



Schweizerische Mathematische Gesellschaft
Soci t  Math matique Suisse
Swiss Mathematical Society

Report of the SMS – President – Year 2022

IMU General Assembly and awards ceremony: The IMU General Assembly was held in Helsinki, July 3-5, 2022. SMS was represented by 4 delegates: Prof. S. Morgenthaler (EPFL), Prof. C. Tretter (Bern, SMS secretary), Prof. A. Valette (Neuch tel, SMS President), Prof. Maryna Viazovska (EPFL). On July 6 the 4 delegates attended the award ceremony of the IMU, where 2 out of the 4 Fields medals were attributed to mathematicians based in Switzerland – namely Professors H. Duminil-Copin (UniGE) and M. Viazovska (EPFL).

Scientific events:

With the decrease of the pandemic, we were happy to return in 2022 to face-to-face meetings.

The SMS doctoral day was held in Fribourg on May 13, 2022. It was organized by Prof. E. Le Donne, and gathered approx. 40 PhD students from all Swiss universities.

<https://commonweb.unifr.ch/Science/Math/Pub/dr.day/main.html>

The SMS spring meeting took place at EPFL, 13-17 June 2022, under the form of a *Birational Geometry conference*, organized by Prof. Z. Patakfalvi. It hosted the SMS General Assembly on June 16, 2022, which was followed by a general talk by Prof. Claire Voisin (IMJ Paris).

<https://www.epfl.ch/labs/cag/birational-geometry-conference/>

The SMS autumn workshop, Dynamics and groups, took place at Uni Zurich, 14-16 September 2022, and was organized by Profs. C. Burrin and C. Ulcigrai.

<https://www.math.uzh.ch/index.php?id=konferenzdetails0&key1=710>

The 2022 SMS Fields Medals Day took place in Bern on October 7, 2022, with 4 excellent talks on the work of the 4 Fields medallists of 2022.

<https://www.math.ch/activities/fields-medals-day-2022/>

For a list of other events sponsored by SMS, see

<https://www.math.ch/index2022.php>

Matura Awards: Every second year, the SMS gives prizes for good Matura theses in mathematics. In 2022, we attributed two first prizes ex-aequo, and two second prizes ex-aequo. The prizes were handed out by the SMS president during the 33th Day on Mathematics and Teaching, that took place in Bellinzona on September 14, 2022. The Jury consisted of the

SMS committee together with Laura Grave (UniNE), Norbert Hungerbühler (ETHZ), Julia Lieb (UniZH), Benjamin Schlein (UniZH), Viktor Schroeder (UniZH), Kevin Wildrick (UniBE).

<https://www.math.ch/about-sms/matura-awards/awards2022.php>

Outreach: The SMS continued to sponsor a number of activities aimed at mathematical outreach. A special mention to the week *Let's talk about outreach* and its *Math'émerveille festival*, that took place at Les Diablerets, October 23-29, 2022: that was the first conference ever in Switzerland fully dedicated to outreach in maths.

<https://indico.cern.ch/event/1038038/>

Membership: On December 31, 2022, the SMS had 511 members. We are aware of 3 deceased members in 2022: Prof. François FRICKER (Uni. Giessen), Prof. Robert INEICHEN (UniFR), Prof. Thomas KAPPELER (UniZH)

Publications:

a) *Commentarii Mathematici Helvetici* (CMH): Report by Eva Bayer, Chief Editor:

Year	Number of submitted papers	Number of pages	Number of accepted papers	Number of pages	Number of rejected papers	Number of pages
2022	243	6651	26	935	210	5499

The average time between submission and publication is of 16 months. The number of published papers in 2022 (Volume 97) is 20, for a total of 825 printed pages. The backlog was quite high, hence we rejected most papers. This was done very quickly (in most cases). Before sending out a paper for refereeing, we ask for 2-3 quick overall opinions, and only go ahead if they are all excellent. The collaboration within the editorial board and with the EMS Publishing House is excellent.

b) *Elemente der Mathematik*: Report by Norbert Hungerbuehler, Chief Editor: *In the 2022 reporting year, we again succeeded in designing the four issues 77/1 to 77/4 with interesting and diverse articles, reviews and problems.*

However, the influx of reviews has continued to fall sharply, so that in 2022 two issues without reviews were published again. Christoph Thäle, who is in charge of the reviews together with Martin Jakob, would like to leave the editorial team. However, no successor for this task could be found so far.

The new Short notes section introduced in 2016 has proven its worth. Several entertaining mathematical pearls were offered to our readers in the year under review. Since there are hardly any comparable forms in other journals, the Elemente also fill a gap in the market with this offer. The short notes appear in random order, depending on the input, and without box text and CV before the problem section. They are subject to the same strict scientific criteria and the same review process as the usual articles and are also treated as independent articles by the publisher.

The double-blind review introduced in 2020 has been well received by authors and reviewers alike and has proven itself valuable. The authors, in particular, consider this approach to be particularly fair. We are therefore continuing the process. The good cooperation with EMS-Press should be emphasized: the cooperation with the team in Berlin works smoothly. The backlog was around 14 months in the year under review.

I seize this opportunity to thank Eva Bayer and Norbert Hungerbuehler for their dedication.

Website: Our website math.ch has been optimized for mobile phones in 2022, meaning that it is now possible to read it in a practical and easy way on tablets and smartphones. We thank our webmaster Norbert Hungerbühler for this important work.

The SMS committee decide to require, for each SMS-sponsored activity, a short activity report which is now posted on our website.

Neuchâtel, April 28, 2023.

Alain Valette (SMS president)