

International Commission for the History of Mathematics (ICHM)

Report IUHPS-DHST 2018

1. Commission organisation

a. Please list officers and members of governing body, and briefly describe governance procedures (e.g. frequency of business meetings).

The Executive Committee of the ICHM consists of the following members:

Chair

June Barrow-Green (School of Mathematics, Faculty of STEM, Open University, Milton Keynes, UK) June.Barrow-Green@open.ac.uk

Vice-chair

Niccolò Guicciardini (University of Bergamo, Italy) niccolo.guicciardini@fastwebnet.it

Secretary

Sloan Despeaux (Western Carolina University, USA) despeaux@email.wcu.edu

Treasurer

Henrik Kragh Sørensen (University of Copenhagen, Denmark) henrik.kragh@ind.ku.dk

Members-at-Large

Thomas Archibald (Canada) tarchi@sfu.ca

Abdelmalek Bouzari (Algeria) bouzari@ens-kouba.dz, malek_bouzari@yahoo.fr

Michela Malpangotto michela.malpangotto@obspm.fr

Volker Remmert remmert@uni-wuppertal.de

Clara H. Sánchez (Colombia) chsanchezb@unal.edu.co

Galina Sinkevich (Russia) galina.sinkevich@gmail.com

GUO Shirong (China) guoshirong1959@163.com, gsr@imnu.edu.cn

IMU Representatives:

Isobel Falconer (School of Mathematics and Statistics, University of St Andrews, Scotland) ijf3@st-andrews.ac.uk

Catherine Goldstein (Institut de mathématiques de Jussieu-Paris Rive gauche, Paris, France) catherine.goldstein@imj-prg.fr

Ex-Officio

Craig Fraser (Canada) craig.fraser@utoronto.ca

Reinhard Siegmund-Schultze (Norway) reinhard.siegmund-schultze@uia.no

Nathan Sidoli (Japan) sidoli@waseda.jp

The Executive Council of the ICHM had three electronic meetings (E-meetings) in 2018, and will have a fourth E-meeting in December.

b. Please list any sub-committees and their functions, with brief details of activities (e.g. frequency of meetings).

A sub-committee has just been struck in order to make proposals for ICHM activities at the ICM 2022 in St Petersburg. We will meet via email and present our proposals to the IMU in the spring of 2019.

A sub-committee is struck every four years to receive nominations and make a recommendation for the Kenneth O. May Prize, to be awarded at each ICHST Congress.

c. Please give details of membership numbers of the Commission, if formally constituted.

There are 43 National Members of the ICHM: Algeria, Austria, Belgium, Brazil, Canada, China, Costa Rica, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Guatemala, Iceland, Iran, Israel, Italy, Japan, Kazakhstan, Korea, Luxemburg, Mexico, Netherlands, New Zealand, Norway, Poland, Portugal, Russia, Saudi Arabia, Singapore, Slovak Republic, Spain, Sweden, Switzerland, Syria, Taipei, Tunisia, Turkey, United Kingdom, USA.

Individuals are listed at <https://www.mathunion.org/ichm/about-us/members>.

d. Please give URL of Commission website.

<https://www.mathunion.org/ichm>. It is updated at least four times annually.

2. Activities

a. Please list activities undertaken or sponsored by the Commission in the last year – including conferences, workshops, symposia, outreach, etc.

ICHM Co-Sponsored 29th *Novembertagung* (Brussels, Belgium, November 28-30, 2017)

ICHM Co-Sponsored *AMS-MAA Special Sessions on History of Mathematics* (San Diego, California, USA, January 10-12, 2018).

ICHM Co-Sponsored 14th Austrian Symposium on the History of Mathematics *Neglected parts of mathematics and their history* (Miesenbach, Austria, April 29 – May 5, 2018).

ICHM Sponsored the *Montucla Prize Lecture* at the 2018 International Congress of Mathematicians (ICM, Rio de Janeiro, Brazil, August 23-29, 2018).

ICHM organised a *History of Mathematics Symposium* at the 2018 International Congress of Mathematicians (ICM, Rio de Janeiro, Brazil, August 23-29, 2018). Four lectures, including the *Montucla Prize Lecture*, were given.

ICHM Co-sponsored the conference *Mathematical Communities in Postwar Reconstruction (1918-1928)* (CIRM, France, November 12-17, 2018).

The Grattan-Guinness Archival Research Travel Grant. The ICHM actively promoted this grant.

b. Please list any publications arising from the work of the Commission in the last year.

Historia Mathematica is the official journal of the ICHM. It appears four times annually and publishes roughly 525 pages of original research in the history of mathematics from all times and cultures. The journal is currently edited by Nathan Sidoli (Waseda University, Japan) and Reinhard Siegmund-Schultze (University of Adger, Norway). It is published by Elsevier Science and is available electronically to subscribers of ScienceDirect.

c. Please list any other activities supported in the last year e.g. prizes, e-lists etc.

The ICHM maintains an international e-mail list. This list serves to send out information from the ICHM to historians of mathematics internationally. Any historian of mathematics may become part of this e-list simply by contacting the Secretary of the ICHM.

3. Future plans

a. Please list activities planned for the next year, including conferences, workshops, symposia, outreach etc. Please specify as far as possible where and how you hope to use DHST funds to support those activities.

€2,500 will be made available to the organizers of the 2018 Novembertagung (Seville, Spain, November 28-30, 2018). This is an international conference for doctoral students and young scholars. Funds will be used to support the travel and subsistence of participants.

ICHM Co-Sponsored *AMS-MAA Special Sessions on History of Mathematics* (Baltimore, Maryland, USA, January 10-12, 2019). No financial aid requested.

As is customary, funds that are not used will be returned to the Treasurer.

b. Please outline any plans for development of the Commission's website.

During 2017 the ICHM website was remodelled with the assistance of website specialists from the International Mathematical Union. Since the beginning of 2018 it has been part of the IMU website and costs are covered by the IMU.

c. Please outline any planned changes to the governance or organisation structure of the Commission.

The ICHM rules of governance were reformulated in 2017 as "terms of reference" for inter-union member commissions of the DHST and the IMU. There are no plans for any further changes.

4. Financial report

a. Please provide a breakdown of the use of DHST funds in the previous year in the 3 categories of website, administration costs and conference support. Receipts for expenditure should be scanned and included with your report for possible financial audit by DHST.

Total expenditures for the past year (including expenditure from both DHST funds and from other funds) are administration (\$52) and conference support (\$8586). Conference organizers submit reports on their conferences that are published on the ICHM website. The financial assistance is offered to the conference organizer in the form of a grant. Although a summary of how the funds are used is required, the ICHM does not currently employ detailed accounting procedures involving scans of receipts.

Early career scholars receiving support from DHST and from other funds:
€700 to the organisers of the Novembertagung to support travel costs of the participants (all of whom were doctoral students or recent post-graduates).

US\$2,210 to support Jemma Lorenat (Pitzer College, USA) to receive the Montucla Prize and deliver the Montucla lecture at the ICM 2018 (Rio de Janeiro).

€2,000 to support accommodation costs for four early career scholars at the conference *Mathematical Communities in Postwar Reconstruction (1918-1928)* (CIRM, France).

Philippe LAFARGEAS, Master student, Université Paris Diderot, France (€500)

Elena RINALDI, PhD student, Università Ferrara, Italy (€500)

Jan KOTULEK, Ostrava University, Czech Republic (€500)

Katalin GOSZTONYI, Budapest University, Hungary (€500)

b. Please provide a budget for the proposed use of DHST funds for the next year, justifying the requests made under the categories of website, administration costs and conference support in as much detail as possible.

We are budgeting for \$75 (administrative costs) and US\$1,500 (conference support). The conference funds will contribute support to the 2018 Novembertagung in Seville.

c. Please provide an overall statement of your Commission's financial position, including details of any surplus and other sources of funding, if relevant.

The financial position of the ICHM is currently good. We receive funds each year from Elsevier for our oversight of the journal *Historia Mathematica*, the official journal of the ICHM.

5. Other information

Please provide any other information relevant to the activities and operation of your Commission not already included above.

6. Grant request

Please provide a clear statement of your grant request for the next year. Application may currently be made for up to \$600 for website maintenance/development, up to \$300 for Commission administrative/operating costs, and up to \$1500 for conference support. The statement should be underpinned by the budget given at 4.b.

We are requesting \$75 (administrative costs) and \$1500 (conference support). The conference funds will support participation by early career researchers at the 2018 Novembertagung in Seville.