



International Study Group on the Relations Between
the HISTORY and PEDAGOGY of MATHEMATICS
An Affiliate of the International Commission on
Mathematical Instruction

No. 85

March 2014

This and earlier issues of the Newsletter can be downloaded from our website

<http://www.clab.edc.uoc.gr/hpm/>

These and other news of the HPM group are also available on the website

<http://grouphpm.wordpress.com/>

(the online and on time version of this newsletter).

REPORT FROM THE HPM CHAIR

Dear colleagues,

In this brief note, I would like to provide you with an update of the ongoing preparation of the HPM 2016 Conference, and the Proceedings Initiative that aims at making our HPM proceedings available electronically.

HPM 2016

I am happy to report that the preparation for the HPM 2016 conference has started. It is my pleasure to announce that HPM 2016 will take place at the Université Montpellier 2, France, where the IREM (Institut de Recherche sur l'Enseignement des Mathématiques) is located. I am grateful to Evelyn Barbin for her help in putting us in contact with the IREM network and in particular with Professor Nicolas Saby, chair of IREM of Montpellier.

Concerning the dates of the conference, we are making an effort to avoid overlaps with other major events. Although we are still working on the details, for the moment the date that seems to be the best is the week of July 18, 2016. We will keep you informed.

Here is a short description of the hosting institution.

Rich from its past and its heritage, as well as from the lifeblood stemming from today's laboratories, the Université Montpellier 2 is a university of intensive research which activities cover a wide range of subjects:

- * Health and Agronomy Biology;
- * Biodiversity and Ecology;
- * Evolution and Environment;
- * Chemistry, Earth and Water Sciences;
- * Mechanical Engineering;
- * Physics;

- * Mathematics and Computer Sciences;
- * Management and Education Sciences

In 1808, Napoleon 1st founded the Science Faculty of Montpellier. Today, the University offers diversified and complementary courses, leading to 230 degree programmes from learning to in-service training, where students of 115 nationalities are welcomed.

Approximately 4000 staff participate in the life of the establishment. The University enrolls 16 500 students. The university is also famous for its 10 large collections of botany (second herbarium of France), paleontology, zoology, and mineralogy.

The IREM of Montpellier is a department of the Science Faculty of the Université Montpellier 2. It was created in 1969 to:

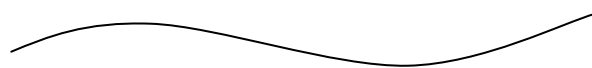
- * Lead research on mathematics teaching;
- * Contribute to the initial and in-service training of teachers;
- * Develop and publish documents for teachers and trainers;
- * Contribute to pedagogical experimentation.

The IREM of Montpellier has an important experience in organizing national and international meetings. For instance, the IREM of Montpellier organized a national IREM-Colloquium on Epistemology and History of Mathematics in 1985, as well as the First European Summer University "Epistemology and History in Education of Mathematics" (ESU) in 1993.

The HPM Proceedings Initiative

I would also like to report that we are in communication with ICMI administrators to continue uploading the proceedings of past conferences. I have received a PDF version of the HPM 2012 Conference from Professor Sung Sook Kim, of Paichai University in South Korea. The electronic copy of the proceedings will be available soon. For the time being the Proceedings of HPM 2004 (Uppsala) Conference are already online, thanks to the efforts of Fulvia Furinghetti, Costas Tzanakis, and Sten Kaijser (<http://www.mathunion.org/icmi/digital-library/aos-conferences/>)

I take advantage of this message to remind you that information concerning the forthcoming ESU-7 conference, to be held in Denmark this summer, is available in our site (<http://www.clab.edc.uoc.gr/hpm/Meetings.htm>),





MATHEMATICAL ASSOCIATION OF AMERICA'S CONVERGENCE

Mathematical Association of America's *Convergence* is undergoing many changes (as part of a website conversion). Please visit the journal's homepage:

www.maa.org/publications/periodicals/convergence

Below are several short abstracts of recently published articles.

Non-western

Diamantopoulos, John; and Woodburn, Cynthia. Maya Geometry in the Classroom. *Loci: Convergence* (August 2013), 5 pp., electronic only. The authors show how classic Maya people may have used knotted ropes to form desired geometric shapes in art and architecture.

www.maa.org/publications/periodicals/convergence/maya-geometry-in-the-classroom

Renaissance

Branson, William B. Solving the Cubic with Cardano. *Loci: Convergence* (September 2013), 8 pp., electronic only. The author shows how, in order to solve the cubic, Cardano relied on both classical Greek geometric and *abbaco* traditions, and he illustrates Cardano's geometric thinking with modern manipulatives.

www.maa.org/publications/periodicals/convergence/solving-the-cubic-with-cardano

18th Century

Wardhaugh, Benjamin. Learning Geometry in Georgian England. *Loci: Convergence* (August 2012), 6 pp., electronic only. A comparison of the geometry found in two 18th century copybooks written with two different purposes, mental acumen and practical application. DOI:10.4169/loci003930

18th and 19th Centuries

Wessman-Enzinger, Nicole M. An Investigation of Subtraction Algorithms from the 18th and 19th Centuries. *Loci: Convergence* (January 2014), 9 pp., electronic only. This survey of subtraction algorithms used in North America includes both handwritten "cyphering books" and printed arithmetic books.

19th Century

Del Latto, Anthony J.; and Petrilli, Salvatore J., Jr. Robert Murphy: Mathematician and Physicist. *Loci: Convergence* (September 2013), 8 pp., electronic only. The authors argue that Murphy (1806-1843) showed "true genius" during his very short life, and they provide a transcription of Murphy's first published work in 1824.

www.maa.org/publications/periodicals/convergence/robert-murphy-mathematician-and-physicist

20th Century

Beery, Janet; and Mead, Carol. Who's That Mathematician? Images from the Paul R. Halmos Photograph Collection. *Loci: Convergence* (January 2012 - March 2013), 60 pp., electronic only. For each of 343 photographs taken by functional analyst and mathematical expositor Halmos from 1950 to 1990, the authors identify the subjects and provide biographical information about them. DOI:10.4169/loci003801

Meyer, Walter. External Influences on U.S. Undergraduate Mathematics Curricula: 1950-2000. *Loci: Convergence* (August 2013), 8 pp., electronic only. An examination of the influence of forces outside of mathematics on such curricular changes as increased emphasis on applications and modeling, introduction of discrete mathematics courses, and calculus reform.

www.maa.org/publications/periodicals/convergence/external-influences-on-us-undergraduate-mathematics-curricula-1950-2000

Janet Beery,
Editor, MAA *Convergence*

Janet L. Beery, Ph.D.
Professor of Mathematics
Department of Mathematics and Computer Science
University of Redlands
1200 E. Colton Ave.
Redlands, CA 92373



7th EUROPEAN SUMMER UNIVERSITY
ON THE HISTORY AND
EPISTEMOLOGY IN MATHEMATICS
EDUCATION

ESU-7

14-18 July 2014

Aarhus University,
Campus Emdrup, Copenhagen, Denmark

SECOND ANNOUNCEMENT

The initiative of organizing a *Summer University* on the *History and Epistemology in Mathematics Education* was undertaken originally by the French Mathematics Education community in the early 1980's. From those meetings emerged the Summer University on a European scale, as the *European Summer University (ESU) on the History and Epistemology in Mathematics Education*, the first one taking place in 1993. Since then, the ESU was successfully organized in 1996, 1999, 2004, 2007 and 2010 in different places in Europe: Montpellier (France), Braga (Portugal), Louvain-la-Neuve and Leuven (Belgium), Uppsala (Sweden), Prague (Czech Republic), Vienna (Austria).

Since then, the ESU has been established into one of the main international activities of the HPM Group, which – from 2010 onwards – will be organized every four years. This means that every two years the HPM meetings will have at least one major international meeting of the Group; namely, the ESU will alternate with the HPM Satellite Meetings of ICME.

1. Aim and focus of the ESU

See [HPM Newsletter 83](#).

2. Main themes of ESU-7

See [HPM Newsletter 83](#).

3. Activities during ESU 7

See [HPM Newsletter 83](#).

4. Target population

See [HPM Newsletter 83](#).

5. Time and place

The 7th ESU will take place from Monday 14 to Friday 18 July 2014 at the Aarhus University, Campus Emdrup (Copenhagen), Denmark.

The campus is located in Copenhagen, only 10 minutes from the city centre and 25 minutes from the international airport.

See [HPM Newsletter 84](#).

6. Official Languages

See [HPM Newsletter 83](#).

7. Submission of proposals

EXTENDED DEADLINES

31. December, 2013: abstracts of proposals for workshops and oral presentations.

30. April, 2014: abstracts for posters.

Notification of acceptance of presentation will happen within a month after these deadlines.

Important: please, use the [application form](#) on the website and send it in electronic form to:

Evelyne Barbin, Chair of the ESU7:

evelyne.barbin@wanadoo.fr

Tinne Hoff Kjeldsen, Co-chair:

tinne.kjeldsen@ind.ku.dk

Uffe Thomas Jankvist, Co-chair:

utj@dpu.dk

8. The (international) Scientific Program Committee (SPC) and The Local Organizing Committee (LOC)

See [HPM Newsletter 83](#).

9. The web site

Making known the ESU in various countries (in Europe and beyond) is a major task to be realized by the SPC. To this end, the website of ESU is a very efficient tool. Online registration, etc. will be operating soon at the website:

<http://conferences.au.dk/ESU-7/>

10. Proceedings

See [HPM Newsletter 83](#).

11. Programme

Plenary Sessions and Panels

See [HPM Newsletter 84](#).

Provisional Time Schedule

	Monday 14	Tuesday 15	Wednesday 16	Thursday 17	Friday 18
9:00-10:00	PL	PL	PL	PL	PL
10:00-10:30	BREAK	BREAK	BREAK	PL	BREAK
10:30-12:30	WS-2	WS-2	P	BREAK	WS-2
				P	
12:30-13:30	LUNCH	LUNCH	LUNCH, EXCURSION AND DINNER	LUNCH	LUNCH
13:30-16:30	WS-3	WS-3		WS-3	WS-2
					CLOSURE
16:30-17:30	OP	OP and SOP		OP	
17:30-19:00	POSTERS AND WINE RECEPTION	HAPPY HOUR		HAPPY HOUR	

Caption: Plenary lectures: PL; Panel: P; 15mn. Short oral presentation of posters: SOP; 30 min. Oral presentations: OP; 2-hour workshops: WS-2; 3-hour workshops: WS-3

Remark: It is expected that there will be at most 6 sessions of OP and/or WS running in parallel.

12. Registration

Participants should register online via the ESU-7 website

<http://conferences.au.dk/ESU-7/>

Conference fees

Early registration (before Feb 28, 2014):

225 EUR (175 EUR for students and school teachers)

Late registration (before May 31, 2014):

275 EUR (225 EUR for students and school teachers)

Online registration will be closed on May 31.

13. Accommodation

Accommodation can be booked through CABINN Scandinavia Hotel, where you will find a variety of options. You may enter their website through the conference website. A booking number for special prices for ESU-7 participants will soon be available at the conference website.

14. Social Program

See [HPM Newsletter 84](#).

15. For further information – contact

Evelyne Barbin, IREM et LMJL, UFR des sciences et des techniques, Université de Nantes, 2 rue de la Houssinière, BP 92208, 44322 Nantes Cedex, France

evelyne.barbin@wanadoo.fr

Tinne Hoff Kjeldsen, Department of Science Education, University of Copenhagen, Øster Voldgade 3, DK-1350 Copenhagen K

tinne.kjeldsen@ind.ku.dk

Uffe Thomas Jankvist, Department of Education, Aarhus University, Campus Emdrup, Tuborgvej 164, DK-2400 Copenhagen NV

utj@dpu.dk

Evelyne Barbin, France

Tinne Hoff Kjeldsen, Denmark

Uffe Thomas Jankvist, Denmark



Have you read these?

(February, 2014)

Aricha-Metzer, I. (2013). Creating the Language of Mathematics Instruction: Hebrew Schools in Palestine Before 1948. *International Journal for the History of Mathematics Education*, Vol. 8 (2).

Blanco, M. (2014). Thomas Simpson: Weaving fluxions in 18th-century London. *Historia Mathematica*, 41 (1), 38-81.

Carman, C. C. (2014). Two problems in Aristarchus's treatise *on the sizes and distances of the sun and moon*. *Archive for History of Exact Sciences*, Vol. 68 (1), 35-65.

Craik, A. D. D. (2013). Polylogarithms, functional equations and more: The elusive essays of William Spence (1777–1815). *Historia Mathematica*, 40 (4), 386-422.

Crowther, K. M.; Barker, P. (2013). Training the Intelligent Eye: Understanding Illustrations in Early Modern Astronomy Texts. *Isis*, 104 (3), 429-470.

Debuiche, V. (2013). Perspective in Leibniz's invention of *Characteristica Geometrica*: The problem of Desargues' influence. *Historia Mathematica*, 40 (4), 359-385.

Dejić, M. (2014). How the old Slavs (Serbs) wrote numbers. *BSHM Bulletin: Journal of the British Society for the History of Mathematics*, Vol. 29 (1), 2-17.

Domingues, J. C. (2014). The repercussion of José Anastácio da Cunha in Britain and USA in the nineteenth century. *BSHM Bulletin: Journal of the British Society for the History of Mathematics*, Vol. 29 (1), 32-50.

Dubinsky, E.; Riegler, P. (2014). In the Footsteps of Leibniz: A Visit to Wolfenbüttel, Germany. *The Mathematical Intelligencer* 36 (1), 68-70.

Friberg, J. (2014). Geometric division problems, quadratic equations, and recursive geometric algorithms in Mesopotamian mathematics. *Archive for History of Exact Sciences*, Vol. 68 (1), 1-34.

Grattan-Guinness, I. (2014). Hans Wussing and Christoph Scriba: An Appreciation. *BSHM Bulletin: Journal of the British Society for the History of Mathematics*, Vol. 29 (1), 60-67.

Grattan-Guinness, I. (2014). From anomaly to fundament: Louis Poinso's theories of the couple in mechanics. *Historia Mathematica*, 41 (1), 82-102.

Hildyard, D. (2014). John Pell's mathematical papers and the Royal Society's English Atlas, 1678–82. *BSHM Bulletin: Journal of the British Society for the History of Mathematics*, Vol. 29 (1), 18-31.

Karp, A. (2013). Interview with Michèle Artigue. *International Journal for the History of Mathematics Education*, Vol. 8 (2).

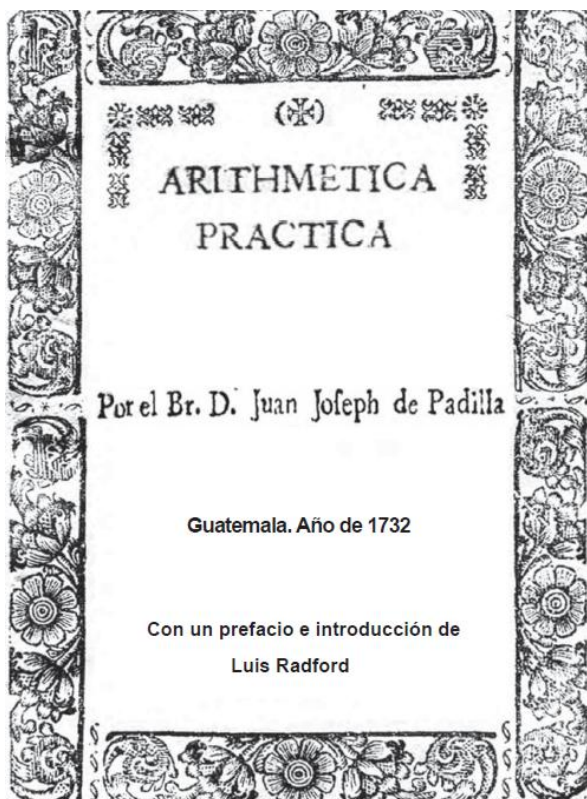
Lambert, K. (2013). A Natural History of Mathematics: George Peacock and the Making of English Algebra. *Isis*, 104 (2), 278-302.

Marchi, M. V.; Menghini, M. (2013). Italian Debates About a Modern Curriculum in the First Half of the 20th Century. *International Journal for the History of Mathematics Education*, Vol. 8 (2).

Mozaffari, S. M. (2014). Muḥyī al-Dīn al-Maghribī's lunar measurements at the Maragha observatory. *Archive for History of Exact Sciences*, Vol. 68 (1), 67-120.

Nakane, M. (2014). Did Weierstrass's differential calculus have a limit-avoiding character? His definition of a limit in $\epsilon - \delta$ style. *BSHM Bulletin: Journal of the British Society for the History of Mathematics*, Vol. 29 (1), 51-59.

Padilla, J. J. (1732). *Arithmetica Practica* (L. Radford, Ed.). Ciudad de Santiago de Guatemala: Imprenta de Ignacio Jacobo de Beteta. Available at:
http://luisradford.ca/luisradford/?page_id=13



Prytz, J. (2013). Social Structures in Mathematics Education. Researching the History of Mathematics Education with Theories and Methods from the Sociology of Education. *International Journal for the History of Mathematics Education*, Vol. 8 (2).

Radford, L. (2014) with contributions by Alain Bernard, Michael N. Fried, Fulvia Furinghetti, and Nathalie Sinclair. *History of mathematics and mathematics education*. In Michael N. Fried & Tommy Dreyfus (Eds.), *Mathematics & Mathematics Education: Searching for Common Ground* (pp. 89-109). New York: Springer, Advances in Mathematics Education series.

Sidoli, N. (2014). Mathematical tables in Ptolemy's *Almagest*. *Historia Mathematica*, 41 (1), 13-37.

Taisbak, C. M. (2014). Cube roots of integers. A conjecture about Heron's method in *Metrika* III. 20. *Historia Mathematica*, 41 (1), 103-106.

Verburgt, L. (2013). Robert Leslie Ellis's work on philosophy of science and the foundations of probability theory. *Historia Mathematica*, 40 (4), 423-454.

Williams, K.; Duvernoy, S. (2014). The Shadow of Euclid on Architecture. *The Mathematical Intelligencer* 36(1), 37-48.

Xu, B. (2013). The development of school mathematics textbooks in China since 1950. *ZDM*, Volume 45, Number 5/September, 725-736.



Announcements of events



Forthcoming BSHM meetings

(The British Society for the History of Mathematics)

<http://www.dcs.warwick.ac.uk/bshm/events.html#forthcoming>

1. Napier 400 Meeting

Friday 4th April 2014: JOINT MEETING with the James Clerk Maxwell Foundation to commemorate the 400th Anniversary of John Napier's invention of logarithms.

In Edinburgh, with talks at the Clerk Maxwell Foundation, 14 India Street, in the morning, and with visits to the 'Napier Exhibition' at the National Museum of Scotland, and to 'Napier Tower' (John Napier's original home) after lunch. The program is available at

http://www.dcs.warwick.ac.uk/bshm/meetings/Napier400_MeetingFlyer2.pdf.

2. Sessions at BCME8

Tuesday 15th & Wednesday 16th April 2014. There will be BSHM joint "History of Mathematics" sessions on these two days within the British Congress of Mathematics Education's "Building Bridges - Making Connections" (14th to 17th April) at the University of Nottingham.

See the sessions relevant to the History of Mathematics at

<http://www.dcs.warwick.ac.uk/bshm/meetings/BSHMatBCMEApril2014.pdf>.

3. Joint BSHM & NW IMA meeting

Tuesday 13th May 2014. The John Dalton Building, Manchester Metropolitan University, M1 5GD.

A talk by Robin Wilson, topic to be announced, at 7.30 pm. A joint meeting of the BSHM and the North West IMA branch.

4. Counting and Calculation - a journey through practical mathematics

Summer Weekend, Rewley House, Oxford. Saturday 21-22 June 2014.

Our annual joint weekend with the Oxford University Department of Continuing Education (OUDCE).

Mathematics arose from calculation, and this weekend school brings together a noted group of eminent mathematicians to discuss mathematics in relation to fiercely practical problems. Our speakers will attempt to explain the history and the beauty of this sort of mathematics and some of the concepts that arose from it; and each of our speakers is well-known for their ability to convey sophisticated ideas to a general audience (several are well-known authors of popular books in mathematics). As always in our BSHM-OUDCE weekends, we aim to offer talks which should be accessible to most people, talks which surprise, contain information you might not perhaps expect, and (importantly) talks which have something for everyone, from the professional mathematician, right through to the intelligent individual with perhaps little mathematical background.

We are offering a rich programme which even includes a trip to the Oxford Museum for the History of Science and an entertaining evening talk on a mathematical constant known to all.

Booking is already open. Booking and programme details at

<http://www.conted.ox.ac.uk/courses/G100-46>.

5. Famous physicists and mathematicians from Belfast

One day event at Queen's University Belfast
Wednesday, 25th June 2014. Joint meeting
with the Institute of Physics.

6. Non-Western Mathematics

Andrew Wiles Building, Oxford.
Friday, 27th June 2014. Joint meeting with the
Clay Mathematics Institute.

7. BSHM–Gresham College Joint Meeting.

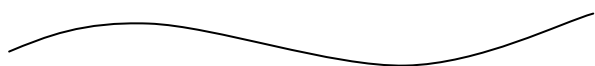
The topic is "History of Statistics" but the title
is not yet decided. Thursday, 30th October
2014. The featured speaker will be Eileen
Magnello from University College London.
Either at Barnard's Inn Hall, Gresham College
London or at the Museum of London.

8. BSHM Annual Christmas Meeting

A daytime meeting with a mixture of invited
speakers and members' talks. The Birmingham
and Midland Institute, Margaret Street,
Birmingham, B3 3BS. Within easy walking
distance of Birmingham's New Street Station.
Saturday 6th December 2014. Non members
welcome, reduced fee for members. Pre-
registration will be needed and a charge
payable by attendees. Includes coffee and
buffet style lunch.

9. BSHM/CSHPM Joint Meeting in North America 2015

Washington, DC, USA, 5th-8th August 2015.





Mathematical Cultures - Conference 3

April 10-12, 2014

London, UK

<https://sites.google.com/site/mathematicalcultures/conference-3>

The **third** conference (10-12 April 2014) will discuss the relations between mathematics and non-mathematical public cultures. Amongst other topics, it will explore the question “why should I study mathematics?” - from perspectives within and outside mathematical cultures.

This third meeting will aim to build on the first conference by identifying the contributions from and audiences in the various mathematical cultures. It will build on the second conference by drawing on the articulations and explorations of mathematical values there explored.

Confirmed Speakers

Invited speakers:

Michael Harris.

The Science of Tricks

Tony Mann.

Mathematics in fiction: the novels of Catherine Shaw

Heather Mendick.

Mathematical Popular Cultures

Madeline Muntersbjorn.

Mathematics and Morality

Contributed talks:

Tom Archibald and Veselin Jungic.

Mathematics and First Nations in Western Canada: From Cultural Destruction to a Re-awakening of Traditional Reflections on Quantity and Form

Michael Barany.

Remunerative Combinatorics: Mathematicians and their Sponsors after the Second World War

Jean Paul Van Bendegem.

The practice of proof rather than proof

Alexandre Borovik.

Mathematics in the new pattern of division of labour

Paul Ernest.

Questioning the Value of Mathematics

Norma Beatriz Goethe.

Leibniz on painting thoughts, playing with transmutations, working with ‘compendia’

Albrecht Heffer.

Jesuit strategies for the recruitment of interest in mathematics after the Ratio Studiorum (1599)

Elizabeth Hind.

Mathematics in STEM education – Where does it fit?

Timothy Johnson.

Is fairness a mathematical concept?

Markus Pantsar.

The Great Gibberish: Mathematics in Western Popular Culture

Emil Simeonov.

Is mathematics an issue of general education?

Henrik Kragh Sørensen.

Narrating Abel: Aesthetics as biography of the mathematical persona in public culture

HPM Americas Spring Meeting

April 11-13, 2014

Normal, Illinois, USA

The History and Pedagogy of Mathematics (HPM) Americas Section will hold its Spring Meeting at Illinois State University (ISU) in Normal, Illinois, Friday - Sunday, April 11-13, 2014.

The HPM Americas Meetings information:

<http://www.hpm-americas.org/meetings/>

Canadian Society for the History and Philosophy of Mathematics – 2014 Annual Meeting

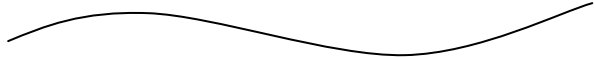
May 25-27, 2014

St. Catherines, Ontario, Canada

The 2014 Annual Meeting will be held with the Canadian Federation for the Humanities and Social Sciences (CFHSS) at Brock University in St. Catherines, Ontario on May 25-27. In celebration of the 400th birthday of logarithms, "Early Scientific Computing" will be the special session topic at the meeting.

Michael R. Williams, professor emeritus of the University of Calgary, will be the Kenneth O. May lecturer at the 2014 Annual Meeting. His accomplishments include serving as president of the IEEE Computer Society, as editor-in-chief of the Computer Society Press, as editor-in-chief of the *Annals of the History of Computing* and being awarded an honorary doctorate from the University of Glasgow for his contributions to the history of computing. He has published widely in 16th through 18th century computing, including Napier and his colleagues.

<http://www.cshpm.org/meeting/index.php>



Third International Conference on the History and Education of Modern Mathematics

September 20-25, 2014

Hangzhou, China

Organized by

Zhejiang University of Science and Technology, Hangzhou; Department of Mathematics, Northwest University, Xi'an

In Association with

REHSEIS (SPHERE), CNRS & University Paris Diderot; Dept of Mathematics, Simon Fraser University
Chinese Society for the History of Mathematics

Organization Scientific Committee

- * Qu Anjing (Northwest University, Xi'an, China, Co-Chair)
- * Tom Archibald (Simon Fraser University, Vancouver, Canada, Co-Chair)
- * Karine Chemla (REHSEIS—SPHERE, CNRS & University Paris Diderot, Paris, France)
- * Niccolò Guiccardini (University of Bergamo, Italy)
- * Tinne Hoff Kjeldsen (Roskilde University, Copenhagen, Denmark)
- * Norbert Schappacher (Université de Strasbourg, France)
- * Ueno Kenji (Seki Kowa Institute of Mathematics, Japan)

Local Organizing Committee

Zheng Youqu (Chair), Cen Gang, Tao Xiangxing, Ruan Shiping, Xue Youcai, Qiu Binqiang, Yin Weidong, Wang Wenbin (Zhejiang University of Science and Technology, Zhejiang China), Yuan Min (Northwest University, Xi'an, China)

Program

Four days of scientific sessions are planned.

1. Plenary Invited Lectures

Invited lectures will be announced later.

2. Scientific Sessions for Contributed Papers

Parallel sessions will be organized on specific topics.

3. One day sight-seeing

4. Language: English

5. Tentative Schedule

Sept 20, arrival, registration, getting together
Sept 21-24, Scientific program
Sept 25 Sightseeing

6. Topic

CONTEMPORARY RESEARCH IN THE HISTORY OF MODERN MATHEMATICS AND APPLICATIONS TO PEDAGOGY

Research in both the history of mathematics and the applications of history of mathematics to pedagogy have in recent years been enriched by new directions. The results have included new emphases in both disciplines, with diverse and far-reaching consequences. On the side of history, we see a

renewed interest in the philosophical issues of various kinds, on the transmission of mathematical knowledge from local settings to global norms, on networks of scholars and networks of texts, on the nature and importance of application in mathematics, and on a reassessment of the importance of computation in all its forms. On the side of education, we see an expansion of the strategic use of history as a tool, going beyond cross-cultural comparison to being an ingredient in various theoretical approaches.

The purpose of the meeting proposed is to assemble senior scholars active in these fields, junior scholars whose work promises to be transformative, and scholars who are ambitious to acquire new approaches while presenting contributed papers on work of their own for comment by their peers.

With a broadly inclusive scope we hope to build on the positive experiences of earlier meeting to continue to build a Chinese and international research community and to build links for the future.

We are deeply convinced that the better understanding of modern mathematical activity that such an approach can yield will be helpful for mathematics education at all levels, and that the presence of researchers with education as a primary focus will enhance this aim.

Practicalities

Registration

Registration Fees (Registration covers the book of abstracts, all the conference sessions, including the banquet and all meals. It does not cover accommodation).

Date	Participators	Students	Accompanying
Before June 30	USD\$ 150	USD\$ 90	USD\$ 120
After June 30	USD\$ 200	USD\$ 120	USD\$ 150

Modalities of payment, to be announced later.

Accommodation

Rooms will be available on campus or near the campus. Precise information will be given in the second circular.

DEADLINES

Title and Abstract

Please send title of your talk to Dr. Wang Chang: heart_cw@126.com, before **15 April 2014**.

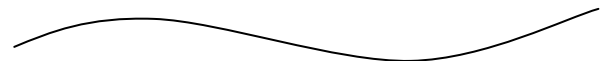
We expect that you send the abstract of your paper by email to Dr. Wang Chang: heart_cw@126.com, before **30 June 2014**. We accept *.doc and *.txt files.

Webpage and Contact persons

Official webpage will be announced.

Dr. Wang Chang, Northwest University, heart_cw@126.com

Prof. Xue Youcai, Zhejiang University of Science and Technology, xueyoucai@126.com



**VII Portuguese-Brazilian Meeting
on History of Mathematics**
(VII Encontro Luso-Brasileiro de
História da Matemática)

October 15-19, 2014
Óbidos, Portugal



The VII Portuguese-Brazilian Meeting on History of Mathematics is the latest of a series of meetings which started in Coimbra, Portugal, in 1993, and since then have taken place regularly, alternately in Portugal and in Brazil. Meeting aims:

- To encourage the exchange between Brazilian and Portuguese researchers working in the History of Mathematics.
- To disseminate and discuss the research conducted in the history of mathematics and/or in relations between History, Epistemology and Education in Mathematics.
- To disseminate the history of mathematics among teachers of all education levels and between undergraduates and graduate students in mathematics, mathematics education, history of science and related fields.

The VII Portuguese-Brazilian Meeting on History of Mathematics is an international event that brings together researchers and those interested in History of Mathematics

from Brazil and Portugal. The organization is a joint initiative of the Brazilian Society of the History of Mathematics (Brazil) and the National Seminar for the History of Mathematics (Portugal). Its goal is to deepen relations between the scientific researchers in this area of the two countries which have a few centuries of common history. For more information see the website <http://www.spm.pt/arquivo/1105>.

The following information is in Portuguese:

Comissão Organizadora Local:

Ana Calçada (Coordenadora local) e Celeste Afonso

Comissão Científica:

Em Portugal: António Canas (Museu da Marinha, Lisboa); Helmuth Malonek (Universidade de Aveiro); Henrique Guimarães (Instituto de Educação, Universidade de Lisboa); Jaime Carvalho e Silva (Universidade de Coimbra); João Caramalho Domingues (Universidade do Minho); José Francisco Rodrigues (CMAF/Universidade de Lisboa); Luís Saraiva (CMAF/Universidade de Lisboa, Portugal) - Coordenador em Portugal.

No Brasil: António Vicente Marafioti Garnica (Universidade Estadual Paulista, Bauru); Carlos Henrique Gonçalves (EACH / Universidade de São Paulo); Iran Abreu Mendes (Universidade Federal do Rio Grande do Norte); Lígia Arantes Sad (Universidade Federal do Espírito Santo); Sérgio Nobre (Universidade Estadual Paulista, Rio Claro) - Coordenador no Brasil; Tatiana Roque (Universidade Federal do Rio de Janeiro); Wagner Rodrigues Valente (Universidade Federal de São Paulo).

Apresentação de Trabalhos: Estão preparadas sessões especiais dedicadas a José Sebastião e Silva, no centenário do seu nascimento, história da Astronomia, história da Lógica e história do Ensino da Matemática. Outras sessões temáticas serão atempadamente anunciadas. Serão considerados trabalhos que digam respeito a quaisquer temas de História da Matemática, e suas vertentes. Enviar resumo (entre 10 e 30 linhas), incluindo bibliografia, para:

Em Portugal:

Luis Saraiva -mmff5@ptmat.fc.ul.pt

No Brasil:

Sergio Nobre - sernobre@rc.unesp.br

Prazo limite para o envio de resumos: 15 de Junho de 2014. As duas partes da Comissão Científica pronunciar-se-ão pela admissibilidade da comunicação, dela informando o/a proponente até ao fim de Junho de 2014.

Inscrição: sócios da SPM, APM ou SBHMat: 70 Euros (210 reais para os participantes vindos do Brasil); não sócios: 90 Euros (270 reais). As inscrições feitas depois de 30 de Junho de 2014 terão um agravamento de cerca de 15%, passando a ser de 80 Euros (240 reais) para sócios e de 104 euros (312 reais) para não sócios. A inscrição inclui a documentação, os coffee-breaks e a excursão que se fará num dos dias do evento. Os alunos de licenciatura ou de mestrado têm um preço especial de 15 Euros (45 reais) (que passarão a ser 17.50 euros ou 52.50 reais após 30 de Junho de 2014), o que inclui a documentação e os coffee-breaks, mas não inclui a excursão.

Prazo limite de inscrição: 15 de Setembro de 2014

CERME 9

February 4-8, 2015

Prague, Czech Republic

The next Congress of ERME will be held in Prague, Czech Republic, February, 4-8, 2015. Local chair will be Nada Vondrova. Program Chair will be Konrad Krainer.

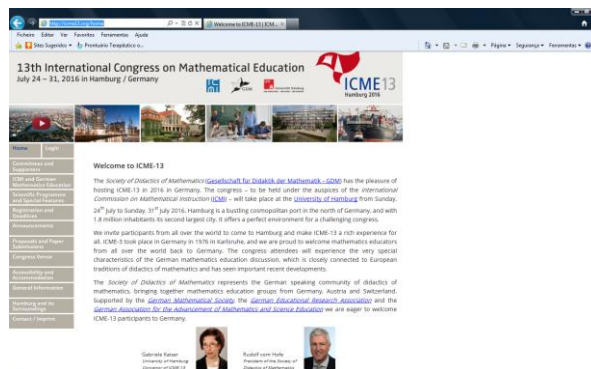
ICME-13

International Congress on Mathematical Education

July 24-31, 2016

Hamburg, Germany

<http://icme13.org/home>



Distributors:

If you wish to be a distributor in a new or unstaffed area please contact the editor.

Area	Name and address	Email address
<i>Argentina</i>	Juan E. Nápoles Valdés, Lamadrid 549, (3400) Corrientes, ARGENTINA	napoles4369@gmail.com
<i>Australia</i>	Gail FitzSimons, 68 Bradleys Lane, Warrandyte, Victoria 3113, AUSTRALIA	gfi@unimelb.edu.au
<i>Austria</i>	Manfred Kronfellner, Institute of Discrete Mathematics and Geometry, Vienna University of Technology, Wiedner Haupstr. 8-10, A-1040 Wien, AUSTRIA	m.kronfellner@tuwien.ac.at
<i>Belgium and The Netherlands</i>	Jan van Maanen, Freudenthal Institute for Science and Mathematics Education, Universiteit Utrecht, Princetonplein 5, Postbus 85170, 3508 AD Utrecht	J.A.vanMaanen@uu.nl
<i>Canada</i>	Thomas Archibald, Mathematics Department, Acadia University, Wolfville, NS B0P1X0, CANADA	Tom.Archibald@acadiau.ca
<i>China</i>	Ma Li, Linkoping University, ITN, SE - 601 74 Norrkoping, SWEDEN	ma_li@mac.com
<i>Eastern Europe</i>		
<i>France</i>	Evelyne Barbin, Centre François Viète, Faculté des sciences et des techniques, 2 Chemin de la Houssinière, BP 92208, 44322 Nantes cedex, FRANCE	evelyne.barbin@wanadoo.fr
<i>Germany</i>	Gert Schubring, Inst. f. Didaktik der Math., Universitaet Bielefeld, Postfach 100 131, D-33501, Bielefeld, GERMANY	gert.schubring@uni-bielefeld.de
<i>Iran</i>	Mohammad Bagheri, P.O.Box 13145-1785, Tehran, IRAN	sut5@sina.sharif.edu
<i>Israel</i>	Ted Eisenberg, Mathematics Department, Ben Gurion University of the Negev, Beer-Sheva 84105, ISRAEL	eisen@math.bgu.ac.il eisenbt@barak-online.net
<i>Italy</i>	Marta Menghini, Dipartimento di Matematica (Universita` La Sapienza), Piazzale A. Moro 5, 00185 Roma ITALY	marta.menghini@uniroma1.it
<i>Japan</i>	Osamu Kota, 3-8-3 Kajiwara, Kamakura Kanagawa-ken, 247-0063 JAPAN	kota@asa.email.ne.jp
<i>Malaysia</i>	Mohamed Mohini, Department of Science and Mathematical Education, Universiti Teknologi Malaysia, 81310 Johor, MALAYSIA	mohini@fp.utm.my
<i>Mexico</i>	Alejandro R. Garciadiego, Caravaggio 24, Col. Nonoalco Mixcoac Del. Benito Juárez 03700 México, D. F. México	gardan@servidor.unam.mx
<i>Morocco</i>	Abdellah El Idrissi, E.N.S. B.P: 2400 Marrakech, C.P: 40 000, MOROCCO	a_elidrissi@hotmail.com
<i>New Zealand</i>	Bill Barton, Mathematics Education Unit, Dept of Mathematics and Statistics University of Auckland, Private Bag 92-019, Auckland, NEW ZEALAND	b.barton@auckland.ac.nz
<i>Other East Asia</i>	Gloria Benigno, Department of Education, Culture and Sports, Region X, Division of Misamis Occidental, Oroquieta City, PHILLIPINES	glorya4444@yahoo.com
<i>Peru</i>	María del Carmen Bonilla, Calle Reni 272, San Borja, Lima 41. Lima, Peru.	mc_bonilla@hotmail.com
<i>Russia</i>	Vasilii Mikhailovich Busev	vbusev@yandex.ru
<i>Scandinavia</i>	Sten Kaijser, Department of Mathematics, P.O. Box 480, SE- 751 06 Uppsala, SWEDEN	sten@math.uu.se
<i>South America</i>	Marcos Vieira Teixeira, Departamento de Matemática, IGCE – UNESP, Postal 178 13 500 - 230 Rio Claro, SP BRAZIL	marti@rc.unesp.br
<i>South Asia</i>	Prof. R. C. Gupta, Ganita Bharati Academy, R-20, Ras Bahar Colony, Jhansi-284003, U.P. INDIA	
<i>South East Europe</i>	Nikos Kastanis, Department of Mathematics, Aristotle University of Thessaloniki, Thessaloniki 54006, GREECE	nioka@auth.gr
<i>Southern Africa</i>	Paulus Gerdes, Mozambican Ethnomaths Research Centre, C.P. 915, Maputo, MOZAMBIQUE	paulus.gerdes@gmail.com

Spain and Portugal	Carlos Correia de Sá, Departamento de Matemática Pura; Faculdade de Ciências da Universidade do Porto; Rua do Campo Alegre, 687 P - 4169 - 007 Porto, PORTUGAL	csa@fc.up.pt
Taiwan	Wann-sheng Horng, Math dept NTNU, 88 Sec.4, Tingchou Rd., Taipei, TAIWAN	horng@math.ntnu.edu.tw
Turkey	Mustafa Alpaslan, ODTU Egitim Fakultesi EF-A37 06800 Cankaya/Ankara TURKEY	amustafa@metu.edu.tr
United Kingdom	Snezana Lawrence, Bath Spa University, Bath, UK	snezana@mathsisgoodforyou.com
United States of America	David L. Roberts, Prince George 's Community College, Largo, Maryland, USA	robertsdl@aol.com

HPM Advisory Board:

Name	Address
Barbin, Evelyne	Universite de Nantes, IREM-Centre Francois Viete, France
Booker, George	Griffith University, Brisbane, Australia
Chorlay, Renaud	IREM, Université Paris 7, 175-179 rue Chevaleret, 75013 Paris, France
Clark, Kathy	Florida State University, Tallahassee, Florida 32306 – 4459, USA
D'Ambrosio, Ubiratan	Pontificia Universidade, Catolica de Sao Paulo, Brazil
El Idrissi, Abdellah	Ecole Normale Suprieure, BP 2400, ENS, Marrakech, CP. 40000 Maroc
Fasanelli, Florence	American Association for the Advancement of Science, USA
FitzSimons, Gail	68 Bradleys Lane, Warrandyte, Victoria 3113, Australia
Furinghetti, Fulvia	Dipartimento di Matematica dell'Universita di Genova, Genova, Italy
Horng, Wann-Sheng	Department of Mathematics, National Taiwan Normal University, Taiwan
Hwang, Sunwook	Department of Mathematics, Soongsil University, Seoul, Korea
Isoda, Masami	Graduate School of Comprehensive Human Science, University of Tsukuba, Japan
Jahnke, Niels	Fachbereich Mathematik, Universität Duisburg-Essen, Germany
Jankvist, Uffe	Aarhus University, Dept. of Education, Denmark
Kaisjer, Sten	Department of Mathematics, University of Uppsala, Uppsala Sweden
Katz, Victor	University of the District of Columbia, Washington, DC, USA
Lawrence, Snezana	Bath Spa University, Bath, UK
Massa-Esteve, Maria Rosa	Centre de Recerca per a la Història de la Tècnica, Matemàtica Aplicada I, ETSEIB, Universitat Politècnica de Catalunya, Av. Diagonal, 647, 08028 Barcelona, Spain
Pengelly, David	Department of Mathematical Sciences, New Mexico State University, Las Cruces, USA
Puig, Luis	Departamento de Didáctica de las Matemáticas, Universitat de València Estudi General, Spain
Radford, Luis	École des sciences de l'éducation, Université Laurentienne, Sudbury, Ontario, Canada
Roque, Tatiana	Universidade Federal do Rio de Janeiro, Brazil
Schubring, Gert	IDM, Universitat Bielefeld, Postfach 100 131, D-33501 Bielefeld, Germany
Siu, Man-Keung	Department of Mathematics, University of Hong Kong, Hong Kong SAR, China
Smestad, Bjørn	Faculty of Education, Oslo University College, Norway
Stein, Robert	California State University, San Bernardino, USA
Tzanakis, Constantinos	Department of Education, University of Crete, Rethymnon 74100, Greece
van Maanen, Jan	Freudenthal Institute, Utrecht University, The Netherlands
Weeks, Chris	Downeycroft, Virginstow Beaworthy, UK
Winicki-Landman, Greisy	Department of Mathematics and Statistics, California State Polytechnic University, USA

Table of contents

Report HPM Chair	1
MAA <i>Convergence</i>	3
ESU – 7	5
Have you read these?	7
Announcements of events	9
Distributors and HPM Adv B	17

The views expressed in this Newsletter may not necessarily be those of the HPM Advisory Board.

Please pass on news of the existence of this newsletter to any interested parties.

This and previous newsletters can be downloaded from our website:

<http://www.clab.edc.uoc.gr/hpm/>

These and other news of the HPM group are also available on the website

<http://groupphm.wordpress.com/>

(the online and on time version of this newsletter).

Items for the Newsletter should be sent to the editors, preferably by email (see addresses below).

The Newsletter appears three times a year with the following deadlines for next year.

No.	Deadline for material	Sent to distributors
86	12 June 2014	1 July 2014
87	12 October 2014	1 November 2014
88	12 February 2015	1 March 2015

The Newsletter is the communication of the International Study Group on the Relations between the History and Pedagogy of Mathematics, an affiliate of the International Commission on Mathematical Instruction.

The Newsletter is free of charge, available upon request from the distributor for your area, and may be reproduced with acknowledgement.

Editors:

Snezana Lawrence, snezana@mathsisgoodforyou.com

Helder Pinto, hbpinto1981@gmail.com

Kathy Clark, kclark@fsu.edu

Luis Puig, luis.puig@uv.es

A note from the Editors

The Newsletter of HPM is primarily a tool for passing along information about forthcoming events, recent activities and publications, and current work and research in the broad field of history and pedagogy of mathematics. The Newsletter also publishes brief articles which they think may be of interest. Contributions from readers are welcome on the understanding that they may be shortened and edited to suit the compass of this publication.