CHOSTIS Newsletter

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Commission on the
History of Science
and Technology
In Islamic Societies

IUHPST

International Union of History and
Philosophy of Science and Technology

islamsci.org

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1997–2001: Julio Samsó, Spain
1993–1997: S.M.R. Ansari, India
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2 CHOSTIS NEWS

Message from the President

Dear members,

I am honoured to have been elected to serve the membership of CHOSTIS as your President. Your achievements, detailed in the following pages, inspire me to keep working in what we all know is such a challenging field.

It was wonderful to see many of you at the ICHSTM in Rio de Janeiro in July, 2017. The business meeting has led, so far, to two exciting developments (see p. 3 for more information). First, we have revamped our web page (islamsci.org) so that it will function better on devices other than computers. The new web site is also much easier to update. Second, CHOSTIS will be submitting a pre-organized panel or two for the Scientiae 2019 conference in Belfast, Northern Ireland.

As wonderful as it is to see each other in person, conference attendance is difficult for many CHOSTIS members. Thus, the listserv, web site,

and newsletters remain extremely important for our community. We owe Dr. Petra Schmidl our gratitude for her hard work and I was heartened to see how many people wrote back to her with updates.

Please do not hesitate to contact me with comments and concerns.

Sincerely,

Robert Morrison

Message from the Secretary

Dear CHOSTIS members,

Today, you are holding our recent newsletter in hand. Many thanks to all members who supported and accompanied its making by sending me information!

Since the last issue, nearly three years passed. Three years that brought many changes concerning CHOSTIS, but also to academia. Mohammad Bagheri resigned, and I became secretary. The web presentations by members and projects related to our field increased dramatically. For further news, please read and enjoy the CHOSTIS newsletter!

Sincerely,

Petra G. Schmidl

The New CHOSTIS Website

In spring 2018 the new CHOSTIS webpage went online, designed by Thor Berggren and mainly supervised by Robert Morrison. Basic information on our commission and its members are located there, now also properly displayed on mobile devices (islamsci.org).

Establishing a Mid-term Meeting

To promote exchange between the members of CHOSTIS, the general assembly in Rio de Janeiro in July 2017 supported the organisation of a mid-term meeting between two ICHST. This time the governing council decided to join SCIENTIAE with its focus on early modern knowledge (http://scientiae.co.uk/). The conference will be held in Belfast, Northern Ireland, June, 12–15, 2019. The topic of the panel(s) will be discussed on the listserv. The call for papers is here: http://scientiae.co.uk/conferences/belfast-2019/.

3 NEWS IN THE FIELD

Degree of Honorary Doctor

In October, 27, 2017, *Manfred Ullmann* received the degree of honorary doctor by the University of Erlangen-Nuremberg for his lifetime achievement. Hartmut Bobzin honoured the honoree's contribution to Islamic studies and history of Islamic sciences in his laudatory speech. Ulmann's books on Islamic medicine and the natural and occult sciences in Islam are to this day standard reference works.

Deceased

David C. Riesman (b. June 21, 1969, in Dublin, Ireland) passed away on January 2, 2011. His publications widely reflect his great interest in the intellectual history of medieval Arabic philosophy and science (for an obituary see http://mamluk.uchicago.edu/MSR_XVII_2013_al-Rahim_pp1-4.pdf).

Fuat Sezgin (b. October 24, 1924, in Bitlis, Turkey) passed away on June 30, 2018. With his standard reference work „Geschichte des arabischen Schrifttums", he will remain present in most of our members' daily work. As former director of the Institute for the History of Arabic-Islamic Sciences, Frankfurt, Germany, he leaves whose facilities several members used (for an obituary see https://aktuelles.uni-frankfurt.de/gesellschaft/islamwissenschaftler-prof-em-fuat-sezgin-gestorben/).

Institute for the History of Arabic-Islamic Sciences, Frankfurt, Germany

Klaus Zimmermann kindly informed CHOSTIS about the present situation at the Institute for the History of Arabic-Islamic Science at Frankfurt, Germany:

"The Institute for the History of Arabic-Islamic Science at Frankfurt, Germany, will continue after the passing of its founding director, Prof. Dr. Fuat Sezgin. At present, the attorney Dr. Klaus Zimmermann, who was appointed stopgap manager by the Frankfurt district court, is running the Institute on an interim basis.

The maintenance of its rich collection of books, maps, technical devices and musical instruments, witnesses of Arabic science and culture, continues to be in the hands of the staff of the Institute. The

friendly support of former employees and friends of the Institute from among the scholarly community is very much appreciated. The Institute in the Westendstrasse in Frankfurt is open to all interested students and scholars, who would like to make use of the library or are interested in the collection. A phone-call in advance is recommended because of the limited opening hours (Tel. +49-69-7560090).

At present, preparations are being made to appoint a new director of the Institute so that the Institute will be once more in the hands of a qualified scholar in the foreseeable future."

4 Conferences, Workshops & Meetings

In 2017 and 2018

Conference "Science in al-Andalus"

Cordóba, Casa Árabe, 20–22 Sept. 2017 (For more information see p. 28–29 and en.casaarabe.es/event/science-in-al-andalus).

Symposia on ICHST 2017

25th International Congress of History of Science and Technology, Rio de Janeiro, 21–28 July 2017

- CHOSTIS: "Science in Islamic Societies, Globally and Locally", organized by Miquel Forcada & Robert Morrison
- CHAMA: "Local, Regional, and Transregional Perspectives on Ancient and Medieval Astronomy", organised by Alexander Jones
- CHAMA-CHOSTIS: "The Local and the Global in Medieval Islamic Astronomy"
- TAMAS: "Towards a Database of Astronomical Tables"

All symposia were attended by about 30 people (for more details see p. 24–28).

Spring Seminar "New Perspectives in the History of Arabic-Islamic Sciences"

Frankfurt, Institute for the History of Arabic-Islamic Sciences, 23 March 2018, organized by Jan Hogendijk and the Institute for the History of Arabic-Islamic Sciences

The talks cover a broad range of topics including recent investigations conducted by members of the institute and external researchers as well as general reflections on digital humanities and the role of the history of science in Islamicate societies in general university courses on history of science (for more details see p. 30–31).

Upcoming Conferences

Scientiae 2019

The next annual meeting of scientiae will take place in Belfast, Northern Ireland, 12–15 June 2019. CHOSTIS will participate with a panel and invites all members to join.

ICHSEA 2019

The 15th International Conference on the History of Science in East Asia is scheduled for Jeonju, Republic of Korea, 19–23 August 2019.

ICHST 2021

The 26th International Congress on the History of Science and Technology will take place in Prague, The Czech Republic (Czechia), in July, 2021.

5 New Members & News from Members

New Members

CHOSTIS welcomes its new members:

- Amir Mohammad Gamini,
- Rob van Gent and
- Daniel M. Varisco.

Abattouy, Mohammed

Professor of History and Philosophy of Science | Philosophy Department | Faculty of Letters and Humanities | Mohamed Vth University, Rabat

Associate Researcher | SPHERE laboratory | UMR 7219, CNRS, Diderot−Paris 7 University | abattouy.mohammed@gmail.com

Researcher ORCID ID: orcid.org/my-orcid/0000-0001-5921-7376

URL for website "Academia.edu": fshlr.academia.edu/MohammedAbattouy

Academic Activities and Publications

1. Membership in research institutions, of editorial boards, and other professional commitments:

- Associate researcher since February 2018 with SPHERE laboratory of history of science in Paris: UMR 7219 | CNRS | Diderot−Paris 7 University.

- Member since June 2016 of the editorial board of the Moroccan historical journal *Hespéris-Tamuda* (since 1921, published at present by the Faculty of Letters in Rabat). *Hespéris-Tamuda* is indexed by Thomson Reuters Web of Science & Clarivate Analytic. Its ISSN is: 0018-1005.
- January 2015–present: Affiliated with the "Centre National de la Recherche Scientifique et Technique" in Rabat for the evaluation of research projects in social sciences.
- June 2017–present: Affiliated with the Moroccan agency for evaluation of higher education (BA, Master, PhD).

2. Prizes

- King Abdullah ben Abdulaziz International Award for Translation, Eighth Session (December 2015). Category: Translation in natural sciences from Arabic to other languages. Book awarded: *The Corpus of Al-Isfizārī in the Sciences of Weights and Mechanical Devices* (London 2015) [translationaward.org/en/winners.aspx].
- Prize of the Best Book in Social Sciences (Rabat University, February 2016). Book awarded: *The Corpus of Al-Isfizārī in the Sciences of Weights and Mechanical Devices* (London 2015).

3. Mentoring

In the academic years between 2015 and 2019 I supervised and continue to mentor in Rabat University six master monographs and four PhD dissertations. The subjects of the master monographs related to our field are:

- Impact of Ibn al-Haytham's optics in pre-modern European art and science
- Edition of the *Zīj* of Ibn al-Hā'im al-Ishbīlī (fl. c. 1213)
- Non-Aristotelian trends in classical Arabic natural philosophy.

The subjects of the doctoral dissertations related to our field are:

- Patronage as a scientific institution in the classical tradition of Islamic science
- Modes of influence of Arabic astronomy on the genesis of modern astronomical theory.

4. Publications

Books:

Publication of a book (co-author Salim al-Hassani) in Arabic in London in 2013 including the complete critical edition of al-Isfizārī's corpus of mechanics (seven texts), with commentary, introduction, notes, and appendixes:

محمد أبطوي وسليم الحسني : متن المظفَّر الأسفِزاري في عِلمي الأثقال والحيّل : تحقيق نقدي ودراسة تاريخية لنصوص جديدة في تقليد الميكانيكا العربية . لندن : مؤسسة الفرقان للتراث الإسلامي ، 2013 . الكتاب رقم 143 ، الترقيم الدولي : 3-54-905122-1 ، 23+497 صص .

[The Mechanical Corpus of al-Isfizārī in the Sciences of Weights and Ingenious Devices: Critical Edition and Historical Analysis of New Texts in the Tradition of Arabic Mechanics. London: Al-Furqan Islamic Heritage Foundation, 2013. ISBN:1-905122-54-3, Hardback 29 cm, 23 + 497 pp., with jacket].

See on Amazon.uk: www.amazon.co.uk/al-Isfiz%C4%81r%C4%AB-Sciences-Weights-Mechanical-al-Mu%E1%BA%93affar/dp/1905122543/ref=sr_1_2?s=books&ie=UTF8&qid=1477669829&sr=1-2.

See the review by Ahmed ben Mohamed al-Dabian in *The Islamic Quarterly*, vol. 59, n° 4, 2015, 458–463.

Publication of a book in London in 2015 (co-author Salim al-Hassani) including the full English translation of al-Isfizārī's corpus of mechanics with commentaries, notes and appendixes:

*The Corpus of al-Isfizārī in the Sciences of Weights and Mechanical Devices. New Arabic Texts in Theoretical and Practical Mechanics From the Early XIIth Century. English Translation, Partial Analysis and Historical Context***.** London: Al-Furqān Islamic Heritage Foundation, August 2015, 419 pages, 29 cm. ISBN: 1-905122-59-4, Hardback, with jacket.

See on Amazon.uk: www.amazon.co.uk/Al-Isfizari-Sciences-Weights-Mechanical-Al-Muzaffar/dp/1905122594/ref=sr_1_4?s=books&ie=UTF8&qid=1477669829&sr=1-4

See the review by Julio Samsó in *Suhayl. International Journal for the History of the Exact and Natural Sciences in Islamic Civilisation* (Barcelona University), vol. 15 (2017): 367–371.

Articles:

"The Corpus of the Arabic Science of Weights (9th–19th Centuries): Codicology, Textual Tradition, and Theoretical Scope." In: *Essays in Honor of Iraj Afshar*. London: Al-Furqan Foundation, 2017, 229–278.

"The Sciences of Weights and Machines in the Medieval Islamic West" (in Arabic):

علما الأثقال والحيل في الغرب الإسلامي الوسيـط : دراسة في أحد جوانب التقليد العربي في الميكانيكا النظرية والتطبيقية .

In: *Hespéris-Tamuda* (Rabat), vol. 52, n° 2, September 2017, 87–116. [online at: www.hesperis-tamuda.com/fasicule2/5.%20Ilm%C4%81%20al-athq%C4%81l%20wa-%E2%80%98l-%E1%B8%A5iyal%20f%C4%AB%20al-Gharb%20al-Isl%C4%81m%C4%AB%20al-was%C4%AB.pdf].

Review (in French) of: "Kacem Aït Salah Semlali, Histoire de l'alchimie et des alchimistes au Maroc (2015)", *Hespéris-Tamuda* (Rabat),

vol. LII, Fascicule 2, 2017, 459–464. [online at: www.hesperis-tamuda.com/index. php/ derniers-numero/numero-2017-fascicule2/ 435-33].

"Histoire des sciences et NTI: Eclairage préliminaire sur les modalités de présence des sciences arabes classiques dans l'âge électronique." *Bāḥithūn: La Revue Marocaine des sciences sociales et humaines* (Meknès, Morocco), vol. 1, January 2017, 19–32.

"The Corpus of Mechanics of Al-Isfizārī: Its Structure and Significance in the Context of Arabic Mechanics." In: *Micrologus: Nature, Sciences and Medieval Societies XXIV. The Impact of Arabic Sciences in Europe and Asia. Florence*: Società Internazionale per lo Studio del Medioevo Latino/Edizioni del Galluzzo, 2016, 121–172.

"The Mechanical Corpus of al-Isfizārī in the Sciences of Weights and Ingenious Devices." In: *Allah's Automata: Artifacts of the Arab-Islamic Renaissance* (800–1200), edited by S. Zielinski and P. Weibel. Ostfildern (Germany): Hatje Cantz Verlag, 2015, 130–135.

"Sinān ibn Thābit on the Theory of Simple Machines: A New Arabic Short Text of Mechanics in MS Berlin 3306." In: *Al-Mukhāṭabāt* (Kairouan, Tunisia), Issue 13, January 2015, 57–88.

"Ḥiyal," "Al-Jazarī," "Al-Khāzinī" (vol. 1: 288–290, 427–429, 448–451); "Physics," "Thābit ibn Qurra," "Weights" (vol. 2: 120–125, 327–329, 424–426). In: *The Oxford Encyclopaedia of Philosophy, Science, and Technology in Islam*, edited by Ibrahim Kalin. New York: Oxford University Press, 2014, 2 vols.

"*Al-Muẓaffar al-Isfizārī ʿālim al-athqāl wa-'l-ḥiyal…*" [general article in Arabic on al-Isfizārī's bio-bibliography and on his contribution in mechanics]. In: *The Critical Edition of Manuscripts: History, Rules and Problems*. London: Al-Furqan Foundation, 2013, 357–404 [al-furqan.com/our_publications_item/bookid/102745].

Lectures and conferences (selected)

- Conference in the colloquium on Arabic manuscripts organised in Casablanca by Al-Furqan Heritage Foundation (London) in March 2013:
  - تحقيق مخطوطات الإسفزاري في عِلمي الأثقال والحيّل : بناء المتن وتحقيقه واستكشاف دلالته التاريخية.

  See the conference on Youtube: www.youtube.com/watch?v=H3xYg8qSGVw&list=PL1ri262Fg97kZRWqvoPX1rRPdf_w21xwT&index=16&spfreload=10
  - 21–23 January 2014: Lecture at the international colloquium *The Impact of Arabic Sources on Divination and the Practical Sciences in Europe and Asia* organised at the Friedrich-Alexander University Erlangen-Nuremberg in Germany.
  - Lecture: *The Corpus of Mechanics of Al-Isfizārī: Presentation of its Critical Edition and Contents in the Context of Arabic Mechanics* [hsozkult.de/event/id/termine-23910; www.ikgf.fau.de/events/event-history/conferences/2013/2014-01-conference-the-impact-of-arabic-sources-on-divination-and-the-practical-sciences-in-europe-and-asia.shtml].
  - 8–9 February 2017: Two public invited conferences in Alexandria Library in Egypt: (1) *Introduction to history of science* [online at: youtube.com/watch?v=ZOewFp_6Guc&feature=share]; (2) *The history of Arabic sciences and some of its main results* [online at: youtube.com/watch?v=ZOewFp_6Guc&feature=share].
  - 15 April and 16 December 2016 : Two invited lectures in the « séminaire conjoint » *Mathématiques arabes* and *Mathématiques à la Renaissance* of SPHERE laboratory (UMR 7219), CNRS, Paris: *Les textes de la science arabe des poids et des balances: Tradition textuelle et signification historique* [sphere.univ-paris-diderot.fr/spip.php?article1755&lang=fr] ; *Présentation et analyse de la famille des textes arabes sur la balance romaine (*qarasṭūn*) et leur prolongement latin (9ème–13ème siècles)* [sphere.univ-paris-diderot.fr/spip.php?article739&lang=fr].
  - 23 November 2016: Co-organisation of the international workshop organised by Mohamed V University in Rabat and the Centro Interdipartimentale di Ricerca di Filosofia Medievale (Padua University) on *La philosophie à l'Université: la transmission du savoir dans la dynamique culturelle méditerranéenne* [cirfim.unipd.it/la-philosophie-luniversite-la-transmission-du-savoir-dans-la-dynamique-culturelle-mediterraneenne/] Lecture on: « La transmission gréco-arabe des sciences: Genèse, dynamique intellectuelle et contexte global »
  - 12 June 2017: Invited conference at the « Académie des Sciences et des Techniques » in Rabat: *L'histoire des sciences: Une discipline, une méthode et des résultats* [www.academiesciences.ma/fr/activites/detail.php?numero=85%20&%20cas=2].
  - 18 October 2017: Invited conference at the Institute for Advanced Study, School of Historical Studies, Princeton (NJ, USA): *The Corpus of the Arabic Science of Weights: Textual Tradition, Theoretical*

Scope and Significance in the History of Mechanics [www.hs.ias.edu/islamic_world].

- 23–26 octobre 2017: Lecture at the international symposium "Jewish-Christian-Muslim Intellectual Exchanges in the Medieval & Early Modern Mediterranean" organized by the University of Connecticut (Storrs, CT, USA): "Some Hebrew Texts of Arabic Mathematics and Astronomy as Representatives of Intercultural Transmission of Science in Andalus (12th–14th Centuries)." [see the program at: abrahamicprograms.uconn.edu/wp-content/uploads/sites/1468/2017/06/2017.10.26-FINAL-Program-Abrahamic-Symposium.pdf].

Aguiar, Maravillas
maravillasaguiar.academia.edu/

Álvarez Millán, Cristina
Department of Medieval History | UNED | Madrid (Spain) | portal.uned.es/portal/page?_pageid=93,690896&_dad=portal&_schema=PORTAL

Publications

Censo del Fondo Oriental de la Real Academia de la Historia. Manuscritos y Documentos. Vol. 1. Madrid: Comité Español de Ciencias Históricas, Dykinson, 2016. 217 págs. ISBN 978-84-9085-667-3.

"Disease in Tenth-Century Iran and Irak according to al-Razi's Casebook", *Suhayl (Journal for the History of the Exact and Natural Sciences in Islamic Civilization)*, 14 (2015), 49–88. ISSN: 1576-9372.

Ansari, S. M. Razaullah
Former President of IUHPS Commission for Science & Technology in the Islamic World (1993–1997) | Former Professor of Physics | Aligarh Muslim University | Aligarh, India | Current Secretary of Ibn Sina Academy of Medieval Medicine and Science, Aligarh | Raza.Ansari @gmx.net | www.razaullahansari.com

Activities in 2016

"Description of World Calendars in Zījes Compiled in Medieval India", invited talk delivered at the International Conference on the History of World Calendars and Calendar Making, in Commemoration of the 600th Anniversary of the Birth of Kim Dam, held in Yeongju, Korea, Nov. 28–Dec. 3, 2016. Proceedings published by Nha, I.-S., Orchiston, W., and Stephenson, F.R. (eds.), Seoul, 2017, Yonsei University Press, 99–105.

"Reception of Modern Western Astronomy in the 18th–19th Centuries", in *History of Indian Astronomy, A Handbook*, eds. K. Ramasubramanian, Aniket Sule and Mayank Vahia, Tata Institute of Fundamental Research (TIFR), Mumbai (India), 606–622.

"Tradition of Astronomical Science in Medieval India", in *History of Indian Astronomy, A Handbook*, eds. K. Ramasubramanian, Aniket Sule and Mayank Vahia, TIFR. Mumbai (India), 579–605. [This publication was released at the IXth International Conference of Oriental Astronomy (ICOA), held in Pune (India) in Nov. 2016.]

"Astronomy in Medieval India", in Selin H. (ed.), *Encyclopaedia of the History of Science, Technology, and Medicine in Non-Western Cultures*. Springer, Dordrecht, DOI 10.1007/978-94-007-3934-5_10114-2. Printed ed. 2016, 717–726. link.springer.com/content/pdf/10.1007%2F978-94-007-7747-7_10114.pdf

"Ghulām Ḥusain Jaunpūrī", in *Selin H. (ed.), Encyclopaedia of the History of Science, Technology, and Medicine in Non-Western Cultures*. Springer, Dordrecht, DOI 10.1007/978-94-007-3934-5_10124-1. Printed ed. 2016, 2077–2081. link.springer.com/content/pdf/10.1007/978-94-007-7747-7_10124.pdf

"Raja Ratan Singh", in *Selin H. (ed.), Encyclopaedia of the History of Science, Technology, and Medicine in Non-Western Cultures*. Springer, Dordrecht, DOI 0.1007/978-94-007-3934-5_10154-2, Printed ed. 2016, 3690–3694. link.springer.com/content/pdf/10.1007/978-94-007-7747-7_10154.pdf

"A Brief Survey of Sources on Scientific Writings in Urdu, and on the Problem of Urdu Terminology", invited paper read at the Second Urdu Science Congress (Aligarh), Feb. 20–21. The text is under preparation for publication.

Activities in 2015

"Survey of Zijes Written in the Subcontinent", *Indian J. of History of Science* (New Delhi), Jubilee Vol. 50 (2015), No. 4, 575 – 601, and

"Corrections and Additions", IJHS, Vol. 51(2016), No. 3, 560–561.

"Persian Translations of *Kitāb Bārāhī Sang'hitā*", talk presented at the Third Perso-Indica Conference, held at the University of Delhi, during Sept. 3–4.

"The Scientific Method of Ibn al-Haytham", talk delivered at the UNESCO sponsored Conference: "Islamic Golden Age of Science for an Actual Knowlege Based Society: The Ibn al-Haytham Example", held on Sept. 14–16, at UNESCO Headquarter, Paris. Summary published in Wide Angle, 4 Feb. 2016, by UNESCO, Paris. fr.unesco.org/news/sm-razaullah-ansari-methode-scientifique-ibn-al-haytham-s. Noteworthy is that this Conference marked the celebration of 2015 United Nations International Year of Light and Light-based Technologies (IY 2015). In fact the year 2015 marked the millennium that passed since the publication of the great work on optics by Ibn al-Haytham (965–1039).

Bagheri, Mohammad

Scholarly Activities

Papers & lectures

"A History of Gnomonics in Iran" in the XXXVth Scientific Instrument Symposium: "Instruments between East and West", Istanbul, 26–30 September 2016.

"Enumeration of Chemical Isomers: A Link between Mathematics and Organic Chemistry" in the conference on homage to Rhazes, University of Razi, Kermanshah (Iran), 12 Dec. 2017.

"Kushyar ibn Labban (Gilani)" in the Conference on "Astronomical Heritage of the Middle East", Yerevan, 13–17 Nov. 2017.

"The Persian Translation of the *Bījagaṇita* by ʿAṭāʾ Allāh Rushdī" jointly with Zeinab Karimian in the 5th Perso-Indica conference, University of Bonn, 1–2 Feb. 2018.

"The History of π" for the mathematics students in the University of Zanjan (Iran) on 6 March 2018.

"Una storia di gnomonica in Iran" in Aiello (Udine, Italy) on 29 April 2018 on the occasion of the 18th Sundial Party in this town (see www.ilpaesedellemeridiane.com) and again in AFAM (Associazione per l'astronomia e la meteorologia in Friuli) in Remanzacco (Udine) on 30 April 2018.

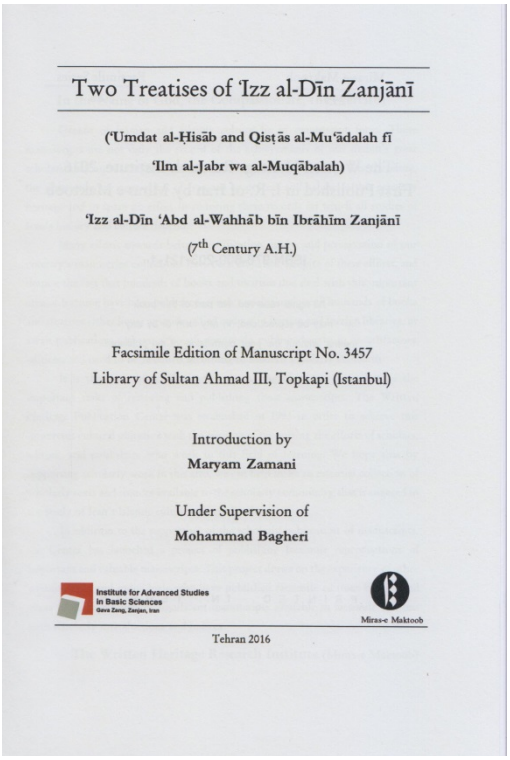
Workshops

Making sundials by origami

- for high school students in Bushehr (Iran) on 21 Feb. 2018.
- for mathematics students in the University of Zanjan (Iran) on 7 March 2018.

Further activities

- continuing chief-editor of the Persian journal *Miras-e Elmi* (Scientific Heritage) since 2012.
- innitiating a private circle for reading Abu Rayhan Biruni's astrology in his *al-Tafhim* with a group of young amateur astronomers interested in history of astronomy/astrology in Rasht (Iran) since September 2017 (other parts of Biruni's work have already been read and discussed in the same circle).
- arranging a scientific project for checking the validity of the functioning of a solar equinox marker built four centuries ago in the village Tarazuj near Khalkhal (Iran), March 2018 (it is built by a disciple of Baha' al-Din ʿAmili).
- supervising the publication of a facsimile edition of a book:



- co-editor and co-supervisor (with Gholam-Hossein Sadri Afshar) of the Persian translation of the entries relating to Islamic civilization in the *Dictionary of Scientific Biography* (part II), inaugurated in 18 January 2017 (Tehran). Part I was published 30 years earlier.
- supervisor of the Master thesis of Mrs. Fatemeh Ganji entitled "Critical Edition, Translation and Annotation on Three Chapters of *Hay'a* Section of Athir al-Din Abhari's *Ghayat al-Idrak fi Dirayat al-Aflak*", Institute for the History of Science, University of Tehran, defended on 5 September 2017.
- Co-editor with Gholam-Hossein Sadri Afshar, Physics as Described by Physicists (a collection of articles on the subject translated into Persian by different translators including the editors), Tehran, 2018.

Publications

"Two Medieval Approaches to the Equation of Time", by E. S. Kennedy, translated into Persian jointly with Marzieh Shams-Yousefi, *Miras-e Elmi* (Scientific Heritage), vol. 5, no. 2 (consecutive no. 10), Autumn 2016–Winter 2017, pp. 35–44.

"Persian Manuscripts in the Institute of Oriental Manuscripts in Saint Petersburg", by Boris Norik, translated into Persian, *Miras-e Elmi* (Scientific Heritage), vol. 5, no. 2 (consecutive no. 10), Autumn 2016–Winter 2017, pp. 111–115.

"Construction of Magic Squares Using the Knight's Move in Islamic Mathematics", by Jacques Sesiano, translated into Persian, *Miras-e Elmi* (Scientific Heritage), vol. 5, no. 1 (consecutive no. 9), Spring–Summer 2016, pp. 52–72.

"Persian Scientific Manuscripts Preserved in Matenadaran", by Kristine Kostikyan, translated into Persian, *Miras-e Elmi* (Scientific Heritage), vol. 5, no. 1 (consecutive no. 9), Spring–Summer 2016, pp. 113–120.

"Spherical Trigonometry in Kushyar ibn Labban's *Jamiʿ Zij*", by Jan Lennart Berggren, translated into Persian, *Miras-e Elmi* (Scientific Heritage), vol. 4, no. 2 (consecutive no. 8), Autumn 2015–Winter 2016, pp. 55–70.

"An Excerpt from the CV of Prof. Moustafa Mawaldi" (in Persian), *Miras-e Elmi* (Scientific Heritage), vol. 4, no. 2 (consecutive no. 8), Autumn 2015–Winter 2016, pp. 86–94.

"Western Studies on Kushyar ibn Labban al-Gili", by Jan P. Hogendijk, translated into Persian jointly with Marzieh Shams-Yousefi, *Miras-e Elmi* (Scientific Heritage), vol. 4, no. 1 (consecutive no. 7), Spring–Summer 2015, pp. 76–91.

"An Early Link of the Arabic Tradition of Practical Arithmetic", by Ulrich Rebstock, translated into Persian, *Miras-e Elmi* (Scientific Heritage), vol. 3, no. 1 (consecutive no. 5), Spring–Summer 2014, pp. 131–137.

"History of Mathematics in the Islamic World: The Present State of Art", by Jan Lennart Berggren, translated into Persian jointly with

Fatemeh Savadi, *Miras-e Elmi* (Scientific Heritage), vol. 2, no. 2 (consecutive no. 4), Autumn 2013–Winter 2014, pp. 5–36.

"Kushyar ibn Labban's Mathematical Approach in His Astronomical Handbook", in Paravicini Bagliani, Agostino Agostino (ed.), The Impact of Arabic Sciences in Europe and Asia (*Micrologus* XXIV), Firenze 2016, 303–310.

Berggren, J. Lennart

Publications

Episodes in the Mathematics of Medieval Islam (Second edition). New York: Springer, 2016. (In addition to a revision of the first edition with expanded coverage of mathematics in al-Andalus and the Maghrib the second edition contains a new chapter "Number Theory and Combinatorics in the Islamic World.")

Chapter 3 ("Mathematics in the Islamic World in Medieval Spain and North Africa") in *Sourcebook in the Mathematics of Medieval Europe and North Africa*, (V. Katz, ed.) Princeton, NJ: Princeton University Press, 2016, 381–548.

Contributed talk

"al-Bīrūnī's Mappings of the Earth and the Heavens" in a session CHOSTIS sponsored at the International Congress of the History of Science, Technology and Medicine held in Rio de Janeiro, July, 2017.

Website (revised as of 2016)

www.math.sfu.ca/~berggren/

Bier, Carol

works.bepress.com/carol_bier/

Former and upcoming conferences:

"Geometry in Islamic Art," at Logics of Image conference in Kolymbari, Crete, 11–18 August 2018

Association for the Study of Persianate Societies, Tbilisi, Georgia, 15–18 March 2018

Recent publications (2017)

Book:

Reverberating Echoes: Contemporary Art Inspired by Traditional Islamic Art. Graduate Theological Union, Berkeley.

Articles:

Algorithmic Aesthetics: Redefining Traditional Islamic Art, Bridges Waterloo 2017: *Mathematics, Art, Music, Architecture, Education, Culture – Conference Proceedings*, ed. D. Swart, C. Séquin, and K. Fenyvesi. 419–22. Phoenix, AZ: Tessellations Publishing.

Reframing Islamic Art for the 21st Century, Horizons in Humanities and Social Sciences 2/2, 1–25. Available on-line at works.bepress.com/carol_bier/89/

The Suzani Collection of Doris Duke at Shangri La in Honolulu, Hawai'i, book chapter in *Embroideries and Carpets of Uzbekistan in Foreign Collections*, ed. Elmira Gyul. 287–313. Part of a series of books dedicated to the 25th Anniversary of the Republic of Uzbekistan, Uzbek Academy of Sciences, Tashkent.

Foreword, in Overturning Certainties: A Festschrift Presented to *K. Aslıhan Yener in Honor of Forty Years of Field Archaeology in the Eastern Mediterranean*. Eds. Çiğdem Maner, Mara Horowitz and Allan S. Gilbert. ix–xii. (Leiden: Brill).

Alloys and Architecture: Periodic and Quasiperiodic Patterns in Sinan's Selimiye in Edirne, in Overturning Certainties: *A Festschrift Presented to K. Aslıhan Yener in Honor of Forty Years of Field Archaeology in the Eastern Mediterranean*. Eds. Çiğdem Maner, Mara Horowitz and Allan S. Gilbert. 82–100. (Leiden and Boston: Brill).

Geometry made manifest: Reorienting the historiography of ornament on the Iranian Plateau and beyond, in *The Historiography of Persian Architecture*, ed. M. Gharipour, 41–79. (London: Rutledge).

Reviews:

Bridges 2017 Mathematical Art Exhibitions, *Journal of Mathematics and the Arts* 12/1 (2018), 44–50.

Tashkent/Samarkand Academic Congress, The Cultural Legacy of Uzbekistan in World Collections (with M. Hardy), *Textile Society of America Newsletter* 29/2 (Fall 2017), 30–31.

Canavas, Constantin

Publications 2015/17

Compass. *The Encyclopaedia of Islam, Third edition* (EI³), Part 2015-3, Leyden: Brill 2015, 67–70.

Revisiting Arabic sources on mining and metallurgy in medieval Crete. In: I. Gavrilaki & M. Troulis (eds.): *Proceedings of the 11th International Conference on Cretan Studies*, Rethymno/Crete, 21–27 October 2011, Vol. B, Rethymno/Crete 2015.

Hui People (Huizu). In: *Encyclopedia of the Bible and its Reception* (EBR). Berlin: De Gruyter 2015.

Qanāt in literature: Stories of cultural heritage and social struggles. In: A. A. Semsar Yazdi & A. R. Bahri (eds.): *Proceedings of the 2nd IWA Workshop on Evolution of Qanat and Relevant Hydraulic Technologies*, Yazd, Iran, 8–10 November 2015. Yazd: UNESCO – International Center on Qanats and Historic Hydraulic Structures 2015, 191–198.

Sugar production in medieval Crete: A historical perspective. In: Konstantinos D. Politis (ed.): *Proceedings of the International Conference "The Origins of the Sugar Industry and the Transmission of Ancient Greek and Medieval Arab Science and Technology from the Near East to Europe*, Athens 23 May 2015". Athens: National and Kapodistriako University of Athens 2015, 167–180.

Potentials of the touristic promotion of traditional technologies: Comparing concepts of preserving and exhibiting underground water channels (kārez) in Turfan (Xinjiang/China) and Yazd (Iran). In: *Proceedings of the 12th Conference on the History of Science and Technology in the Chinese Minority Nationalities*, Kunming, July, 21–25, 2016. Kunming 2016, 9–18.

Do apes know about their origin? Narratives of animals emerging during fall in an Islamic context. In: Zohar Hadromi-Allouche (ed.): *Fallen Animals: Art, Religion, Literature*. London: Lexington Books 2017, 107–121.

Al-Jazarī's compendium of ingenious devices: A model of representing and communicating technical knowledge in a medieval Islamicate context. In: L. Hilaire-Péerez, V. Nègre, D. Spicq. K. Vermeir (eds.): *Le livre technique avant le XXe siècle*. À l'échelle du monde. Paris: CNRS Èditions 2017, 71–82.

Casulleras, Josep

Conference presentations

"The Attribution to Ptolemy of Methods for Solving Astrological Problems in Medieval Arabic Sources" at the *First Ptolemy Conference: Ptolemy's Science of the Stars in the Middle Ages.* Organized by The Warburg Institute (London) and the Ptolemaeus Arabus et Latinus (PAL) Project. London, The Warburg Institute 5–7 November 2015

"From Ancient to Modern: Astronomy in Medieval Islam" at *Astronomy Across the Medieval World One-Day Conference*. Organized by St Cross Centre for the History and Philosophy of Physics, University of Oxford, Oxford 18 November 2017 (video: https://www.youtube.com/watch?v=l51wlA3q_7Q)

Symposium organization

With Alexander Jones, "S-4 – Local, regional, and transregional perspectives on ancient and medieval astronomy", *25th International Congress of History of Science and Technology* (ICHST), Rio de Janeiro, Brazil, from 23 to 29 July 2017. Commission on the History of Ancient and Medieval Astronomy

Editorship

With Julio Samsó, *Suhayl. International Journal for the History of the Exact and Natural Sciences in Islamic Civilisation*, vols. 14 (2015) and 15 (2016–2017). Available here: https://www.raco.cat/index.php/Suhayl

Reviews

"Charles Burnett and Dorian Gieseler Greenbaum (eds.) From Māshā'allāh to Kepler: Theory and Practice in Medieval and Renaissance Astrology. Sophia Center Press, University of Wales, Trinity Saint David. Ceredigion, 2015. XX + 529 pp." at *Suhayl* vol. 15, pp. 357–361

"*Epistles of the Brethren of Purity*. *On* Astronomia: *An Arabic Critical Edition and English Translation of Epistle* 3, edited and translated by F. Jamil Ragep and Taro Mimura, Foreword by Nader El-Bizri, Oxford University Press in association with The Institute of Ismaili Studies, 2015, xxvi + 162 + 164 pages (Arabic text paginated separately)."

To appear in the next volume of *Archives Internationales d'Histoire des Sciences*

Dalen, Benno van

The project *Ptolemaeus Arabus et Latinus* at the Bavarian Academy of Sciences and Humanities in Munich, Germany expects to publish online the first descriptions of manuscripts of Arabic Ptolemaic works (some of these accompanied by scans of the manuscripts) during the summer of 2018. These will appear on the project website at ptolemaeus.badw.de/, where also further information about the project may be found.

Fancy, Nahyan

My webpage can be accessed here: sites.google.com/a/depauw.edu/nahyan-fancy-personal-webpage/

Since April 2015, I have published the following works and received the following award:

Award

Membership, School of Historical Studies, Institute for Advanced Study, Princeton, NJ, Fall 2015.

Publications

"Anatomy," in *1001 Cures: Contributions in Medicine and Healthcare from Muslim Civilisation*, ed. Peter Pormann (Manchester, UK: FSTC, 2018), 42–51.

"Medicine and Religious Scholarship," in *1001 Cures: Contributions in Medicine and Healthcare from Muslim Civilisation*, ed. Peter Pormann (Manchester, UK: FSTC, 2018), 176–185.

"Post-Avicennan Physics in the Medical Commentaries of the Mamluk Period," *Intellectual History of the Islamicate World* 6 (2018): 55–81.

"Womb Heat versus Sperm Heat: Hippocrates against Galen and Ibn Sīnā in Ibn al-Nafīs's Commentaries," *Oriens* 45 (2017): 150–175.

Review Essay: The Medieval Islamic Hospital: Medicine, Religion, and Charity, by Ahmed Ragab, *Nazariyat: Journal for the History of Islamic Philosophy and Sciences* 3 (1), 2016: 109–118 (Turkish) and 137–146 (English)

"Arabic Scientific Tradition," *Qatar Digital Library* (qdl.qa), Articles from Experts.

I also have the following two publications in press:

"Galen and Ibn al-Nafīs," for *Companion to the Reception of Galen*, eds. Petros Bouras-Vallianatos and Barbara Zipser (Leiden: Brill, expected late 2018).

"Generation in Medieval Islamic Medicine" in *Reproduction: from Antiquity to the Present*, eds. Nick Hopwood, Rebecca Flemming and Lauren Kassell (Cambridge: Cambridge University Press, expected late 2018).

I was also invited to give the following endowed lectures:

"Medical Commentaries and the Transmission of Knowledge Across Western Eurasia, 1200–1560," Richard E. Geiger Lecture, St. Ambrose University, Davenport, IA, November 2, 2017.

"Transforming Galenic Medicine after Avicenna: Medical Commentaries and the Developments in Pulse and Humoral Theory, 1200–1560," NEH Center for Humanities and Medicine Speaker Series, Ivy Tech Community College, Terre Haute, IN, Sep. 12, 2017.

Gamini, Amir-Mohammad

Institute for the History of Science | University of Tehran | Tel. (direct): +98 (21) 02188993016 | email: amirgamini@ut.ac.ir | Website: https://rtis2.ut.ac.ir/cv/amirgamini/?lang=en-gb

New Publications

"Quṭb al-Dīn al-Shīrāzī and the Development of non-Ptolemaic Planetary Modeling", (2017), *Arabic Sciences and Philosophy*, 2 (2017): 165–203.

"A Study of Quṭb al-Dīn al-Shīrāzī's Role in Optics", *Iranian Journal for the History of Islamic Civilization*, 48 (2), 2016

"Ghīyāth al-Dīn Manṣūr Dashtakī's *Al-Safīr fī al-Hayʾa*: an Abridged Treatise in "Hayʾa" of Safavid Period", *Tarikh-e Elm: Iranian Journal for the History of Science*, 13 (1), 2013 [published 2017]

Enamel Circles: A History of Cosmology in Islamic Civilization, Tehran: Hekmat, 2016.

New Prizes:

- Prize for Young Scholars (2017), given by International Union of the History and Philosophy of Science and Technology / Division of History of Science and Technology (IUHPST/DHST)

- Ihsanoglu Prize (2017), given by ISAR Foundation
- Farabi Prise (2016), given by the Iranian Ministry of Sciences.

New Presentations

"Ancient Mechanical Instruments and the Mechanical World View: Greek, Islamic and the Modern Science." XXXV Scientific Instrument Symposium Istanbul, 26–30 September 2016 'Instruments between East and West', İSTANBUL.

"Natural Philosophy and Planetary Models: Ibn al-Rushd, Ibn al-Haytham and their Followers." Physis within Arabic Mathematical Astronomical Texts, Paris. 2016

"Isfahani vs. Darwin: A Muslim Reception of the Theory of Evolution." 25th International Congress of History of Science and Technology, Rio de Janeiro. 2017

"The Teaching of Muhammad-Reza Isfahani's A Criticism of Darwin's Philosophy in Qom." Science Teaching in Transition in the 18th–19th c. Islamic World, İSTANBUL. 2017

Giahi Yazdi, Hamid-Reza

Promotion

I have been promoted from "Assistant Professor" rank to "Assocciate Professor" at the History of Science Dept., Encylopaedia Islamica Foundation, Tehran, Iran (March 2018).

International Articles

"Chronology of the events of the Samaqand Observatory and School, based on some old Persian texts: a revision", *Suhayl* 2015, 145–165 (with Pouyan Rezvani).

"Ibn Yūnus' Report on early Islamic observations for determining the rate of Precession of Equinoxes", *Suhayl* 2016–2017, 101–112.

"The Mysterious table of lunar crescent visibility attributed to Al-Bīrūnī and Ḥabash Al-Ḥāsib's contribution", *Archive for History of Exact Sciences* vol. 72, issue 1, Jan 2018, 89–98.

Encyclopedia Articles

Encyclopaedia of the World of Islam (in Persian):

Raṣad-ha, Raṣadgarān va Raṣadkhaneha "Observations, observers and observatories in astronomy of the Islamic Period (including 4 parts), vol. 20, 1394H.S./2015, 46–61 (with Pouyan Rezvani).

"Rosenfeld" (Russian historian of Islamic mathematics), vol. 20, 1394 H.S./ 2015, 546–547.

Saraṭān "Cancer" (constellation), vol. 22, 1396H.S/ 2017, 329–332.

Safīna "Argo" (constellation), vol. 23, 1396H.S./2017, 729–731.

Sunbula "Virgo" (constellation), vol. 24,1397 H.S/2018, 672–674.

Hehmeyer, Ingrid

Publications

Books (accepted and forthcoming in Dec. 2018):

History of Water Engineering and Management in Yemen: Material Remains and Textual Foundations. (Handbook of Oriental Studies, Section 1: The Near and Middle East). Leiden: Brill.

Chapters in books:

2016. Medicinal Plants and Their Uses in Classical Arabic Medicine: An Example from Book II of Ibn Sīnā's *Kitāb al-Qānūn fī al-ṭibb*. Pages 41–57 in: Ş. Güldütuna and D. Quintern (eds.), *Ibn Sīnā's* Qānūn fī al-Ṭibb*: History, Tradition, Relevance* (Gülhane Studies, 1). Istanbul: Prof. Dr. Fuat Sezgin Research Foundation for the History of Science in Islam.

2017. The Configuration of the Heavens in Islamic Astronomy. Pages 1083–1098 in S. Günther and B. T. Lawson (eds.), *Roads to Paradise: Eschatology and Concepts of the Hereafter in Islam* (Islamic History and Civilization, 136). Leiden: Brill.

2017. *Majil* and *Birka*: Cisterns in the Western Highlands of Yemen. Pages 157–163 in T. H. J. Marchand (ed.), *Architectural Heritage of Yemen: Buildings that Fill My Eye*. London: Gingko.

Papers in refereed conference proceedings:

2017. The 'Iranian Syndrome' Revisited: The Question of Technology Transfer or Local Development in Hydraulic Engineering. Pages 103–114 in W.Y. Al Tikriti and P.A. Yule (eds.), *Proceedings of Water & Life in Arabia Conference 14th–16th December, 2014*. Abu Dhabi: Tourism and Culture Authority.

Other important information

Since 2012, the Istanbul-based Prof. Dr. Fuat Sezgin Research Foundation for the History of Science

and Technology in Islam www.ibtav.org/ has conducted an annual International Summer School in collaboration with the Istanbul Museum for the History of Science and Technology www.ibttm.org/ENG/. For one week in May or in August, a group of international students and young researchers from a variety of backgrounds meet for a practical and material culture-based approach to history of science and technology. The collections of the museum form an integral part of the programme. Topics change from year to year. The teaching language is English, and students receive a certificate after completion of the summer school. Ingrid Hehmeyer is a regular contributor to the programme. In May 2017, the topic of the summer school was "Water is Life".

Kaadan, Abdulnaser

Abdulnaser Kaadan, Prof. of History of Islamic Medicine, at Aleppo University, Syria. Because of the dreadful war there, left his country in 2015, and began his work at Abant Izzet Baysal University in Bolu, Turkey, as professor of history of Islamic medicine. Then, at the beginning of 2017, he left Turkey to USA, to work in Weber State University, UT-USA, as an International Visiting Professor. Professor Kaadan is still the president of the International Society for History of Islamic Medicine (www.ishim.net)

Teaching

In the academic year 2017–2018 he taught in Weber State University courses on history of medicine, history of science, history of the Middle East, and Islamic civilization.

He taught in University of Utah courses on history of medicine, and Islamic civilization.

Attendance with papers in these activities

The Second-High Level Consultation Meeting on HIV in Conservative Social Settings, Bahçeşehir University, Istanbul-Turkey, 30–31 January 2016.

Khan, Gulfishan

M. A. M. Phil., AMU, D. Phil (Oxford) | Associate Professor in Medieval Indian History | Centre of Advance Study | Department of History | Aligarh Muslim University, Aligarh | Residence: 30B: Silver Oak Avenue | Street No. 4 | Dhorra Mafi, Aligarh | gulfishankhan@gmail.com | Mobile: 9634434611

Degrees obtained

- D. Phil. (History), University of Oxford, 1993
- M. Phil. (History), Aligarh Muslim University, Aligarh 1984
- M. A. (History), Aligarh Muslim University, Aligarh 1981
- B. A. History, Aligarh Muslim University, Aligarh 1979

Teaching Experience

- As Reader/Associate Professor (since September 2003)
- As Lecturer (from 8 February 2000)
- As Research Associate (6 February 1996–4 May, 1998)
- Indo-Persian and Urdu speaking elites discourses on the Modern European Sciences, in a Conference on Emergence of Modern Science in Colonial India, Indian National Science Academy, New Delhi, 14–16 March 2018
- Sayyid Ahmad Khan and New Astronomy in International Seminar on Commemorating Sir Syed Ahmad Khan: A Historian, Intellectual and Man of Reason, organized by the Centre of Advance Study, Department of History, Aligarh Muslim University, Aligarh, 29th Jan.–1st February 2018
- "Mulla Farid al-Din ibn Hafiz Ibrahim Dehlawi: The Question of Scientific Modernity", XXV International Congress of History of Science and Technology, International Union of History of Philosophy of Science and Technology/ Division of History of Science and Technology, Federal University of Rio de Janeiro (*Universidade Federal do Rio de Janeiro*, or *Universidade do Brasil*), in Rio de Janeiro, Brazil, 23–29 July 2017.
- Astronomy and the Indo-Persian Literature during Medieval Period/Astronomical Studies in Mughal Court Culture, IX International Conference on Oriental Astronomy, Indian Institute of Science Education and Research, Pune, November 14–19, 2016
- The 25th International Congress of History of Science and Technology (IUPHS/DHST): A Report, *Indian Journal of History of Science*, 52.4 (2017), 502–7

Kheirandish, Elaheh

(Harvard University)

Publications

"An Early Tradition in Practical Geometry: The Telling Lines of Unique Arabic and Persian Sources," In *The Arts of Ornamental Geometry: A Persian Compendium on Similar and Complementary Interlocking Figures, Studies and Sources in Islamic Art and Architecture: Supplements to Muqarnas: An Annual on the Visual Cultures of the Islamic*

World 13. Brill: Leiden and Boston, 2017: 79–144.

"Astronomical Poems from the 'Four Corners' of Persia (c. 1000–1500 CE) in *Essays in Islamic Philology, History, and Philosophy*, edited by Alireza Korangy, Wheeler M. Thackston, Roy P. Mottahedeh and William Granara, Berlin/ Boston: De Walter de Gruyter GmbH: Studies in the History and Culture of the Middle East 31, 2016: 51–90.

"Light and Dark: The 'Checkered History' of Early Optics." In *God Is the Light of the Heavens and the Earth: Light in Islamic Art and Culture*, edited by Jonathan Bloom and Sheila Blair, New Haven: Yale University Press, 2015: 61–85.

King, David A.

David A. King (Frankfurt) announces various new studies that are downloadable along with most of his earlier publications at www.davidaking.academia.edu. These include:

"What is an astrolabe and what is an astrolabe not" (2018), in two very distinct parts. The first is an updated account of the state of the art, with a detailed bibliography. The second is a survey of the rubbish about the astrolabe that one can find on the internet, written mainly by people who have never seen a real astrolabe and who have no idea it works. Make sure to get the latest version.

"Astronomy in medieval Jerusalem" (2018), an account of the astronomical tables that were prepared in the 14th century for use in Jerusalem: a corpus of tables with 20,000 entries for timekeeping by the sun and for regulating the astronomically-defined times of Muslim prayer. The study is based on manuscripts now preserved in Leipzig, Princeton and Cairo. Timing was perfect. The study is also available on www.muslimheritage.com/article/ astronomy-medieval-jerusalem.

"The Byzantine astrolabe of 1062" (2018 < 2007). This splendid instrument preserved in Brescia has been much maligned in modern scholarship, notably in studies of Byzantine astronomy (where it is sometimes even ignored!) but now also beyond into the literature on the history of instrumentation. It is falsely maintained that the piece is not really Byzantine because it was made for a high government official of Persian extraction (!) and because it shows Islamic influence (considered by Byzantinists to be a bad thing). In fact, it shows no Islamic influence whatsoever in its design and decoration (until one realizes that the star-positions are too accurate to be anything other than based on Islamic sources). Also we now know that the Byzantine astrolabe was brought from Constantinople to Italy by Cardinal Bessarion, who showed it to the young German astronomer Regiomontanus in Vienna. In Rome in 1462 Regiomontanus was inspired to present a spectacular new astrolabe that he had made for his Greek patron to celebrate the 400-year anniversary of the 1062 astrolabe.

"From Petra back to Mecca – From 'Pibla' back to Qibla" (2017), on academia.edu and on www.muslimheritage. com/article/from-petra-back-to-makka. This is a review of an off-the-wall claim by Canadian archaeologist Dan Gibson that all early mosques are deliberately aligned to face Petra rather than Mecca. Gibson comes to this conclusion by comparing the orientation of close to 50 mosques with the actual directions of Petra and Mecca. Petra wins, which confirms Gibson's belief that Islam began in Petra rather than Mecca. The reviewer considers the same mosques and shows that they actually 'face' neither Petra nor Mecca (modern directions are irrelevant anyway). Rather, most of them were laid out in the qibla towards the astronomically-oriented Kaaba in Mecca using astronomical horizon phenomena. Some, of course, were laid out on the foundations of pre-Islamic architecture, which was inevitably cardinally or solstitially aligned. This time Petra really loses out.

"The enigmatic orientation of the Great Mosque of Córdoba explained" (2017). The major mosque of the Western Islamic world faces the deserts of Algeria rather than the deserts of Arabia. In past decades a remarkable amount of effort has been expended to explain this, but with no success. In fact, the Mosque was laid out in the solstitially-aligned street-plan of the Colonia Patricia, the main suburb of Roman Corduba, the latter itself cardinally aligned. The apparently curious orientation of the Mosque fitted comfortably into several medieval Islamic schemes of sacred geography, in which the qibla in al-Andalus was 'parallel' to the major axis of the Kaaba, aligned with the rising of Canopus. In this way, the prayer-wall of the Mosque is happily 'parallel' to the North-West wall of the Kaaba.

The facility of access to the academia site has also encouraged King to put on it the text of his catalogue of medieval Islamic and European astronomical instruments (to ca. 1500). For various reasons, the text was never completed; what is available here dates from the 1990s and has not been updated or corrected since. It is hoped that nevertheless this will serve as a useful research tool. Alas, for reasons of copyright, no illustrations can be included, but, in some cases, these can be provided by the author for serious researchers.

Finally, a video is available of two lectures delivered at al-Furqan Foundation in London in March of 2018. One is entitled "Astronomy in the service of Islam" and the other "Astronomical instruments from the European Renaissance and earlier examples of the same instruments". They can be downloaded at www.al-furqan.com/gallery/ id/2668/filetype/vide.

Langermann, Tzvi

biu.academia.edu/TzviLangermann

Marcotte, Roxanne D.

Webpages

Professeure titulaire (Professor) | Université du Québec à Montréal, UQAM:

- religions.uqam.ca/professeur?c=marcotte.roxanne

Honorary Research Senior Fellow | Studies in Religion | The University of Queensland, UQ:

- hapi.uq.edu.au/profile/363/roxanne-marcotte

And my "Academia.edu" webpage:

- uqam.academia.edu/RoxanneDMarcotte

Publications

Along one publication/translation (Arabo-Persian philosophy):

2016. Suhrawardi [Persian trans. by Saʿīd Anvārī] (Tehran: Quqnūs), 83

And three forthcoming chapters in "Noétique et théorie de la connaissance dans la philosophie arabo-musulmane des IXe–XVIIe siècles", sous la direction de Meryem Sebti and Daniel De Smet (Études musulmanes; Paris, Vrin, à paraître):

"L'intellect chez Shihāb al-Dīn al-Suhrawardī (mort en 587/1191)",

"L'intellect chez Abū al-ʿAbbās al-Lawkarī (mort après 503/1109)",

"L'intellect chez Abū al-Barakāt al-Baghdadī (mort vers 547/1152)".

Morrison, Robert

Book

The Light of the World: Astronomy in al-Andalus. Berkeley and Los Angeles: The University of California Press, 2016. 429 + xiv

Edited book

Texts in Transit: *Intellectual Exchange in the Eastern Mediterranean*, co-edited with Y. Tzvi Langermann. University Park, PA: Pennsylvania State University Press, 2016. 264 pp.

Articles and chapters

"The Position of the Jews as Scientific Intermediaries in the European Renaissance," in F. Jamil Ragep & Rivka Feldhay (eds.): *Before Copernicus* (McGill-Queens University Press, 2017): 198–214

"Religion and Science in the Eastern Mediterranean," *Isis* XVII (2016): 579–82

"Mūsā Cālīnūs' Treatise on the Natures of Medicines and Their Use," in *Nazariyat* III,1 (2017): 77–136

"The Role of Oral Transmission for Astronomy Among Romaniot Jews," in Langermann & Morrison (eds.), *Texts in Transit* (University Park: Pennsylvania State University Press, 2016), 10–28

Oakes, Jeff

Jean Christianidis and I are working on a book on Diophantus to be published by Routledge. We will spend the month of May working together on it in France, at Fondation des Treilles and CIRM (Marseilles). On June 2 we will give a presentation at Centre Koyré in Paris.

My recent publications

"Arithmetical proofs in Arabic algebra" to appear any day now in Actes du 12ème Colloque Maghrébin sur l'Histoire des Mathématiques Arabes (Marrakech 26 au 28 mai 2016). (215–238).

"François Viète's revolution in algebra" *Archive for History of Exact Sciences* (2018, 58 p., published online April 16).

"Ibn al-Bannāʾ al-Marrākushī" *Encyclopedia of Islam 3* (2018).

Book review: "Episodes in the Mathematics of Medieval Islam, J. L. Berggren". *Nazariyat* 4 (2017), 167–171.

"Irrational coefficients in Renaissance algebra" *Science in Context* 30 (2017), 141–172.

Ragep, F. Jamil

Canada Research Chair in the History of Science in Islamic Societies | McGill University | Montreal, Quebec, Canada

Websites

Professional Website:

- www.mcgill.ca/islamicstudies/people-0/faculty-members/jamil-ragep

McGill Centre for Islam and Science (MCIS):

- www.islam-and-science.org

Islamic Scientific Manuscripts Initiative (ISMI):

- ismi.mpiwg-berlin.mpg.de/drupal-ismi/

Books

Rivka Feldhay and F. Jamil Ragep (eds.). *Before Copernicus: The Cultures and Contexts of Scientific Learning in the Fifteenth Century*. Montreal: McGill-Queen's University Press, 2017.

Epistles of The Brethren of Purity: On Astronomia: An Arabic Critical Edition and English Translation of Epistle 3. Edited and Translated by F. Jamil Ragep and Taro Mimura. Oxford: Oxford University Press, in association with The Institute of Ismaili Studies, 2015.

Articles and Book Chapters

"Khiyūniyādis" [Chioniades]." In *Dāʾirat al-Maʿārif-i Buzurg-i Islāmī* (Iran) [Great Islamic Encyclopedia], vol. 23, 355–358. Tehran: Markaz-i Dāʾirat al-Maʿārif-i Buzurg-i Islāmī, 1396 [2018] [in Persian].

"From Tūn to Toruń: The Twists and Turns of the Ṭūsī-Couple." In *Before Copernicus: The Cultures and Contexts of Scientific Learning in the Fifteenth Century*, edited by Rivka Feldhay and F. Jamil Ragep, 161–197. Montreal: McGill-Queen's University Press, June 2017.

"Ibn al-Shāṭir and Copernicus: The Uppsala Notes Revisited." *Journal for the History of Astronomy* 47 (Nov. 2016): 395–415.

Lectures and Conference Presentations

- "Around the World in 800 Years: The Incredible Journey of Scientific Knowledge to and from Islamic Lands," School of Languages, Linguistics, Literatures & Cultures, University of Calgary, Calgary, Alberta, 23 March 2018 (invited talk)
- "Tales of Transmission: Scientific Exchanges in the Premodern Period," Keynote address for the "The 2018 Morris W. Offit Symposium on Muslims, Christians, and Jews around the Mediterranean," Johns Hopkins University, Baltimore, MD, 9 March 2018
- "Golden Age Redux: Can the Past Inform the Present?" Keynote address for the Conference: "Science Education in the Muslim World," Hamad Bin Khalifa University, Doha, Qatar, 9–10 Dec. 2017
- "Thoughts on the Clash of Civilizations: Evidence from Premodern Science," invited talk at the Oakley Center for the Humanities and Social Sciences, Williams College, 14 Nov. 2017
- "The Vagueries of Transmission: Case Studies on the Circulation of Islamic Astronomy," paper presented at the annual meeting of the History of Science Society, Toronto, ON, 9–12 Nov. 2017
- "The Background to Copernicus: 'Vaine Recherche' or Indispensable Quest?" paper presented at the annual meeting of the Canadian Society for the History and Philosophy of Science, Toronto, ON, 27–29 May 2017
- "One Ibn al-Haytham or Two: The Evidence from Astronomy," paper presented at the annual meeting of the Middle East Studies Association, Boston, MA, 17–20 Nov. 2016
- "Science and Religion in Islam: Conflict or Creative Engagement?" invited lecture at the Aga Khan Museum, Toronto, 20 April 2016
- "From Squiggles to Events: Making Manuscripts Confess their Secrets" (with Sally Ragep), invited "work in progress" talk, McGill Digital Humanities, 13 April 2016
- "Ibn al-Shāṭir and Copernicus on Mercury," invited paper at a workshop held at the Institute for the Study of the Ancient World, NYU, New York, 15 March 2016
- "To Explain Copernicus: The Islamic Scientific and Religious Contexts," invited presentation at the panel "The Author in Dialogue: Steven Weinberg's 'To Explain the World'," American Physical Society meeting, Baltimore, 14 March 2016
- "The Islamic Scientific Manuscripts Initiative: Status of the Project," presentation at the workshop: "Working with ISMI," 29 Feb. 2016, Berlin
- "Religion as Agency in the Transmission and Transformation of Greek Astronomy within Islam," invited lecture at the Symposium "Science Before Science," Bowdoin College (Maine), 27 Feb. 2015
- "Continuity, Contiguity, Contingency: Islam and Copernicus Reconsidered," the annual Richmond Lecture on the history and philosophy of science, Williams College (Massachusetts), 14 April 2015
- "Copernicus and His Islamic Predecessors," invited lecture, University of California Berkeley, 19 March 2015

Teaching Activities

Student Theses and Dissertations Completed:

- M.A. (Islamic Studies, McGill), Philippe Grenon, completed November 2017: "Compete or Complete: A Contextualist Approach on Prophetic Medicine"
- M.A. (Islamic Studies, McGill), Takatomo Inoue, completed November 2017: "Avicennian Natural Philosophy and the Alchemical Theory of al-Ṭughrāʾī in Ḥaqāʾiq al-istishhād"
- Ph.D. (History and Philosophy of Science, Notre Dame University), Moiz Hasan, completed April 2017: "Foundations of Science in the Post-Classical Islamic Era: The Philosophical, Historical, and Historiographical Significance of Sayyid al-Sharīf al-Jurjānī's (d. 1413) Project" (co-supervisor with Robert Goulding)

Courses Taught:

- "Science and Religion in Islam" [graduate seminar: McGill University, Fall 2015]

- "Science and Civilization in Islam" [upper division undergrad course: McGill University, Winter 2016 and Winter 2017; Williams College, Fall 2017]
- "History of Science in Islam" [graduate seminars on various topics: McGill University, Winter 2016 and Winter 2017]
- "Special Topics in Islamic Thought" [graduate seminar on codicology and textual editing: McGill University, Fall 2016]

Workshops

Related to the Canada Research Chair in The History of Science in Islamic Societies and the Social Sciences and Humanities Research Council (SSHRC) Partnership Development Grant:

- "International Symposium on Science Teaching in Transition During the 18th–19th Century Islamic World," Istanbul, Turkey, 14–15 Dec. 2017. [Co-sponsored by Medeniyet University and the McGill Centre for Islam and Science as part of the SSHRC-sponsored partnership development grant.]
- "Science Education in the Muslim World," Hamad Bin Khalifa University, Doha, Qatar, 9–10 Dec. 2017. [Co-sponsored by the McGill Centre for Islam and Science and partially funded by the SSHRC-sponsored partnership development grant.]
- "Working with ISMI: Scholars Take Stock of a New Tool," 29 Feb.–1 March 2016, Berlin [organized in conjunction with the Max Planck Institute for the History of Science, Berlin; 11 participants]
- "Science Teaching in Contemporary Islamic Societies," 22–24 October 2015, McGill [organized with Anila Asghar; 12 participants]
- "Scientific and Rationalist Traditions in Muslim India," Berkeley, 22 Oct. 2016 (part of SSHRC Dev. Project) [Co-Organizers: Asad Ahmed and S. Ragep]

Conference Panel

Organizer: "The Legacy of A. I. Sabra: New Perspectives on the History of Science in Islam," Middle East Studies Association Annual Meeting, Boston, MA, 19 Nov. 2016 (4 papers plus discussant)

Major Grant Award

Social Sciences and Humanities Research Council (SSHRC) Partnership Development Grant: "Science Teaching in Pre-Modern and Modern Islamic Societies: Pedagogical Approaches in Religious, Institutional, and Geographical Contexts," 25 March 2015–24 March 2019 (Prof. Anila Asghar: co-PI)

Projects

Islamic Scientific Manuscripts Initiative (ISMI):

- First phase launch: July 2015 ismi.mpiwg-berlin.mpg.de/drupal-ismi/
- Second phase launch: June 2018

The mission of the Islamic Scientific Manuscripts Initiative (ISMI) is to make accessible information on all Islamic manuscripts in the exact sciences (astronomy, mathematics, optics, mathematical geography, music, mechanics, and related disciplines), whether in Arabic, Persian, Turkish, or other languages. ISMI represents a collaborative effort between the Institute of Islamic Studies (IIS) at McGill University in Montreal, Canada, and the Max Planck Institute for the History of Science (MPIWG) in Berlin, Germany. At the IIS, ISMI researchers, and their colleagues at the related Post-classical Islamic Philosophy Database Initiative (PIPDI), have collected over 600,000 images from some 4,000 codices that have been the subject of in-depth examination. For their part, the MPIWG has developed an innovative, object-relational database (OpenMind) in which the data collected is stored and retrieved for analysis.

Science Teaching in Pre-Modern and Modern Islamic Societies: Pedagogical Approaches in Religious, Institutional, and Geographical Contexts:

- www.islam-and-science.org/projects/
- www.islam-and-science.org/events/

Science teaching in an Islamic context has broad implications for understanding Islam's engagement with non-religious knowledge, and especially with knowledge whose origins are external to the Islamic world. Our project aims to address science teaching both in the pre-modern and modern contexts. In so doing our interdisciplinary partnership (consisting of McGill, Istanbul Medeniyet University, University of California, Berkeley, and the Max Planck Institute for the History of Science, Berlin), seeks to understand the range of science teaching and compare whether the methods developed then might still have relevance for teaching science in contemporary Islamic societies. Thus far, we have held five workshops (www.islam-and-science.org/projects/) with a sixth scheduled for May 2018 www.islam-and-science.org/events/. The study of the premodern period is being led by Sally P. Ragep, using the tools and resources of the Islamic Scientific Manuscripts Initiative (ISMI) database. The study of the modern period builds upon the research of Dr. Asghar (McGill) and her colleagues on science teaching in modern Islamic societies. Their current focus is on science teaching

in Pakistan and Turkey. A particular challenge of this Project is to bridge the gap between the pre-modern and modern, which are usually held to be completely disparate and thus studied separately. This is being done in part by bringing modernists and pre-modernists together in one or more workshops. The Project also has a comparative component, taking the form of investigating both similarities and differences between the teaching of science in the pre-modern Islamic and Western Christian worlds; and also exploring in a comparative fashion the development of modern science teaching in a global perspective.

New Centre

In Fall 2016, McGill University officially granted permanent centre status to the McGill Centre for Islam and Science (MCIS). The current co-Directors are Anila Asghar, Ehab Abouheif, and Jamil Ragep. To learn more about the Centre, whose mission is to "explore the interactions of science and religion in Islamic societies, both past and present, and to advance policy and educational proposals based on that exploration," please visit: www.islam-and-science.org.

Ragep, Sally P.
McGill University | Institute of Islamic Studies | Montreal, Quebec, Canada

Websites

- www.mcgill.ca/islamicstudies/people/researchers/sally-ragep

Islamic Scientific Manuscripts Initiative (ISMI):

- ismi.mpiwg-berlin.mpg.de/drupal-ismi/

Book

Jaghmīnī's Mulakhkhaṣ: An Islamic Introduction to Ptolemaic Astronomy. Sources in the History of Mathematics and Physical Sciences. New York: Springer-Verlag, 2016.

Book Chapter and Article

"Fifteenth-Century Astronomy in the Islamic World." In *Before Copernicus: The Cultures and Contexts of Scientific Learning in the Fifteenth Century*, ed. Rivka Feldhay and F. Jamil Ragep, 143–60. Montreal: McGill-Queen's University Press, 2017.

"The Teaching of Theoretical Astronomy in Pre-modern Islam: Looking Beyond Individual Initiatives." In *Schüler und Meister*, ed. Andreas Speer and Thomas Jeschke (Miscellanea Mediaevalia 39), 557–68. Berlin: De Gruyter, 2016.

Presentations & Participations

- "Two Scientific Textbook in Islam that (Nevertheless) Persisted," paper presented at "The 2018 Morris W. Offit Symposium on Muslims, Christians, and Jews around the Mediterranean," Johns Hopkins University, Baltimore, MD, 9 March 2018
- "Jaghmīnī's Mulakhkhaṣ and its Extensive Commentary Tradition," paper presented at the "International Symposium on Science Teaching in Transition During the 18th–19th Century Islamic World, Istanbul, Turkey, 14–15 Dec. 2017. Co-sponsored by Medeniyet University and the McGill Centre for Islam and Science.
- "An Historical Overview of Science Education in the Islamic World," paper presented at the workshop "Science Education in the Islamic World," Hamid bin Khalifa University, Doha, Qatar, 9–10 Dec. 2017
- "Jaghmīnī's Mulakhkhaṣ and its Extensive Commentary Tradition: Past Teaching of Theoretical Astronomy within Islamic Societies," paper presented at the annual meeting of the History of Science Society in the panel entitled "Islamic Science in Theory, Teaching, and Practice," Toronto, ON, 9–12 Nov. 2017
- "The Teaching of Islamic Science in Premodern Islam," colloquium talk, Oakley Center for the Humanities and Social Sciences, Williams College, Williamstown, MA, 31 Oct. 2017
- "Science Textbooks from the Later Period of the Khwārizm Shāhs," paper presented at the annual meeting of the Middle East Studies Association (MESA) in the panel entitled "Construction of Scientific Knowledge," Boston, MA, 17–20 Nov. 2016
- "Situating Jaghmīnī's Qanuncha: A Prequel for Exploring Its Influence in South Asia," paper presented at the workshop on "Scientific and Rationalist Traditions in Muslim India," University of California, Berkeley, 22 Oct. 2016
- "From Squiggles to Events: Making Manuscripts Confess their Secrets" (with F.J. Ragep), invited "work in progress" talk, McGill Digital Humanities, 13 April 2016
- "Jaghmīnī's Mulakhkhaṣ: An Islamic Introduction to Ptolemaic Astronomy," invited paper at a workshop held at the Institute for the Study of the Ancient World, NYU, New York, 15 March 2016
- "The Islamic Scientific Manuscripts Initiative: Status of the Project," presentation at the workshop: "Working with ISMI," Max Planck Institute for History of Science, Berlin, 29 Feb. 2016
- "An Historical Overview of Critical Issues in Science Teaching in Islam," paper presentation at the workshop "Science Teaching in Contemporary Islamic Societies," McGill University, 24 Oct. 2015

- "Jaghmīnī's Mulakhkhaṣ & Islamic Scientific Pedagogy," invited lecture, University of California Berkeley, 19 March 2015

Teaching Activities

"Science and Civilization in Islam" [upper division undergrad course: McGill University, Winter 2016 and Winter 2017; Williams College, Fall 2017; co-taught with F.J. Ragep]

Conference Panel

Chair/Organizer/Commentator of a panel entitled "New Perspectives on Science in Pre-Modern Islam" (Hasan Umut, Sajjad Nikfahm-Khubravan, and Fateme Savadi) at the annual meeting of the Canadian Society for the History and Philosophy of Science (CSHPS), Ryerson University, Toronto, ON, 27–29 May 2017

Workshops

[The workshops listed below are part of an international collaborative project entitled "Science Teaching in Pre-modern and Modern Islamic Societies: Pedagogical Approaches in Religious, Institutional, and Geographical Contexts," with funding from a Social Sciences and Humanities Research Council (SSHRC) partnership development grant, plus additional support from three partner institutions: the Max Planck Institute for the History of Science in Berlin (MPIWG); Medeniyet University, Istanbul; and the University of California, Berkeley.]

Forthcoming:

- "Science Teaching in Pre-modern Contexts," McGill University, Montreal, 24–26 May 2018 [Principal Organizer; 16 participants]. www.islam-and-science.org/events/
- "Scientific and Rationalist Traditions in Muslim India," Univ. of California, Berkeley, 22 Oct. 2016 [Co-Organizers: Asad Ahmed and F. J. Ragep; 8 participants]
- "Working with ISMI: Scholars Take Stock of a New Tool," Max Planck Institute for the History of Science Berlin, 29 Feb.–1 March 2016 [Co-Organizers: Lorraine Daston and F. J. Ragep; 11 participants]
- "Science Teaching in Contemporary Islamic Societies," McGill University, Montreal, 22–24 Oct. 2015, [Co-Organizer: Anila Asghar; 14 participants]

Forthcoming Projects

Islamic Scientific Manuscripts Initiative (ISMI):

- First phase launch: July 2015 ismi.mpiwg-berlin.mpg.de/drupal-ismi/
- Second phase launch: June 2018

Schmidl, Petra G.

Recent Publications

[For copies please ask the author.]

Articles

"Using Astrolabes for Astrological Purposes: The Earliest Evidence Revisited". In: Ackermann, Silke; Dunn, Richard; Strano, Giorgio (ed.): *Heaven and Earth United. Instruments in Astrological Contexts* (Scientific Instruments and Collections 6). Leiden, Boston 2018, 4–23.

with Eva Orthmann: "The Provenance and History of the *Dustūr al-munajjimīn* and its Manuscript". In: Eva Orthmann & Petra G. Schmidl: *Science in the 'City of Fortune'. The* Dustūr al-munajjimīn *and its world.* Bonner Islamstudien 39. Berlin 2017, 13–33.

with Moḥammad Karīmī Zanjānī Aṣl & Eva Orthmann: "The Sources and the Composition of the *Dustūr al-munajjimīn*". In: Orthmann & Schmidl 2017, 35–113.

"Knowledge in Motion: An early European Astrolabe and its Possible Medieval Itinerary". *Medieval Encounters* 23 (2017): 149–197.

"Des Sultans Sternkunde. Al-Ashraf ʿUmar (st. 1296) und sein *Kitāb al-Tabṣira fī ʿIlm al-Nujūm*". *Jemen-Report* 47:1–2 (2016): 36–40.

"'Mirror of the stars' – The Astrolabe and What It Tells About Pre-Modern Astronomy in Islamic Societies". In: Brentjes, Sonja; Edis, Taner; Richter-Bernburg, Lutz (eds.): *1001 Distortions. How (Not) to Narrate History of Science, Medicine, and Technology in Non-Western Cultures* (Bibliotheca Academia, Reihe Orientalistik 25). Würzburg 2016, 173–187.

"The *Dustūr al-munajjimīn* or Does a Sovereign Need Astronomy to Structure his Reign?" In: Rappenglück, Michael A.; Rappenglück, Barbara; Campion, Nicholas; Silva, Fabio (ed.): *Astronomy and Power: How Worlds Are Structured*. Proceedings of the SEAC (Société Européenne pour l'astronomie dans la culture) 2010 Conference (BAR International Series 2794). Oxford 2016, 247–251.

"Al-Ḫugāndī und sein Astrolab: Aspekte der Astronomie und der Astrologie unter den Abbasiden". In: *Häuser der Weisheit.*

Wissenschaft im Goldenen Zeitalter des Islam. Mainz am Rhein 2015, 34–37.

"Islamic Folk Astronomy". In: Clive L. N. Ruggles (general ed.). *Handbook of Archaeoastronomy and Ethnoastronomy*. New York 2015, 1927–1934.

"Lunar Elections in Ibn Rahiq's Folk Astronomical Treatise". In: Burnett, Charles; Gieseler Greenbaum, Dorian (ed.): *From Māshāʾ Allāh to Kepler: Theory and Practice in Medieval and Renaissance Astrology*. Ceredigion, Wales 2015, 425–453.

Reviews

"On *Astronomia*: An Arabic Critical Edition and English Translation of Epistle 3. Edited and translated by F. Jamil Ragep and Taro Mimura. Foreword by Nader El-Bizri (Epistles of the Brethren of Purity) (Oxford: Oxford University Press, in association with the Institute of Ismaili Studies, London 2015), pp. xxv + 162 (introduction, translation, appendices, indices), pp. 164 (edition), 50 £. ISBN 978 0 1987 4737 6." *Early Science and Medicine* 21 (2016): 357–359.

with Flora Vafea: "Two Editions of the Earliest Text on the Astrolabe: *De usu astrolabii eiusque constructione*. Ioannes Philoponos. Edited and translated by Alfred Stückelberger, assisted by Heiner Rohner (de Gruyter, Berlin, 2015). Pp. xi + 93. € 56. ISBN 9783110402216. *Traité de l'astrolabe*. Jean Philopon. Edited and translated by Claude Jarry (Les Belles Lettres, Paris, 2015). Pp. clxxxv + 73. €47. ISBN 9782251005966 (paper)." *Journal for the History of Astronomy* 47:4 (2016): 449–451.

"An Eleventh-Century Egyptian Guide to the Universe. The Book of Curiosities. Edited and Translated by Yossef Rapoport and Emilie Savage-Smith. Islamic Philosophy, Theology and Science. Texts and Studies 87. Leiden and Boston: E. J. Brill, 2014. ISBN 978-90-04-25564-7 (hardback); ISBN 978-90-04-25699-6 (e-book). Pp. .xii, .698, illus. Euro €223.00 (cloth)." *Imago Mundi. The International Journal for the History of Cartography* 67:2 (2015): 255–256.

Schwartz, Randy K.

Publications

"Ibn al-Haytham Extended: Spherical Optics in al-Muʾtaman and Harriot", *Actes du Douzième Colloque Maghrébin sur l'Histoire des Mathématiques Arabes*, Marrakech, 26 au 28 Mai 2016 (Marrakech, Morocco: École Normale Supérieure, Université Cadi Ayyad, 2018), 251–265.

With Frank J. Swetz, "Mathematical Treasure: The Method of the Scales in Ibn al-Hāʾim's 'Book of Delights'", *Convergence* (Mathematical Assn. of America) (May 2017), www.maa.org/press/periodicals/convergence/mathematical-treasure-the-method-of-the-scales-in-ibn-al-ha-im-s-book-of-delights.

"Morocco Conference: Back to the Roots" [report on COMHISMA12], *The Right Angle* (Schoolcraft College, Livonia, Michigan), 24:1 (Sep. 2016), 10–12.

Presentations

- "A Volume Optimization by Sharaf al-Dīn al-Ṭūsī", MathFest 2016, the Summer Conference of the Mathematical Association of America (MAA), Columbus, Ohio, Aug. 6, 2016.
- "Ibn al-Haytham Extended: Spherical Optics in al-Muʾtaman and Harriot", Twelfth Maghreb Symposium on the History of Arabic Mathematics (COMHISMA12), Cadi Ayyad University, Marrakech, Morocco, May 26, 2016.
- "A Solid Problem for Calculus from Sharaf al-Dīn al-Ṭūsī", 23rd Annual Conference of the Midwest Institute for International and Intercultural Education (MIIIE), Schoolcraft College, Livonia, Michigan, Apr. 15, 2016.

Tolmacheva, Marina

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Marina Tolmacheva is retiring this summer. Her email address will remain the same. In addition, there are the following progress items:

- I have received preliminary approval for my Fulbright Fellowship to Kazakhstan in AY 2018–2019.
- I expect to be presenting a paper on Indian Ocean navigation at the November 2018 MESA annual meeting in San Antonio, TX.
- I anticipate a 2018 publication of my chapter on "Long-distance Arab Sailing in the Indian Ocean

before the Portuguese: Oceanic Connections in the Sources" in Early Maritime Cultures on the East African Coast, edited by Akshay Sarathi – forthcoming from Archaeopress (Oxford, UK).

Minutes of CHOSTIS General Meeting Rio de Janeiro, July 25th, 2017

President's welcome (by Lennart Berggren)

Lennart Berggren, as president, called the meeting to order and welcomed all attending members and guests.

Secretary's report (by Petra G. Schmidl)

Petra Schmidl gave a short report of her work as secretary of CHOSTIS. Since October 2016, she continued Mohammad Bagheri's work, who had to resigned for personal reasons. The secretary's main duties during this time concerned organizing the e-balloting, done for the first time, and preparing for the CHOSTIS general meeting in Rio. Further she conveyed greetings by Gül Russell and Raza Ansari and read a report about the financial situation of *Suhayl*, that Julio Samsó sent to her. In the ensuing discussion, it seemed that those present felt it was reasonable that CHOSTIS encourage donations by members, who wish to support *Suhayl*. The possibility was discussed if *Suhayl* might consider dropping of the paper volume and being entirely web-based. Further the governing council will consider, if CHOSTIS is allowed to provide some financial support to *Suhayl*, the journal published in cooperation with CHOSTIS. But Commission affairs will have priority concerning financial support – e.g. the webpage.

Following this, Nathan Sidoli provided some information about the situation of *SCIAMVS*. The journal has sufficient funding for, perhaps, two more years but, in the near future increased individual and/or institutional subscriptions will be necessary.

Financial report (Robert Morrison)

Robert Morrison gave a report of the financial situation concerning CHOSTIS, who had and spent no money in 2014 and 2015.

Bank statements		Deposits / Withdrawals		
		09/04/2015	$300.00	from Robert Morrison
09/15/2015	$300.00			
03/16/2016	$300.00			
		05/17/2016	$2000.00	from DHST
Balance:	$2300.00			
06/15/2016	$2300.02			
12/15/2016	$2300.14			
		12/19/2016	$128.00	payment to Nathan Sidoli for web work
Balance:	$2,172.14			
03/16/2017	$2,172.20			
		05/05/2017	$2,250.00	from DHST minus fee of $15
Balance:	$4,407.20			
06/15/2017	$4,407.29			

Bank statements		Deposits / Withdrawals		
		07/22/2017	$2,500.00	withdrew for grants
Balance:	$1,907.29		$300.00	outstanding debt to Robert Morrison

Homage to deceased members of the Commission (by Lennart Berggren and Robert Morrison)

Lennart Berggren and Robert Morrison spoke briefly on the contributions of each of the three members who have passed away: Prof. A. I. Sabra, Prof. D. C. Riesman, and Dr. Youcef Guergour. A minute of silence was observed in honor of their contributions to our discipline.

Business arising from Minutes of previous meeting

There was no business arising from the previous meeting.

New business

Treasurer of the Commission

The governing council discussed beforehand the role of the treasurer, because there is no such office designated in the commission bylaws and the job has become more time consuming. Their suggestion presented at the meeting was that the vice-president should take on this task – as has been the case during the last few years – achieved unanimous support by the members in attendance.

Future of Commission's website

Nathan Sidoli briefly described the problems with the commission's website. Because over the years it has been passed on from one person to another, there are several different kinds of coding. And it does not work on mobile devices. There was general agreement by those present that the website should use one software all the way through, rather than the present patchwork, and should be accessible with ISO and Android mobile devices. In general, the governing council, but also all members, should consider, what they deem useful, e.g. a blog-type portion and/or easier updates and then think about the technical implementation. (The governing council will be following up on this.)

Scholarly meetings other than the quadrennial meetings

Petra Schmidl introduced the proposal of the governing council to organize scholarly meetings other than the quadrennial meetings during ICHST to promote exchange and cooperation between the members of CHOSTIS. Because of the lack of sufficient funding and support, they suggest organizing a panel at another conference. The attendant members supported the suggestion. A list of several conferences that might be suitable was presented and supplemented by members' suggestions. It became consensus that it is preferable to join conferences of different organisations, mainly because of four reasons:

- to get acquainted with different scientific communities,
- different conference venues since, unfortunately, not all colleagues are able or willing to go to all countries,
- different times of the year, so that not always the same colleagues will have problems to attend because of the organisation of their academic year,
- alternating foci either on Islamic Studies or on History of Science to serve colleagues with different research interests.

Therefore, the governing council has been instructed to search for a possible conference in 2019.

Further, Petra Schmidl summarized shortly two articles published in German newspapers in May and June 2017 concerning the situation at the Institute for the History of Arabic-Islamic Science in Frankfurt.

New Governing Council elections

Nathan Sidoli reported the result of the e-balloting and Petra Schmidl about the paper balloting. All together, there were 49 votes. (CHOSTIS had in May 2017 159 members.)

Robert Morrison	president	48	1	0
Josep Casulleras	vice-president	48	1	0
Petra Schmidl	secretary	48	1	0
Lennart Berggren	counsellor	48	1	0
Mohammad Bagheri	counsellor	48	1	0

Symposia during the 25th International Congress of History of Science and Technology
Rio de Janeiro, 21–28 July 2017

source: information conveyed in preparation of the symposia

CHOSTIS: "Science in Islamic Societies, Globally and Locally"

Our symposium aims to situate science in their cultural context in Islamic societies with special attention to the local specifics and the global connections of that science. As the history of science in Europe and North America, in particular, remains dominated by the study of science from 1800 onward, these symposia provide an important chronological (and geographic balance).

The papers within the symposium cover mostly medicine, mathematics, and astronomy, both theoretical and mathematical. The three sessions are broken down thematically. The first session addresses the intersection between theory and practice, and the first two papers address this relationship in astronomy. Finally, the third paper looks at the development of physiology, what the author takes to be ideas about the body, and dissection.

The second session investigates how concerns of translation and poetic form affected science and the culture of science. The first paper focuses on mathematics, examining how choices in the practice of translation affected the understanding of Euclid's *Data*. The second paper looks at how science entered the literary form of didactic poetry and the intellectual and social contexts in which this poetry flourished.

The third session addresses loci of scientific culture, be they social or literary, as well as the exchange of scientific ideas. The first two papers look at science in the Mughal and early Ottoman courts respectively. Both of those papers consider contacts between the Mughal and Ottoman courts and Europe. The third and final paper in the panel uses the important issue of Copernicus' probable Islamic sources to look at how local contexts and transnational historical actors matter for the global history of science.

Within Islamic civilization, the sciences of the stars have attracted the most scholarly attention over the years and have also been the locus for some of Islamic societies' most notable achievements. Therefore, CHOSTIS is, once again, organizing in cooperation with the

Commission for the History of Ancient and Medieval Astronomy (CHAMA) a special session. The title is: 'The Local and the Global in Islamic Astronomy'. That symposium will be submitted separately, by colleagues in CHAMA.

I. Theory and practice in the heavens and the human body

Kaveh Niazi: On "Knowledge of the Cosmos" by Qaṭṭān al-Marwazī

A prominent scholar of the Islamic world Qaṭṭān al-Marwazī (1072/1073–1153 CE), his sole surviving work, however, is a Persian text on astronomy, the *Kayhān ShināKht* ("Knowledge of the Cosmos"). In this work al-Marwazī discusses common *hayʾa basīṭa* topics such as the configuration of the heavens, and the layout and dimensions of the various climes of the earth, though he includes other material such as a list of religious festivals, and atmospheric phenomena as well. The work is divided into three sections: On the Heavens (in nine chapters), On the Earth (in three chapters), and On the Calendar and the Passage of Time (in three chapters). The present paper examines al-Marwazī's work, particularly regarding his discussion of the configurations of the heavens and the earth and discusses its significance with respect to the tradition of astronomical writing in the Persianate lands of eastern Islam.

Lennart Berggren: al-Biruni's Mappings of the Earth and the Heavens

One among al-Bīrūnī's many interests was investigating methods for mapping the heavens and the earth. His treatments include his treatises *Projections of the Constellations and Making Spheres Plane* and his *Istīʿāb al-wujūh al-mumkina fī ṣanʿat al-asṭurlāb*. This talk will be devoted to an exposition of some of his remarkable discoveries in this area, their background among his contemporaries and earlier writers, and their influence on later mappings.

Nahyan Fancy: "We have seen this many times": Ibn al-Nafīs's Anatomical Critique of Galenic Humoral Theory and the Physiology of Digestion (cancelled)

It has long been maintained that Galenic/Hippocratic humoral theory reigned supreme in Islamic societies from when medical texts were translated into Arabic in the ninth century to the arrival of Western European colonial powers in the nineteenth. Yet, medical writers engaged critically with medical theory in their commentaries on the *Canon of Medicine* and the *Epitome*. The leading figure in this critical engagement was Ibn al-Nafīs (d. 1288). In this paper, I examine the modifications he introduced into humoral theory, and how subsequent commentators engaged with them. The paper thus provides new insights into the study and practice of anatomy in post-classical Islamic societies.

II. Loci of science: Courts and Beyond

Gulfishan Khan: Mughal India: Science, Culture and Court

Seventeenth Century Mughal India witnessed a vital growth of scientific learning and culture. Under Mughal patronage, sciences were actively cultivated and in many fields a fusion of Indian and Islamic scientific tradition yielded significant advances. In the Mughal spirit of mutual cultural sharing imperial translations occasionally included manuscripts which were translated from Persian into Hindi, including works of mathematics and astronomy. Transfer of knowledge from West to East and vice versa was also an aspect of medieval scientific learning. Mutamad Khan Rustam bin Qubad Badakhshi (d.1705) visited Portugal where he undertook the Arabic translation of Christoph Clavius' (d.1612) *Gnomonices Libri*, on the art of gnomonices – time keeping through the use of sun dial – published in 1581, as *Kitab al-Maqais Kalawiyus*.

Robert Morrison: Scientific Exchange at the Early Ottoman Court in Istanbul and Connections with the Veneto

In the history of science in Islamic societies, the Ottoman Court following the conquest of Constantinople saw the confluence of a number of scientific traditions. Scholars from Samarqand, working in an intellectual tradition with a genealogy that stretched back to the Maragha Observatory encountered Jews and Byzantine Christians, among others. This blending of scholarly traditions created a fertile environment for scholarly exchange. This presentation

will use the career and oeuvre of Moses Galeano/Mūsā Jālīnūs (d. after 1542) as a window on to this fascinating intellectual world

Jamil Ragep: Copernicus: Between the Local and the Global (cancelled)

In the sixty years since the claim was first made by E.S. Kennedy and his students that Copernicus owed many of his models to Islamic astronomers, there has been a curious mixture of reactions by historians of astronomy and scholars of early modern Europe; some have reacted with incredulity, while others have voiced enthusiastic assent. Although a great deal has been learned over those 60 years, and new evidence supporting transmission keeps appearing, one still has a fair number of doubters and deniers. One might see this as a simple scholarly debate about evidence; however, much more is at stake as can be surmised from the vehemence of that debate. Arguably the main issue animating this scholarly controversy is an underlying question of the nature of early modern European science and philosophy, what used to be called the Scientific Revolution: was it purely a European phenomenon or did it owe something, perhaps a considerable amount, to Islamic science, philosophy and theology? While this paper will argue for the importance of seeing early modern science in a global context, it will also seek to show that in so doing Europeanists can gain a better understanding of the local.

III. The Translation and Poetry of Science

Nathan Sidoli: Thābit b. Qurra's Restoration of Euclid's Data

Euclid's *Kitāb Uqlīdis fī al-Muʿṭayāt* is the first treatise in most of our manuscript sources for the collection of works that circulated in the medieval period under the title of *The Middle Books* (*al-Mutawassiṭāt*). Despite the fact that this work had originally been composed as a treatise in pure geometry for facilitating geometrical analysis, it had been repurposed by scholars like Heron and Ptolemy as a foundation for numerical computation. Hence, by the time it was translated into Arabic in 9th century Baghdad, it was being read as a foundation for these two, sometimes conflicting, mathematical practices. In this talk, I will discuss the differences between the Greek text and Thābit's restoration, with particular attention to translation choices and how they reflect the ways that the Baghdadi scholars were appropriating and modifying Greek mathematical concepts and practices.

Miquel Forcada: The development of didactic poetry about science

Although there are some examples of didactical poetry about science dating from the 9th and 10th centuries in al-Andalus, the genre begins to flourish from the 12th century onwards. One of the factors that explains this phenomenon is the reception of Ibn Sīnā's *Urjūza fī l-ṭibb* in the mid-12th century, which seems have stirred the scholar's interest for this kind of texts. The number of *urjūzas* (didactical poems written in *rajaz* metre) about scientific matters and their commentaries grew considerably and the didactic poetry became a widespread tool for scientific education. In much the same way as in other Islamic regions of the Dār al-Islam, the flourishing of the *urjūza* and other forms of didactical poetry in al-Andalus and the Maghrib coincided with the establishment of the *madrasa.* Although there are many editions and studies about didactical poetry on science, we still need to know more about the genre and its diffusion in the learned circles of Western Islam. The paper will examine the role that didactical poetry on science played in the transmission of knowledge from the 13th century onwards and the intellectual locales in which this genre flourished.

CHAMA: "Local, Regional, and Transregional Perspectives on Ancient and Medieval Astronomy"

Thursday, 27 July, 9:00–10:30 a.m.

Chair: Anuj Misra

Ramasubramanian Krishnamurthi, K. Ramasubramanian, "Computation of Sines by Nityananda in his Sarvasiddhantaraja"

Aditya Kolachana, "Determination of the ascendant in the Kerala school of Indian astronomy"

Kim Plofker, “Evolution of computational texts in Sanskrit astronomy: The Rajamrganka of Bhojaraja”

Thursday, 27 July, 10:45 a.m.–12:15 p.m.

Chair: Kim Plofker

Sriram, Myyasandra Subrahmanya, “Non-trivial use of the ‘Trairasika’ (Proportionality principle) in Indian astronomy texts”

Sita Sundar Ram, “The use of Algebra (bijaganita) to solve Diurnal Problems by the Indian Astronomer Bhaskaracarya II (12th Century CE)”

Zhou Liqun, “The Indian Outflow Water-clock came to China”

CHAMA-CHOSTIS: “The Local and the Global in Medieval Islamic Astronomy”

Thursday, 27 July, 3:30–5:00 p.m.

Chair: Dirk Grupe

Joint CHAMA-CHOSTIS minisymposium, “The Local and the Global in Medieval Islamic Astronomy” 1

Petra G. Schmidl, “Between the local and the global. The *qibla* scheme in the *Kitab al-Tabsira* by al-Ashraf Umar”

María José Parra Pérez, “Relations between Eastern Arabic Commentaries on the Almagest”

Thursday, 27 July, 5:15–6:45 p.m.

Chair: Petra Schmidl

Joint CHAMA-CHOSTIS minisymposium, “The Local and the Global in Medieval Islamic Astronomy” 2

Emilia Calvo, Rosa Comes, “Scientific instruments in al-Battani’s Zij and in Plato of Tivoli’s Latin translation. A comparative study of scientific terminology in Arabic and Latin associated to the construction of instruments”

Dirk Grupe, “Studies in Arabic Astronomy in the Early Crusader States”

Friday, 28 July, 9:00–10:30 a.m.

Chair: Alexander Jones

John Steele “Babylonian Astronomy Outside of Babylon: The Case of Nippur”

Teije de Jong, “On the development of Babylonian planetary theory: the outer planets”

Zoë Misiewicz, “The ‘Watches of the Night’ and the Spread of Astral Knowledge from Local to Global”

TAMAS: “Towards a Database of Astronomical Tables”

Friday, 28 July, 10:45 a.m.–12:15 p.m.

Chair: Matthieu Husson

TAMAS minisymposium “Towards a Database of Astronomical Tables” 1

Anuj Misra, “The computational challenges in reconstructing the astronomical tables of Amṛtalaharī of Nityānanda”

Glen Van Brummelen, “Jamshid al-Kashi’s Tables of Planetary Latitudes”

Friday, 28 July, 3:30–5:00 p.m.

Chair: Glen van Brummelen

TAMAS minisymposium “Towards a Database of Astronomical Tables” 2

Liang Li, “Computer-aided analysis of sunrise and sunset tables in Yuan and Ming China (A.D. 1271–1644)”

Johannes Thomann, "Published and unpublished Arabic astronomical ephemerides: Long term tradition, scientific change and local adaptation"

Friday, 28 July, 5:15–6:45 p.m.

Chair: Johannes Thomann

TAMAS minisymposium "Towards a Database of Astronomical Tables" 3

Richard Kremer, "Cracking the Tabulae permanentes of John of Murs, Paris, c. 1321"

Husson Matthieu, "Editing and analysing the Tabule magne of John of Lignères (Paris c. 1325)"

Saturday, 29 July, 9:00–10:30 a.m.

Chair: Daryn Lehoux

Christián C. Carman, "Martianus Capella's calculation of the size of the Moon"

James Carl Evans, "The Diffusion and Distribution of Scientific Instruments in the Greco-Roman World"

Aníbal Szapiro, "The role played by concepts in Ptolemy's proof of the central position of the Earth"

Saturday, 29 July, 10:45 a.m.–12:15 p.m.

Chair: Christián Carman

Gonzalo Luis Recio, "A point with many faces: the diverse functions of the equant point in Ptolemy's Almagest"

Alexander Jones, "Astronomical resources for elaborate Greek horoscopes"

Taro Mimura, "Astronomical Proof of the One God in (ps.) Masha^{ʾ}allah's *Liber de orbe*"

Conference "Science in al-Andalus" Cordóba, Casa Árabe, 20–22 Sept. 2017

source: http://en.casaarabe.es/event/science-in-al-andalus – accessed 2018-99-22

Wednesday, September 20

9:00–9:30 a.m.: Accreditation and handing out of materials

9:30–10:00 a.m.: Opening event: Mònica Rius Piniés (University of Barcelona), Cristina de la Puente (CSIC), Pedro Martínez-Avial Martín, General Director of Casa Árabe

10:00–11:00 a.m.: Opening conference: General overview of science in Al-Andalus and its role as a bridge across which Arab science reached Europe: Julio Samsó, professor emeritus at the University of Barcelona

11:00–11:30 a.m.: break

Passing on Scientific Knowledge

11:30 a.m.–12:30 p.m.: The influence of Al-Andalus on Ottoman science: Ekmeleddin İhsanoğlu, member of the Turkish Parliament's Foreign Affairs Commission

12:30–1:30 p.m.: Passing Arab astrology on to Europe through Al-Andalus: Teodoro Loinaz, University of Barcelona

Mathematics and Astronomy

4:30–5:30 p.m.: Mathematics in Al-Andalus and its influence on the Maghreb region: Ahmed Djebbar, professor emeritus at the University of Lille 1

5:30–6:30 p.m.: Astronomic tables from Al-Andalus and the Maghreb: Benno van Dalen, Academy of Sciences and Humanities of Bavaria

6:30–7:30 p.m.: Science, religion and politics in al-Andalus: an example of Arab-Islamic cultural identity: Mònica Rius-Piniés, University of Barcelona

7:30–9:00 p.m.: Al-Andalus: Music and poetry of Al-Andalus, by Emilio Villalba and Sara Marina

Thursday, September 21

Scientific Instruments

9:30–10:30 a.m.: Astronomical instruments in Al-Andalus: Emilia Calvo, University of Barcelona

10:30–11:30 a.m.: Astronomical instruments from Al-Andalus in the Mashriq: François Charette, Academy of Sciences of Bavaria

11:30 a.m.–noon: Break

Astronomy's Applications: Astrology and Time Measurement

12:00–1:00 p.m.: Astrology in Al-Andalus: Montserrat Díaz Fajardo, University of Barcelona

1:00–2:00 p.m.: History of clocks in Al-Andalus: Salim Al-Hassani, Professor emeritus, University of Manchester

2:00–4:00 p.m.: Break

Medicine and Agronomy

4:00–5:00 p.m.: Medicine in Al-Andalus: Camilo Álvarez de Morales, Spanish National Research Council (CSIC)

5:30–7:00 p.m.: Guided tour of the Mosque and Jewish quarter

Friday, September 22

9:00–10:00 a.m. Forested landscapes of Al-Andalus: Esteban Hernández Bermejo, Director of the Andalusian Germoplasm Bank

10:00–11:00 a.m.: Botany in Al-Andalus: Mustafa Yavuz, University of Istanbul Medeniyet

11:00–11:30 a.m.: Break

Science and Religion

11:30 a.m.–12:30 p.m. Closing conference: The qibla in medieval Qurtuba and the orientation of the Great Mosque: David King, professor emeritus, Johann Wolfgang Goethe University in Frankfurt

12:30–1:00 p.m.: Closing event

Spring Seminar at the Institute for the History of Arabic-Islamic Sciences Frankfurt, 23 March 2017

source: information conveyed in preparation of the seminar

Institut für Geschichte
der Arabisch-Islamischen Wissenschaften
an der Johann Wolfgang Goethe-Universität in Frankfurt a.M:

Frühlingsseminar
Neue Perspektiven zur Geschichte der arabisch-islamischen Wissenschaften

am Freitag, den 23. März 2018,
im Institut für Geschichte der Arabisch-Islamischen Wissenschaften
an der J. W. Goethe-Universität, Westendstr. 89, 60325 Frankfurt am Main

Programm:

(Kürzel: GU = Goethe-Universität Frankfurt, UU = Universität Utrecht, IGAIW = Institut für Geschichte der Arabisch-Islamischen Wissenschaften)

9:30 Eröffnung

Dr. Klaus Zimmermann (IGAIW) und *Prof. Dr. Jan P. Hogendijk* (UU)

Eröffnungsvortrag *Prof. Dr. David A King* (GU):
„Astronomical instruments of the European Renaissance and earlier Islamic examples of the same instruments"

10:30 Kaffee

11:00 Thema: Neuere Forschungen

Dr. Carl Ehrig-Eggert (IGAIW):
„Averroes' Epitome zu den aristotelischen Ersten Analytiken: Modallogik und Medizin"

Dr. Petra Schmidl (GU):
„Die Tierlauttabelle in al-Ašraf 'Umars *Kitāb aṭ-Tabṣira fi 'ilm an-nuǧūm*"

Dr. Fabian Käs (Universität zu Köln):
„Ibn al-Ǧazzārs wiederentdecktes Buch der Gifte"

(jeweils 25 Min. + 5 Min. Diskussion)

12:30 Lunch

14:00 Thema: Weiterreichende Perspektiven

Prof. Dr. Moritz Epple (GU):
„Zur Bedeutung der klassischen arabisch-islamischen Wissenschaft für die Wissenschaftsgeschichte: Einige offene Fragen" (25 Min. + 5 Min. Diskussion)

Dr. Eric van Lit (Dept. of Philosophy, UU):
„Historiker der Wissenschaft als Brückenbauer zwischen den 'Digital' und 'Humanities'" (25 Min. + 5 Min. Diskussion)

Alle: Diskussion „Das IGAIW im digitalen Zeitalter" (30 Min)

15:30 Tee

16:00 Thema: Popularisierung

Astrolabien Workshop (*Hüseyin Şen* und *Wilfred de Graaf*, beide UU) im Museum

Museums- und Institutsführung
(Diskussion

17:15 Gemeinsamer Ausklang

Weitere Teilnehmer:
Prof. Dr. Annette Imhausen (GU)
Farid Benfeghoul (ehem. IGAIW)
Dr. Eckard Neubauer (ehem. IGAIW)
Mazen Amawi (IGAIW)
Lutz Kotthoff (IGAIW)
Norbert Löchter (IGAIW)
Dr. Gesine Yildiz (IGAIW)

Wissenschaftliche Leitung: *Prof. Dr. Jan P. Hogendijk* (UU)

Organisation: *Lutz Kotthoff, Dr. Gesine Yildiz* (IGAIW)