Happy New Year, and Happy Lunar New Year to everyone in the ICIAM Community. This is a propitious year, because this year we will celebrate ICIAM 2023. ICIAM Dianoia looks forward to reporting on an exciting and productive Congress. In this issue of ICIAM Dianoia, read about recent activities which had ICIAM sponsorship, and activities of organizations in which ICIAM participates.

Newsletter Content

1. January 2023 Letter from the ICIAM President, Ya-xiang Yuan
2. ICIAM Reminders: January 2023
3. Counting the Days to ICIAM 2023
4. Peruvian Conference on Scientific Computing
5. Recognition of ICIAM by ISC
6. January 2023: News from the International Science Council
7. Second Annual Report Issued by SCGES
8. Gender Equality Committee Hosts Global Women’s Breakfast Event on Gender Gap Project

January 2023 Letter from the ICIAM President, Ya-xiang Yuan

Dear Presidents and Representatives of Member Societies, and Members of the ICIAM Community,

As the new year 2023 begins, I would like to wish you and your societies all the best for the next 12 months. Above all good health for you and your families and also success to your societies for all the events and activities they will organize.

This year will be an important year for the ICIAM community. The ICIAM congress will be held August 20-25, 2023 in Tokyo, Japan. With less than 8 months left before the Congress, I urge all of you to encourage members of your societies to register for ICIAM-2023, to attract as many people to the congress as possible and to make our congress a great success. Information about how to make registrations, how to organize mini-symposia, how to submit contributed talks and posters and how to apply for financial support can be found at the website of the Congress (http://iciam2023.org) (http://iciam2023.org).

Right after ICIAM-2023, the Board meeting will take place on August 26th, to make several important decisions, including:

1) election of 2 Officers at large,
2) choice of the Scientific Program committee (SPC) for ICIAM-2027 which will be held in the Hague in 2023, (The chair of the SPC for ICIAM-2027 will be Professor Barbara Wohlmuth. I would like to remind you that suggestions for membership of SPC should be sent to me before the 10th of February, 2023.)

3) changes to the ICIAM Bylaws and ICIAM prize rules.

I look forward to seeing you all in Tokyo and with my very best wishes and regards for 2023.

Ya-xiang Yuan
ICIAM President

Ya-xiang Yuan

Ya-xiang Yuan is the current President of ICIAM (2019-2023). He is a professor at Academy of Mathematics and Systems Sciences, Chinese Academy of Sciences. His research focuses on optimization.

ICIAM Reminders: January 2023

Members are reminded to update their Society's information:

ICIAM maintains a self-service membership directory at https://www.iciam.org/members. Please take this opportunity to check your membership information, and update it if appropriate. Instructions on how to update your entry or to add new information can be found in our membership FAQ, https://www.iciam.org/faq-members.

Members may also be interested in ICIAM's Conference Support Program for Applied and Industrial Mathematics in Developing Countries:

In addition to in-person meetings, ICIAM currently offers support for virtual meetings, for example by sponsoring waivers of registrations fees for participants from developing countries, or by supporting streaming or recording services. ICIAM encourages conference organizers to apply for support for virtual meetings using the general principles outlined in the announcement. Click here for details.

Here's a reminder that you can download a PDF file of any issue of ICIAM Dianoia (as long as the editor has remembered to set it up). Clicking on the "Downloads" button at the top of the browser view of the newsletter will bring up a screen that offers you a choice of A4 or US Letter to fit your printer.

The 2022 ICIAM Officers

Ya-xiang Yuan (President), Wil Schilders (President-Elect), Sven Leyffer (Secretary), Heike Fassbender (Treasurer), Luis Vega and Liliane Basso Barichello (Officers-at-large)
Counting the Days to ICIAM 2023

Plans for ICIAM 2023 are almost complete, but there are still ways to contribute. The
deadline for submission of Minisymposium Proposals and Contributed Talks has been extended to February 20, 2023.

Please visit the ICIAM 2023 webpage (https://iciam2023.org) for the latest news about the upcoming Congress, including
- Submission of posters
- Tentative program
- Submission deadline of talk abstracts: April 20, 2023
- Information about financial support
- List of accepted mini symposia and announcements of
- Invited Lectures and the Olga Taussky-Todd Lecture
- Registration Fees
- Information about entry to Japan

And

- Sign up (https://iciam2023.org/email_notification) to get e-mail notifications about ICIAM 2023

Peruvian Conference on Scientific Computing

The project Peruvian Competence Center of Scientific Computing (www.pec3.org (http://www.pec3.org/)) is funded by the German Academic Exchange Service (www.daad.de (http://www.daad.de/)) and it brings several German and Peruvian universities together. It has the goal to foster research and education in applied mathematics. Although most of the time (the project ran from 2019 – 2022) the project
was badly affected by the COVID-19 pandemic, we could successfully organize several summer schools, support online conferences and opened several lectures of German universities for Peruvian students.

In 2022 the Peruvian Conference on Scientific Computing (www.pec3.org/cusco2022 (http://www.pec3.org/cusco2022)) that we organized in October 2022 in the Andean city of Cusco in Peru was the highlight of the project. We brought together more than 150 participants from all over the world. Nearly 50 lectures and about 25 posters were presented. The presentations showed that the role of applied mathematics is substantial in Peru and the surrounding countries. Some of the striking problems of the continent, such as the origins and the effects of climate change or the spread of tropical diseases and measures against them like mosquito control were the topic of many contributions.

Figure 1 Parallel Lectures

The support of the German Academic Exchange Service made it possible to support travel and accommodation costs of participants from two Peruvian partner universities. In addition, the support of the International Council for Industrial and Applied Mathematics (ICIAM) allowed us to award 11 ICIAM Fellowships to participants from neighboring developing countries. Both sources of support have been essential to provide fair opportunities for joining the event.

Figure 2: Conference venue

Three days of the conference were mainly reserved for talks and poster sessions with a pretty dense program. It was our goal to allow as many participants to present their topics as possible. One afternoon and the complete fourth day was reserved for the social program to give time for discussion and networking. Since Cusco is an old Inca settlement with world-class artefacts and ruins, (also in close proximity to Machu Picchu) interesting destinations are close by. One afternoon the complete conference went for a little hike to the ruins of Sacsayhuamán (https://en.wikipedia.org/wiki/Sacsayhuamán) directly atop the center of Cusco.
On the final day of the conference, the local host, the Universidad Nacional de San Antonio Abad del Cusco, organized an excursion to the Inca complex at Pisac (https://en.wikipedia.org/wiki/Inca_complex_at_Pisac). This gave the participants plenty of time for discussion and exchange of ideas for future collaboration.

Thomas Richter

Thomas Richter is Professor of Numerical Mathematics at the Otto-von-Guericke-University in Magdeburg. He has a PhD in Mathematics from Heidelberg University. His research is on modern simulation techniques for complex pde problems with applications.

Recognition of ICIAM by ISC

Recent news shows that the International Science Council recognizes how central applied mathematics is to many scientific disciplines.
First, the ICIAM officers are very pleased to announce that the nomination of Maria J. Esteban as Fellow of the ISC was successful.

In the statement announcing the new Fellows, ISC President Peter Gluckman said:

“I am delighted to announce the election of Honorary Fellows and ISC Fellows today during the 2022 World Science Forum. Recognised for their service to science for society, these individuals have and will continue to play an important role in ISC’s mission to use science as a global public good. They bring a diversity of experience, insight and perspective and I look forward to working with them over the coming months and years. Our mission has never been more urgent.”


The citation reads Maria J. Esteban is a European fundamental researcher in mathematics, with indisputable presence worldwide. Her contributions span both scientific research and science management. Her research contributions establish connections between theoretical mathematics and interdisciplinary applications. Her invitations as plenary lecturer at prestigious conferences attest to worldwide acclaim.

She has led in scientific administration and in directing scientific activities for the European and world mathematical communities.

Her vision of science as a public good is the leitmotif of her tireless activity in promoting mathematics in particular and science in general in her multiple positions of responsibility in both European and world institutions.

A second important piece of news is that ICIAM is beginning to be successful in nominating applied mathematicians whose expertise can contribute to ISC’s projects. Following a suggestion, the ISC Committee at ICIAM nominated Dieter Armbruster of Arizona State University for the ISC Advisory Committee on Science Planning, and our nomination was successful. His name appears on the list of committee members (https://council.science/about-us/governance/committees/committee-for-science-planning/), along with an explanation of the committee's purpose and function.

January 2023: News from the International Science Council

LATEST NEWS AND CALLS FROM THE INTERNATIONAL SCIENCE COUNCIL (ISC)

In this section we will highlight recent events, decisions, calls, and news concerning the International Science Council which the editors of DIANOIA find interesting for its readership.

The World Science Forum was held in early December 2022 in Cape Town, South Africa

On the eve of the Forum, the ISC held the first in a series of Global Knowledge Dialogues (https://council.science/current/news/gkd-africa-grand-success/?
Participants discussed key issues in governance, capacity strengthening, funding, African knowledge systems, African identity, education, and the specific role of social sciences, and contributed to shaping ideas about how to build an effective presence for the ISC in Africa through a new partnership with Future Africa (https://council.science/current/press/isc-future-africa-agreement/).

A Declaration made at the closing plenary of the Forum, focusing on its theme of Science for Social Justice.

The ISC and United Nations Environment Programme (UNEP) to cooperate on advancing the use of science in environmental policy and decision-making:

The ISC and the United Nations Environment Programme (UNEP) have signed a Memorandum of Understanding to support closer cooperation (https://eur03.safelinks.protection.outlook.com/?url=https%3A%2F%2Fscience.us5.list-manage.com%2Ftrack%2Fclick%3Fu%3D3e9b648776114e28887ea8c5%26id%3D3eb592d617b%26e%3D3d83d3be2t&data=05%7C01%7Cesteban%40cer...iV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=OWoEaI56EKfOEg7f%2BGeTByl2iUf9OhxccpekqUJXuqM%3D&reserved=0).

Opening doors to global equity in open access:

Recommendations to foster global equity in open access publishing from the first in a series of online workshops. (https://eur03.safelinks.protection.outlook.com/?url=https%3A%2F%2Fscience.us5.list-manage.com%2Ftrack%2Fclick%3Ff%3D2e9b648776114e28887ea8c5%26id%3D3d83d3be2t&data=05%7C01%7Cesteban%40cer...iV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=L6IzPZ3BEiEH9bkv3dJvNfxK8r%2FwzJC%2FsVS9qqvxfL8%3D&reserved=0).

Transformations to sustainability through many different lenses:

The final meeting of the Transformations to Sustainability programme was an opportunity to hear the insights of early-career scientists carrying out transdisciplinary research as part of international teams in different settings worldwide. (https://eur03.safelinks.protection.outlook.com/?url=https%3A%2F%2Fscience.us5.list-manage.com%2Ftrack%2Fclick%3Fu%3D2e9b648776114e28887ea8c5%26id%3D3d83d3be2t&data=05%7C01%7Cesteban%40cer...iV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=hdan%2FHncUkRDOKCsd8VLeFvT2NIqjx0W7fS1xHgLgUI%3D&reserved=0).

ISC statement on the exclusion of women from universities in Afghanistan:

Education is critical to the social, cultural, and economic progress of any country and to the wellbeing of its citizens, and the ISC is deeply saddened by the recent decision of the Islamic Emirate of Afghanistan to ban women from participating in university-level education. We are fully committed to promoting equitable access to education and participation in science in all societies irrespective of their political structure and urge the authorities of Afghanistan to reverse their decision. https://council.science/current/news/afghanistan-women-education/ (https://eur03.safelinks.protection.outlook.com/?url=https%3A%2F%2Flink.council.science%2Fclick%2F1pG4Tu4bpNYI31.wuG9wf_eT2cD4%2FzKHPEpVr%2F3s%2Fwomen-education%2F%3Futm_source%3DMembershipUpdate%26utm_medium%3DEmail%26utm_campaign%3D20230112&data=05%7C01%7Cesteban%40cer...iV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=hdan%2FHncUkRDOKCsd8VLeFvT2NIqjx0W7fS1xHgLgUI%3D&reserved=0).

Call for science-policy briefs for the STI Forum 2023:

The 8th Multi-stakeholder Forum on Science, Technology, and Innovation for the Sustainable Development Goals (STI Forum 2023) is calling upon scientists, engineers, economists and policy analysts to contribute science-policy briefs on science and technology issues. Contributions are sought in the areas of

- Rapidly emerging frontier technologies and emerging science issues and sustainable development,
Lessons for improving the science-policy-society interfaces, and
Review of progress in science, technology, and innovation, and looking ahead to 2030 and beyond.

Submission received will be brought to the attention of policy and decision makers and will inform the STI Forum held on 3 – 4 May 2023. The deadline for abstracts is 3 February: https://council.science/events/sti-forum-2023/

Maria J. Esteban
Maria J. Esteban is a senior researcher at CNRS and works at the University Paris-Dauphine. Her research area includes nonlinear partial differential equations, especially variational methods. Her term as President of ICIAM ended October 1, 2019.

Second Annual Report Issued by SCGES
The Standing Committee on Gender Equality in Science (SCGES) issued its second annual report. SCGES has 21 partners representing scientists around the world, brought together across disciplines to promote gender equality in science. The aim of SCGES is to ensure exchange of information amongst international scientific unions to foster gender equality and the implementation of recommendations of the “Gender Gap in Science Project.”

This report, compiled after the Committee’s second year of existence, is evidence of its current and future work on this endeavor. Starting with a short synthesis by SCGES chair, Catherine Jami, and a brief summary of the Committee’s new webinar series, it contains short reports by each of the 21 members of SCGES, all of which have a stated commitment to promote gender equality and women in science. Exchanging information on all related issues and making them visible is a major motivation for the partners who work together in SCGES. The report is enlightening in the various avenues that can be taken to support gender equality, including programming at meetings, codes of conduct, and committees or other institutional structures within the organizations that promote gender equality.

More information about the SCGES can be found here (https://gender-equality-in-science.org).
Gender Equality Committee Hosts Global Women's Breakfast Event on Gender Gap Project

ICIAM is an active participant in the Standing Committee on Gender Equality in Science (SCGES). The SCGES Webinar Series is a regular event organized by its Partner Institutions and coordinated by the SCGES. The series highlights various topics of interest around the focus of the Committee. The initiative was launched in 2022, and all past SCGES Webinars are easily accessible for viewing on the SCGES YouTube channel (https://urldefense.us/v3/__https://www.youtube.com/channel/UC25VqRgi6KrDpw4neB7QaJQ__;!!G2kpM7uM-TzlFchuJnJLa5sTkGb1Mh4V0IlMwwiyDiS6W8RO5qRQxyB79Yo-LeiMxBrSPq_XdpCrEG-mHJ0o$).

The next event in the webinar series will be a hybrid event entitled, “How to Evaluate and Reduce the Gender Gap in Science?” This event will simultaneously be part of the SCGES webinar series and the Global Women’s Breakfast (https://urldefense.us/v3/__https://iupac.org/gwb/__;!!G2kpM7uM-TzlFchuJnJLa5sTkGb1Mh4V0IlMwwiyDiS6W8RO5qRQxyB79Yo-LeiMxBrSPq_XdpCrEG-mHJ0o$). The event will take place Tuesday 14 February 2023, 9H-12H 45 CET=UTC+1 at the Campus Condorcet, Conference Center (https://urldefense.us/v3/__https://www.campus-condorcet.fr/en/the-campus/aubervilliers-site/the-buildings-on-the-aubervilliers-site/conference-centre__;!!G2kpM7uM-TzlFchuJnJLa5sTkGb1Mh4V0IlMwwiyDiS6W8RO5qRQxyB79Yo-LeiMxBrSPq_XdpCrETJGcrAlS$), Room 50 (ground floor), 93300 Aubervilliers, (Greater Paris, France), Metro: Front Populaire (line 12). The session will discuss the Gender Gap in Science project which ended in 2019. The session will reflect on the Gender Gap Project’s results, follow up with outcomes, and discuss alternative approaches. The SCGES requests all attendees (virtual or in person) to register in advance of the session here (https://urldefense.us/v3/__https://gender-equality-in-science.org/event/scges-webinar-february-14th-2023__;!!G2kpM7uM-TzlFchuJnJLa5sTkGb1Mh4V0IlMwwiyDiS6W8RO5qRQxyB79Yo-LeiMxBrSPq_XdpCrESez-o7A$). People unable to attend in person or online will be able to watch the recording on YouTube afterwards.

The session agenda is as follows:

9H -10 H 15: (In person only) Global Women’s Breakfast
10H 15 – 10H 45: Marie-Françoise Roy, Université de Rennes: The Gender Gap in Science project and its outcomes


11H 30 – 12H 15: Sophie Dabo, Université de Lille, Rachel Ivie, American Institute of Physics: The global survey of scientists: focus on Africa, Latin-America, Mathematics and Physics

12H 15 – 12H 45: Helena Mihaljevic, HTW Berlin: New results for the gender gap in publication patterns

Chair: Mei-Hung Chiu, National Taiwan Normal University

Carol Woodward and Guiying Yan
Carol S. Woodward is a mathematician at Lawrence Livermore National Laboratory. Guiying Yan is a professor at the Academy of Mathematics and Systems Science, Chinese Academy of Sciences (CAS).

The ICIAM newsletter was created to express the interests of our membership and partner organizations and the views expressed in this newsletter are those of the authors and do not necessarily represent those of ICIAM or the Editorial team. We welcome articles and letters from members and associations, announcing events, on-site reports from events and industry news.

© International Council for Industrial and Applied Mathematics (ICIAM). For reprint permission, advertising requests, potential articles and event notices, please contact: bkeyfitz@math.ohio-state.edu

© ICIAM 2023