

Minutes of ICMS 2020 Business Meeting

TU Braunschweig/Online

July 14, 2020

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 seven 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)

ICMS 2020 has approximately 197 participants, which makes it the most attended ICMS in history, from many countries with diverse research areas.

The business meeting for ICMS 2020, led by James Davenport, had 3 main topics:

- Section 1: Review of ICMS 2020
- Section 2: Discussion about ICMS 2022
- Section 3: Other topics

1. REVIEW OF ICMS 2020

Michael Joswig, General Chair for ICMS 2020, and Timo de Wolff, Local Chair for ICMS 2020, provided information about ICMS 2020. Some highlights include

- 197 participants
- ≈ 140 talks
- 14 topical sessions
- 3 plenary speakers
- 5 software demonstrations

ICMS 2020 adopted the addition of software demonstrations following a suggestion at ICMS 2018. Feedback regarding the software demonstrations is requested.

Volume 12097 of Springer Lecture Notes in Computer Science (LNCS) contains the proceedings of ICMS 2020 consisting of 48 papers. Springer is currently offering this proceedings to be freely downloaded during the conference.

The current server hosting the videos and slides for the talks will be shut down after ICMS 2020. One option for maintaining access to the videos and slides is to include them in a digital library. The German National Library of Science and Technology (Leibniz TIB) contacted Michael Joswig but currently there is little details about how this would work. Michael Joswig will investigate.

Timo de Wolff described the finances for ICMS 2020. Since the conference has been moved online, many anticipated expenses (e.g., travel for plenary speakers) have disappeared. It is anticipated that the registration fees will cover the conference costs with a potential surplus if costs associated with the proceedings as well as canceled room rentals can be renegotiated. Any surplus will be used for ICMS 2022.

2. ICMS 2022

Although there is much uncertainty regarding what will be possible in 2 years, it is never too early to think about possible options. With ICM 2022 in Saint Petersburg, Russia, potential co-location of ICMS was discussed. Since no suitable option is currently available, potential locations for ICMS 2022 will be expanded.

Yue Ren proposed to hold ICMS 2022 at Swansea University in Swansea, Wales, UK. The recently-opened Computational Foundry Building at Swansea could provide the necessary rooms and there is a possibility for accommodations being on-campus. The ICMS Advisory Board will review this bid and make a decision in the near future.

3. OTHER TOPICS

Three other topics were discussed:

- On behalf of Hoon Hong: The Journal of Symbolic Computation, which is interested in receiving papers connecting with aspects related to ICMS, has elected a new editor-in-chief: Josef Schicho from RISC in Linz, Austria. JSC is interested in receiving relevant papers.
- ICMS 2020 has pioneered an online conference format. Since many things were learned in this process, one suggestion was to put together a “lessons learned” document to help others host virtual conferences.
- Since ICMS 2020 had the most participants with its virtual format, there was a comment about hosting other parts of future ICMS meetings virtually to facilitate attendance for those unable to travel to the conference location.

A hearty congratulations to Michael Joswig and Timo de Wolff for their work in putting together a successful ICMS 2020!