

CEIC 2012 Activity Report

Members and terms

Thierry Bouche, UFR de Mathématiques, Institut Fourier, Université de Grenoble I, Grenoble, France (2011-2014)

Olga Caprotti, Department of Computer Science and Engineering, Chalmers and University of Gothenburg, Sweden (2008-2012)

James Davenport, Department of Computer Science, University of Bath, UK (2008-2012)

Carol Hutchins, Courant Institute, New York University, USA (2008-2012)

László Lovász, Department of Computer Science, Eötvös Loránd University, Budapest, Hungary (2011-2014)

Peter Olver, School of Mathematics, University of Minnesota, Minneapolis, USA (Chair) (2008-2014)

Ravi Vakil, Department of Mathematics, Stanford University, USA (2011-2014)

Meetings

The annual meeting of the CEIC took place in Berlin on July 19-20, 2012.

Attending: Peter Olver (Chair), Thierry Bouche, Olga Caprotti, James Davenport, Carol Hutchins, László Lovász, Ravi Vakil. Minutes can be found on the CEIC web page (see below).

The next meeting of CEIC has been scheduled for June 15-16 in Bath, UK.

CEIC web site

During 2012, the temporary CEIC web pages on the IMU Berlin web site were replaced by a permanent version incorporating the new IMU web page design. These were made active on January 28, 2013, with a link from the IMU home page, and are at

<http://www.mathunion.org/ceic>

The Backup of the IMU web server has now been realized. It saves the image of the web server (using httrack) every week and saves the changes in a version control system (git). Thus the state of the server each week can be reproduced. The image is clean HTML and does not depend on any CMS or special web server.

Also, the piwik based analytics server is currently in production state.

e-Archiving

The issue of e-Archiving of IMU materials (publications, correspondence, web sites, historical materials, etc.) was discussed at length at the CEIC meeting in Berlin. One challenge is the distinction between public, confidential and embargoed materials. The CEIC recommends that archived material be hosted by IMU rather than an outside server.

Copyright and ICMs

CEIC wrote a text to be signed by speakers at all recorded ICM lectures and events authorizing the taking of photos, videos, recordings, etc. and to publicly display such material, including reasonable modifications.

IMU Net

IMU Net is edited by Mireille Chaleyat-Maurel. Six regular issues plus two special issues on the International Launch of Mathematics of Planet Earth and the Heidelberg Laureate Forum appeared in 2012. One issue has so far appeared in 2013.

Journal blog

As a result of the IMU and the International Council for Industrial and Applied Mathematics (ICIAM) establishment of a Working Group to study the issue of Ranking of Mathematical Journals, in 2011 the IMU and ICIAM approved a blog on mathematical journals to be hosted by the IMU. The original moderators of the blog were

Doug Arnold (ICIAM)

Carol Hutchins (IMU)

Nalini Joshi (ICIAM)

Peter Olver (IMU)

Fabrice Planchon (IMU)

Tao Tang (ICIAM)

and Peter Olver was assigned the role of chairing the group.

Originally the blog was to be devoted to the question of journal ranking, but it was

later decided to open the blog to all matters involving journals. The blog went live on November 18, 2011, and can be found at

<http://www.mathunion.org/journals>

The blog moderators have struggled with the difficulty of using the Typo3 software implemented by the IMU technician. While some initial difficulties were successfully resolved, the consensus is that any future blog or social media activity needs to be done in a more supportive and adaptable software environment, and also soliciting advice from mathematicians who are actively involved in social media platforms.

On January 12, 2012, Tao Tang was replaced by Ming-Chih Lai. After April, postings ceased and so on October 25, 2012, Ingrid Daubechies posted a final entry. The blog is now closed, although everything remains available on the IMU web pages.

There has been discussion of starting a new blog, for possibly other topics of interest to IMU, using a different software platform, but no firm decisions have been made to date. Meanwhile, the Wordpress based blog server is in production state, and the Journal blog will be moved to the new server when ready.

WDML Workshop and Committee

The CEIC was awarded a \$73,000 grant by the Sloan Foundation to support the symposium

The Future World Heritage Digital Mathematics Library: Plans and Prospects

that took place June 1-3 at the National Academy of Sciences (NAS) in Washington DC. The grant funds were administered by the Friends of the International Mathematical Union (FIMU). The organizing committee consisted of the members of CEIC along with R. Keith Dennis (Cornell University), Michael Doob (University of Manitoba, Canada), and Ulf Rehmann (University of Bielefeld, Germany). Attendance was by invitation, and there were total of 52 participants, with 11 keynote talks, 8 panel discussions, and several break out sessions. Details can be found on the workshop wiki

<http://ada00.math.uni-bielefeld.de/dml>

that includes slides from talks, summaries of panels and break out sessions,

position statements, and a final report.

In addition, the NAS received a grant from Sloan to further develop the WDML, to produce a report and to plan prototypes and implementation, has also been funded. Ingrid Daubechies and Peter Olver are serving as members of the NAS committee. The report is due out in late 2013.

World Data System

On June 28, 2012, CEIC officially joined the International Council for Science (ICSU)'s World Data System (WDS) as an Associate Member.

Olga Caprotti served as the Committee's representative to the 23rd International CODATA Conference “Open Data and Information for a Changing Planet” held in Taipei on 28-31 October, 2012, where she sent contributions to the ongoing preparation of the policy brief on open access and brought a poster on the activities of the IMU.

Social Media: Facebook, Wikipedia, Twitter

In 2010, prior to the India Congress, Manwinder Kaur, a research student from Thapar University Patiala, India created an IMU Facebook page on his own initiative:

<http://www.facebook.com/pages/International-Mathematical-Union>

which, as of April 1, 2012, contains just a copy of the Wikipedia article on the IMU. There was some discussion about CEIC assuming administration of this page and adding content, but no action has so far been taken. Similarly for the discussions on expanding the IMU Wikipedia article and possibly starting an IMU Twitter account.