

## **BSHM/CSHPM Draft Programme, 11 June 2021 – Speakers and Titles for *Live Sessions***

This shows the *live* sessions planned. All Q&A sessions are preceded by a slot long enough to watch the pre-recorded presentations (see the accompanying “Timetable” document)

Greyed out entries are not yet confirmed

Sessions are numbered by zoom channel, time *slot*, and sometimes a qualifier, e.g.

1.2(S) = zoom channel 1, time slot 2, symposium

1.3(PS) = zoom channel 1, time slot 3, philosophy-focused symposium

2.3(E) = zoom channel 2, time slot 3, education focused

Times are given as:

BST = British Summer Time, e.g. London (UTC+1)

EDT = Eastern Daylight Time, e.g. Toronto (UTC-4)

PDT = Pacific Daylight Time, e.g. Vancouver (UTC-7)

For those of you in other time zones, some sample differences are:

BRT, ART, e.g. Buenos Aires, Rio de Janeiro (BST-4, UTC-3)

CEST = Central European Summer Time, e.g. Paris, Berlin, Warsaw (BST+1, UTC+2)

EEST, AST, IDT, TRT, e.g. Greece, Finland, Turkey, Iraq (BST+2, UTC+3)

CST = China Standard Time, e.g. Beijing (BST+7, UTC+8)

AEST, e.g. Eastern Australia (BST+9, UTC+10)

NZST, e.g. New Zealand (BST+11, UTC+12)

<b>Mon 12 July</b>				
Time	Session	Titles	Speakers	
13.00 BST, 08.00 EDT, 05.00 PDT		Social Brunch		
13.45 BST, 08.45 EDT, 05.45 PDT		Welcome		
14.00 BST, 09.00 EDT, 06.00 PDT		<b>Plenary 1: Mathematical Memes in the Age of Reason: the limits of understanding and the understanding of limits</b>	<b>Brendan Larvor</b>	
15.00 BST, 10.00 EDT, 07.00 PDT		Activity (e.g. archive session)		
<b>Slot 1</b>  16.00-16.40 BST  11.00-11.40 EDT  08.00-08.40 PDT	1.1 Q&A	From Euclidean to Hilbertian practice: the theories of plane area	Eduardo N. Giovannini	
		The mathematical use of graphic position in C. F. Hindenburg's combinatorial school	Anna Kiel Steensen	
		Title coming	Henrik Kragh Sørensen	
			Continuing Work on Mario Pieri	James T Smith
	2.1 Q&A	Thomas Eric Peet, historian of mathematics	Christopher Hollings	
		Mathematical commentary as a mathematical milieu: being introduced in the world of the Palatine Anthology (10th century CE).	Athanasia Megremi	
		'As if their knots were letters': Uncovering Analogy in Colonial Accounts of Andean Khipu Mathematics	Manuel Medrano	
		Activity?		
<b>Slot 2</b>  17.00-17.40 BST	1.2(S) Q&A	Epistolary Mathematics: Production, negotiation, and circulation of mathematical knowledge in letter correspondence	Dalia Deias, Simon Dumas Primbault, Nicolas Michel and Brigitte Stenhouse	
	2.2 Q&A	Bryn Mawr College, 1885-1940: The People, Places, and Practices that Helped One Institution Thrive	Madeline Polhill	

12.00- 12.40 EDT		Carathéodory, the University of the Aegean, and a Sense of Place	John Barthell and Charlotte Simmons
		On Counting as Mathematical Progress: Kuratowski-Zorn's Lemma and the Path Not Taken	Valerie Therrien
09.00- 09.40 PDT		A geographical seclusion? On the Italian "school" of braids of Oscar Chisini between the 1930s and 1950s	Michael Friedman
		Activity?	
<b>Slot 3</b>  18.00- 18.40 BST	1.3(PS) Q&A	Mathematics and the Dialogue	Deborah Kant, Benjamin Wilck, Jacin Hamami
	2.3(E) Q&A	Life of pie: William Playfair and the advent of statistical diagrams	Chris Pritchard
		Napier's Rules in US H.S. Trigonometry - a history	Geoff Hagiopian
13.00- 13.40 EDT		Corrupt Land Inspectors: Solving equations with picture-language in ancient Mesopotamia, a dialogue	Gavin Hitchcock
10.00- 10.40 PDT	3.3 Q&A	Analysis and Synthesis in Robert Simson's The Elements of Euclid (1756)	Amy Ackerberg-Hastings
		Agnesi vs. Colson: Did Place Matter?	Cynthia Huffman
		From Proclus to Albertus Magnus: Transmission of a collection of "proofs" of Euclid's postulates	Gregg De Young
19.00 BST, 14.00 EDT, 11.00 PDT		<b>Plenary 2: The dynamics of mathematics: A back and forth between concepts and artefacts</b>	<b>Valeria Giardino</b>
20.00 BST, 15.00 EDT, 12.00 PDT		Social Event	

<b>Tue 13 July</b>			
	<b>Session</b>	<b>Titles</b>	<b>Speakers</b>
13.00 BST, 08.00 EDT, 05.00 PDT		Social Brunch	
14.00 BST, 09.00 EDT, 06.00 PDT		<b>Plenary 3: Introducing an historical perspective in mathematical teaching: meaning and practices</b>	<b>Evelyne Barbin</b>
<b>Slot 4</b>  15.00 BST, 10.00 EDT, 07.00 PDT	2.4(E w/shop, 100 mins)	"Entrance into All Obscure Secrets": A workshop on bringing episodes in the history of mathematics to life in the classroom by means of theatre, incorporating a short play set in an ancient Egyptian scribal school. <i>Special Advance Registration Required. Volunteers sought to take the parts</i>	Gavin Hitchcock
		Activity	
<b>Slot 4 (cont)</b> 16.00- 16.40 BST, 11.00- 11.40 EDT, 08.00- 08.40 PDT	1.4(S) Q&A	Informal Formalization	Jenne O'Brien, Henning Heller, Tabea Rohr and David Dunning
	3.4(S) Q&A	British and German applied mathematics around 1900 – some commonalities and some differences as exemplified by Henrici, Whittaker, and von Mises	Reinhard Siegmund-Schultze, June Barrow-Green and Alison Maidment
<b>Slot 5</b> 17.00- 17.40 BST  12.00- 12.40 EDT  09.00- 09.40 PDT	1.5 Q&A	Clairaut Repeals the Inverse Square Law	Lawrence D'Antonio
		Euler's expansion of $\cos x$ function	Piotr Błaszczuk
		Leading to Poncelet: A story of collinear points	Christopher Baltus
	2.5(S) Q&A	The Practices of Mathematical Antiquaries in Early Modern Britain	Richard Oosterhoff, Alexander Corrigan, Lewis Ashman and Louisiane Ferlier
		Activity?	

<b>Slot 6</b>  18.00-18.40 BST  13.00-13.40 EDT  10.00-10.40 PDT	1.6(P) Q&A	Notational naturality in Leibniz and Lagrange	David Waszek
		Formal Rigor and Mathematical Environments	Zoe Ashton
		Feature Language and the History of Algebra	Madeline Muntersbjorn
	2.6(E) Q&A	The role of faculty development in supporting adoption of curricular modules to teach undergraduate (tertiary) mathematics using primary historical sources	Diana White
		Using the Story of Calculus to Teach Differential Calculus	Robert Rogers
		A Story of Real Analysis; An Open Educational Resource Textbook	Eugene Boman
	3.6 Q&A	From the Local to the Global: The Evolution of Statistical Thought and Practice in the Eighteenth Century	Adam Dunn
		"Any scheme of allowing for errors is a makeshift for removing them": Francis Galton, John Venn and the unofficial Cambridge Anthropometric Laboratory	Lukas M. &rgt
		Latin squares at Rothamsted Experimental Station in the time of Fisher and Yates	R. A. Bailey
19.00 BST, 14.00 EDT, 11.00 PDT		<b>Plenary 4: The diaries of Thomas Archer Hirst – Mathematician Xtravagant</b>	<b>Robin Wilson</b>
20.00 BST, 15.00 EDT, 12.00 PDT	Channel 1	Social Event	
	Channel 2	CSHPM Meeting (90 mins)	Craig Fraser

<b>Wed 14 July</b>			
	<b>Session</b>	<b>Titles</b>	<b>Speakers</b>
13.00 BST, 08.00 EDT, 05.00 PDT		Social Brunch	
14.00 BST, 09.00 EDT, 06.00 PDT		<b>Plenary 5: The Scottish Irish Mathematical Trail</b>	<b>Colm Mulcahy</b>
15.00 BST, 10.00 EDT, 07.00 PDT		Activity	
<b>Slot 7</b>  16.00-16.40 BST  11.00-11.40 EDT  08.00-08.40 PDT	1.7 Q&A	Karen Hunger Parshall's Studies on Mathematical Invariance: A Historical-Methodological Approach Based on Transduction	Sandra Visokolskis
		Convergence and Divergence in the Works of François-Joseph Servois	Robert Bradley
		Algebraic versus geometric thought and expression in the early calculus	Viktor Blasjo
	2.7 Q&A	Ghosts of Mathematics Past	Anne Duffee
		Bibliographic globalization in the history and historiography of modern mathematics	Michael Barany
		Greek Women in Mathematics: From Antiquity to AI	Alexandra Kapatou and Mary Gray
	3.7 Q&A	Constantin Carathéodory and the Theory of Canonical Transformations	Craig Fraser
		The mathematical papers of RFA Lee	Duncan Melville
		Pedro Padilla and his Military Course of Mathematics (1753-56): Teaching Higher Geometry in Eighteenth-Century Spain	Monica Blanco
Euler's Construction of a Continued Fraction for e using Differential Equations	Marion Alexander		
<b>Slot 8</b>	1.8(S) Q&A	Linguistic hospitality in mathematical works: Arabic?, Persian? and Sanskrit	Anuj Misra, Hasan Ameni

17.00-17.40 BST	2.8(E) Q&A	Nordic Cooperation on Modern Mathematics at Primary Level 1960-1968	Kristín Bjarnadóttir
12.00-12.40 EDT		Developing an online exhibition of selected mathematical works from Marsh's Library, Dublin: an early modern library through the eyes of undergraduate mathematics students	Maurice O'Reilly
09.00-09.40 PDT		The Genesis of Americanmathematics.org: A People, Places, and Practices Classroom Experience	Dumbaugh & Polhill
		Activity?	
<b>Slot 9</b>	1.9 Q&A	Geometry and analysis in José Anastácio da Cunha's fluxionary calculus	João Caramalho Domingues
18.00-18.40 BST		All the Lines: Cavalieri's "Geometria indivisibilibus" and the End of the Jesuati	Abe Edwards
13.00-13.40 EDT		Mathematics and Morality: A Very Early Manuscript of Colin MacLaurin	David Horowitz
10.00-10.40 PDT	2.9 Q&A	On the first Portuguese book on mathematics	Jorge Nuno Silva and Pedro Freitas
		Early Computations on the Cycloid	Maria Zack
		Reading the Culture of Machines Bordering Early Mechanics and Mathematical Practices: Influential—&—Heritages within the Relationship Physics-Mathematics into History	Raffaele Pisano
		From latitudo formarum to graphs of functions	Daniel Otero
	3.9 Q&A	'Dr Gregory's scheme'. Reforming mathematics at the English universities around 1700	Philip Beeley
		Exploring the Influence of Colin MacLaurin	Sam Riley
		A Cambridge Correspondence Course in Arithmetic for Women	James Tattersall and Shawnee McMurrin
19.00 BST, 14.00 EDT, 11.00 PDT		<b>Plenary 6: People in New Places: The American Mathematical Research Community and the First Wave of Mathematical Émigrés, 1933-1938</b>	<b>Karen Parshall</b>

20.00 BST, 15.00 EDT, 12.00 PDT	Social Event	
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<b>Thu 15 July</b>			
	<b>Session</b>	<b>Titles</b>	<b>Speakers</b>
13.00 BST, 08.00 EDT, 05.00 PDT		Social Brunch	
14.00 BST, 09.00 EDT, 06.00 PDT		<b>Plenary 7: A history of the development of MacTutor</b>	<b>Edmund Robertson &amp; John O'Connor</b>
15.00 BST, 10.00 EDT, 07.00 PDT		Activity	
16.00-16.40 BST	1.10(P) Q&A	Hugh MacColl's Logic: Christine Ladd-Franklin's Remarkable Opinion	Francine Abeles
		Hugh MacColl, mathematical reviewer for "The Athenaeum"	Amirouche Moktefi
		MacColl's reflections on logical notations	Dirk Schlimm
11.00-11.40 EDT	2.10(S) Q&A	Mathematicians, Astronomers and Innovators at the University of St Andrews in the Early Modern Period	Meredith Houlton, Philippe Schmid, Ella Duréault and Pilar Gil
08.00-08.40 PDT	3.10	The Mathematical Network of Nicolaus Granius (1569-1631): Mathesis, Copernicanism and Scribal Technology in Helmstedt	Stefano Gulizia
		Circulation of Auguste Comte's mathematical texts between France, Brazil and Chile at the end of Nineteenth Century	Rogério Monteiro de Siqueira
		Three Generations of Printers and Almanac Authors in Seventeenth Century Mexico	Bruce Burdick
17.00-17.40 BST	1.11 Q&A	Invisible power: journal editors and the publication of mathematics	Jemma Lorenat, Della Dumbaugh, Laura Turner, Sloan Despeaux and Marjorie Senechal.



12.00-12.40 EDT 09.00-09.40 PDT		Activity?	
<b>Slot 12</b>	1.12(S) Q&A	Real Numbers in Transition: aspects of the 18th and 19th centuries	Eduardo Dorrego López , José Manuel Ferreirós Domínguez and Elías Fuentes Guillén
18.00-18.40 BST	2.12 Q&A	Sir William Rowan Hamilton: the influence of the 1880s temperance struggles on his posthumous reputation	Anne Van Weerden
13.00-13.40 EDT		John Cabot --- his places and practices	Harald Gropp
		John Couch Adams - From Neptune to St Andrews	Kenneth Falconer
10.00-10.40 PDT	3.12(S) Q&A	Women in British Computing in the 20th Century	Verity Allan, Mary Monro and Ursula Martin
19.00 BST, 14.00 EDT, 11.00 PDT		<b>Plenary 8: 50 years of the BSHM</b>	<b>Robin Wilson &amp; Raymond Flood</b>
20.00 BST, 15.00 EDT, 12.00 PDT		Conference Close & Final Social	