathematical software and novel uses of existing mathematical software are important aspects of ICMS.

A hearty congratulations to General Chair Alicia Dickenstein, Local Chair Yue Ren, and Co-Chairs Kevin Buzzard, Bettina Eick, and Anton Leykin for their work in putting together a successful ICMS 2024!