

International Commission for the History of Mathematics (ICHM)

Report IUHPS-DHST 2017

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:

Ciro Ciliberto (Dipartimento di Matematica, Università degli Studi di Roma Tor Vergata, Rome, Italy) cilibert@mat.uniroma2.it

Shrikrishna G. Dani (Department of Mathematics, Indian Institute of Technology - Bombay, Powai, Mumbai, India) sdani@math.iitb.ac.in, shrigodani@gmail.com

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 2017, 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).

Every four years, two subcommittees are struck, one to receive nominations and make a recommendation for the Kenneth O. May Prize, and one to make a recommendation for the Montucla Prize, both prizes to be awarded at the corresponding ICHST Congress.

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

There are 46 National Members of the ICHM: Algeria, Australia, Austria, Belgium, Belorussia, 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, Taiwan, Tunisia, Turkey, Ukraine, United Kingdom, USA. Individuals are listed at <http://www.unizar.es/ichm/members.htm>.

d. Please give URL of Commission website.

<http://www.unizar.es/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 *AMS-MAA Special Sessions on History of Mathematics* (Atlanta, Georgia, USA, January 4-5, 2017).

ICHM Co-Sponsored Symposia on the History of Mathematics at the 25th International Congress of History of Science and Technology (ICHST, Rio de Janeiro, Brazil, July 23-29, 2017)

S-79. Mathematical Methods at Work in Ancient China—Local Applications with Global Connections

S-26. State of the art in the history of mathematics in Iberoamerica

S-27. The resurgence of applied mathematics 1850-1950: national and international, academic, industrial and military contexts

S-82. Global Mathematics

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, Tokyo) 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.

Kenneth O. May Medal and Prize, was awarded at the Rio ICHST Congress in 2017 to Eberhard Knobloch (Berlin) and Roshdi Rashed (Paris), the latter in absentia.

The Kenneth O. May Medal and Prize is given for outstanding contributions to the history of mathematics on the occasion of the International Congress of History of Science.

Montucla Prize 2017, was awarded at the Rio ICHST Congress in 2017 to Jemma Lorenat (USA) in absentia.

The Montucla Prize is awarded by the Executive Committee of the International Commission for the History of Mathematics every four years to the author of the best article by a junior scholar published in *Historia Mathematica* in the four years preceding the International Congress of History of Science and Technology.

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.

ICHM Co-Sponsored *AMS-MAA Special Sessions on History of Mathematics* (San Diego, California, USA, January 10-12, 2018). No financial aid is requested.

\$700 will be made available to the organizers of the 2017 Novembertagung (Brussels). This is an international conference for doctoral students and young scholars. Funds will be used to support the travel and subsistence of participants.

€2,000 will be made available to the organizers of the conference *Mathematical Communities in Postwar Reconstruction (1918-1928)* to be held at CIRM, Marseille in November 2018. Funds will be used to support the participation of doctoral students, young scholars and underfunded scholars from countries in economic difficulty.

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.

The ICHM website is currently being remodelled with the assistance of website specialists from the International Mathematical Union. Once complete it will be transferred to become part of the IMU website. It is expected that the transfer will take place late in 2017 or early 2018.

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.

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.

Expenditures for the past year are website (\$171), administration (\$110), prizes and travel for recipients (\$5024), ICHM symposia and prize reception at ICHST Rio (\$7851).

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.

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 \$180 (website costs, although this may change with the change in web support), \$130 (administrative costs) and \$1500 (conference support). The conference funds will contribute support to the 2017 Novembertagung in Brussels, and the conference *Mathematical Communities in Postwar Reconstruction (1918-1928)* to be held at CIRM, Marseille in November 2018.

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 \$180 (website costs), \$130 (administrative costs) and \$1500 (conference support). The conference funds will support participation in the 2017 Novembertagung and the conference *Mathematical Communities in Postwar Reconstruction (1918-1928)* to be held at CIRM, Marseille in November 2018.