



WORLD
COPERNICAN
CONGRESS



NICOLAUS COPERNICUS
UNIVERSITY
IN TORUŃ



Copernicus and Astronomy: Continuity, Reform, and Dissemination

12–15.09.2023

NCU Faculty of Economic
Sciences and Management
Gagarina 13a, 87-100 Toruń



12 September (Tuesday)

PTOLEMAIC AND ALFONSINE HERITAGE

08.00-09.00 **REGISTRATION**

09.00-09.30 **CONFERENCE OPENING**

09.30-10.30 **PLENARY LECTURE**

F. JAMIL RAGEP, Institute of Islamic Studies, McGill University, Canada
(Professor Emeritus) - **The Genius of Nicholas Copernicus: An Islamic Perspective**

SESSION 1

10.30-11.00 **Islamic Astronomical Handbooks with Tables (*Zījes*) and their Transmission to Medieval Europe**, Benno van Dalen, Ptolemaeus Arabus et Latinus – Bayerische Akademie der Wissenschaften, Germany

11.00-11.30 **Al-Farghani's *Elements of Astronomy*: A Classified Account of Planetary Motions**, Razieh S. Mousavi, Max Planck Institute for the History of Science, Humboldt University of Berlin, Germany



11.30-12.00 **COFFEE/TEA BREAK**

SESSION 2

12.00-12.30 **Pre-Copernican Views of the Earth vis-à-vis Natural Philosophy**,
Fateme Savadi, Institute of Islamic Studies, McGill University, Canada

12.30-13.00 **Sizes, Distances, and Order: Celestial Reckoning in Late Medieval
Islam**, Sally P. Ragep, Institute of Islamic Studies, McGill University, Canada

13.00-13.30 **Sizes and Distances of the Celestial Bodies in ‘Alī al-Qūshjī’s
Astronomy: A Historical and Mathematical Analysis**, Hasan Umut, Department
of History, Boğaziçi University, Turkey

13.30-14.00 **Heliocentric Bias in Ptolemaic Astronomy**, Sajjad Nikfahm-
Khubravan, University of New Hampshire, USA

14.00-15.30 **LUNCH**



13 September (Wednesday)

PTOLEMAIC AND ALFONSINE HERITAGE

09.30-10.30 PLENARY LECTURE

MICHAEL H. SHANK, University of Wisconsin-Madison, USA (Professor Emeritus)

The 'Monsters' of Astronomy Before Copernicus: Regiomontanus's Criticisms of Ptolemaic Modeling in the *Defensio Theonis*

SESSION 3

10.30-11.00 Homocentric Astronomy and Copernicus, Robert G. Morrison,
Bowdoin College, USA

11.00-11.30 Without Translators No Latin Astronomy: On the Status Quo of Research on Medieval Translators of Astronomy from Arabic into Latin, Dag Nikolaus Hasse, Julius-Maximilians-Universität Würzburg, Germany

11.30-12.00 COFFEE/TEA BREAK



SESSION 4

12.00-12.30 Non-Ptolemaic Astronomy in Twelfth-century Latin Europe,
Philipp Nothaft, All Souls College, University of Oxford, UK

**12.30-13.00 Manuscripts Count? A Subjective View of the Alfonsine Tradition
with Questions in the End,** Matthieu Husson, SYRTE, Observatoire de Paris -
Université PSL, CNRS, Sorbonne Université, LNE, France

**13.00-13.30 The Equation of Time in the Epitome Almagesti and
Other Latin Almagest Commentaries,** Henry Zepeda, Wyoming
Catholic College, USA

13.30-15.30 LUNCH



SESSION 5

15.30-16.00 **Examining Astronomical Traditions in the Late Byzantine World (13–15 c.)**, Alberto Bardi, Department of the History of Science, Tsinghua University, China

16.00-16.30 **The Place of the Alfonsine Tables of Paris in Late Byzantine Astronomy**, Anne-Laurence Caudano, University of Winnipeg, Canada

16.30-17.00 **The Astronomy of Copernicus and the Image of Copernicus in Hebrew Sources, from the 16th Century to the Present**, Y. Tzvi Langermann, Professor Emeritus, Bar Ilan University, Israel

14 September (Thursday)

COPERNICAN ASTRONOMY

09.00-10.00 **PLENARY LECTURE**

ROBERT S. WESTMAN, University of California San Diego, USA (Professor Emeritus)

Copernicus and the Problem of Astrology: Some Remarks on the State of the Question



SESSION 6

10.00-10.30 **Copernicus and the Stams Astronomical Table of 1428**, Richard L. Kremer, Professor Emeritus of History, Dartmouth College, USA

10.30-11.00 **The Motivation and Trajectory of Copernicus's Early 'Homocentric' Planetary 'Models'**, André Goddu, Emeritus Professor of Astronomy and Physics, Stonehill College, USA

11.00-11.30 **Celio Calcagnini's Philosophical Defense of the Motion of the Earth (ca.1518)**, Pietro Daniel Omodeo, Ca' Foscari University of Venice, Italy

11.30-12.00 **COFFEE/TEA BREAK**

SESSION 7

12.00-12.30 **Copernicus' Heliograph in Olsztyn**, Gerd Graßhoff, Humboldt University of Berlin, Berlin Institute for the Foundation of Learning and Data, Germany

12.30-13.00 **Copernicus's Astrological Expertise**, David Juste, Ptolemaeus Arabus et Latinus – Bayerische Akademie der Wissenschaften, Germany



13.00-14.30 **LUNCH**

15 September (Friday)

EARLY RECEPTION

SESSION 8

08.30-09.00 **The Keplerian Interpretation of Aristarchus's Copernicanism**,
Christián Carlos Carman, National University of Quilmes, Argentina

09.00-09.30 **'And here appeareth the lawfull use of Astrologie': On the Distances
and**

**Sizes of the Planets in the Heliocentric Cosmos as Discussed in London in the
Year 1603**, Jarosław Włodarczyk, Institute for the History of Science, Polish
Academy of Sciences, Poland

09.30-10.00 **Reframing Copernicus' Earth–Moon *cognatio*: From Similarities to
Evidence in Favor of Heliocentrism**, Natacha Fabbri, Museo Galileo. Istituto e
Museo di Storia della Scienza, Italy



10.00-10.30 **Copernicans in Their Own Way: Struggling with Heliocentrism within the Academy of the Linceans (1603–1630)**, Federica Favino, Sapienza University, Italy

10.30-11.00 **COFFEE/TEA BREAK**

SESSION 9

11.00-11.30 **The Initial Reception of Copernicus in Spain: From Jerónimo de Chaves and Jerónimo Muñoz to Diego de Mesa and Juan Cedillo Díaz**, Miguel Ángel Granada, University of Barcelona, Spain

11.30-12.00 **Copernicus in Astrological Works: Spanish Early Modern Authors**, Tayra MC Lanuza-Navarro, Ca Foscari Università di Venezia, Italy / Universitat Pompeu Fabra Barcelona, Spain

12.00-12.30 **Copernicus Biographies and Biographical Essays as Part of the Culture of Remembrance**, Andreas Kühne, Ludwig-Maximilians-Universität, Munich, Germany

12.30-13.00 **CONFERENCE CLOSURE**

13.00-14.30 **LUNCH**



ORGANIZERS

Main organizer



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