

Sunday, 18

18:00-20:00 **ARRIVAL and Registration** Registration desk opened

Monday, 19

8:30-9:30 **Registration** Registration continuing

9:30-10:00 **WELCOME ADDRESS**

Câmara Municipal de Évora

Universidade de Évora

10:00-10:45 **OPENING OF THE CONFERENCE**

Juan Belmonte Aviles, President of SEAC

Invited Speaker: Michael A. Rappenglück,
Secretary of SEAC

VOYAGES GUIDED BY THE SKIES: ANCIENT CONCEPTS OF EXPLORING AND DOMESTICATING TIME AND SPACE ACROSS CULTURES

10:45-11:00 Coffee break

11:00 **MORNING SESSION: Astronomical Navigation –
An Encounter of Worlds**

11:00-11:30 Invited Speaker: José Manuel Malhão Pereira The archaeology of the nautical astrolabe: news from a shipwreck in Namibia

11:30-12:00 Invited Speaker: Jarita Holbrook Celestial Navigation in the USA, Fiji, and Tunisia

12:00-12:20 Peter Chapman-Rietschi VOYAGERS

12:20-12:40 Manuel Pérez THE PROBLEM OF THE LONGITUDE IN THE 18th CENTURY: JORGE JUAN, ANTONIO DE ULLOA, AND THE EXPEDITION OF THE ACADEMY OF SCIENCES TO THE KINGDOM OF PERU

12:40-14:00 Lunch

14:00	AFTERNOON SESSION: Archaeoastronomical voyages in Antiquity, Egypt, Middle East and	
14:00-14:30	Invited Speaker: Giulio Magli	An archaeo-astronomical visit to the sacred landscape of the Old and the Middle Kingdom pyramids
14:30-14:50	Liritzis Ioannis, F. Vafea , G. Artelaris	ARCHAEOASTRONOMICAL INTERPRETATIONS FOR THE TEMPLE OF APOLLO, DELPHI
14:50-15:10	Florin Stanescu	ANCIENT TOPOMETRY. THE TRACING OF TOWNS IN THE ROMAN EPOCH: NEW CONSIDERATION CONCERNING ULPIA TRAIANA SARMIZEGETUSA - ROMANIA
15:10-15:30	Mary Blomberg, Göran Henriksson	Orientations of Bronze Age buildings on Crete and their relationships to the Minoan calendar
15:30-15:50	Vance Tiede	Ziggurat, Khirigsuur & Ling: Ancient Astro-Architecture Across Asia
15:50-16:10	Coffee break	
16:10-16:40	Invited Speaker: Nicholas Campion	Defining Astrology in Ancient and Classical History
16:40-17:00	Xenophon Moussas	Early Greek Astrophysics
17:00-17:20	Göran Henriksson	A total solar eclipse depicted on a protoliterate Sumerian cylinder seal - a new calibration of the lunar secular acceleration
17:20-17:40	Manuela Revello	Orion in Homer: is it a terrestrial, an astral or an astronomical myth?
17:40-18:00	Marcello Ranieri	Himera and Pyrgi: the diagonals and the alignments of the temples
18:00-18:20	André Henriques	Plato's cosmic theology: a rationale for a polytheistic astrology?
19:00	WELCOME COCKTAIL at Câmara Municipal de Évora	
Tuesday, 20	MORNING SESSION: Ethnoastronomical voyages in Africa, Asia, Europe and Oceania	
8:30-9:00	Invited Speaker: J. McKim Malville	Reading Alien Landscapes: Thick Descriptions versus Euro-centrism
9:00-9:20	Irakli Simonia, Tsitsino Simonia	Astronomy in Georgian Culture from Megalithic Monuments to Oral Stories

9:20-9:40	Alba Aller Egea, Juan Belmonte	Statistical analysis of temple orientation in ancient India
9:40-10:00	Barth Chukwuezi	Evidence of Astronomy in Monoliths - A Case Study of Astronomical Orientation in Ikom Stone Monoliths, South Eastern Nigeria
10:00-10:20	Seyyed Hadi Tabatabaei, Ali Ajabshirizadeh, Ayda Torabi	A review to Calendars, Time Keeping methods and Ethnoastronomical behaviors of Turks, Kurds and Assyrians in Azerbaijan and North Western Part of Iran
10:20-10:40	Coffee break	
10:40-11:10	Invited Speaker: David Pankenier	China, the 'Babylon of the East': Cultural Influences in Early East Asian Astronomy
11:10-11:30	Nyssonbay Bekbassar	Ancient constellations of the Central Asia
11:30-11:50	C. Oliveira	THE COSMOS IN PORTUGUESE POPULAR TRADITION: A bibliographic and field work approach
11:50-12:10	R. M. Frank	Basque stone octagons: Outlines of a fossilized celestial and terrestrial navigation system
12:10-12:30	Joerg Baecker	The Cosmic Tree. Problems of its origin, diffusion and typological aereas
12:30-12:50	Alex Cherney, John Morieson	When the Giant Fish leaves the sky it is time to travel
12:50-13:10	Audrius Beinorius	On the Intercourse between Indian and the Arabic / Persian Astrology
13:10-13:30	Marea Atkinson	The intangible and tangible heritage of the interwoven relationship between the stars, environment, law, art and people in Australian Aboriginal and Torres Strait Island cultures
13:30-14:45	Lunch	
14:45	AFTERNOON SESSION: Ethnoastronomical voyages in North America, Mesoamerica and	
14:45-15:15	Invited Speaker: Alejandro Martín López	Shaking Eden: Voyages, Bodies and Change in the Social Construction of South American Skies
15:15-15:45	Invited Speaker: Ivan Sprajc	Astronomical significance of architectural orientations in the Maya Lowlands: new data, analyses and interpretations
15:45-16:05	Agustina Altman	Sky travelers: cosmos' experiences among evangelical Indians from Argentinean Chaco
16:05-16:25	Sepp Rothwangl	Is the Mayan Tzolkin closing a Gap between the lunisolar Metonic cycle and the Long Count?

16:25-16:45	Coffee break	
16:45-17:15	Invited Speaker: Mariusz Ziólkowski	In memory of Robert Sadowski: Astronomy and calendars of the Inca Empire - new developments
17:15-17:35	Giuseppe Ciancia	New World, Old Stars? Divination with the Stars amongst the J'alqas, Bolivia An Opportunity for a few Epistemological Considerations in the Field of Cultural Astronomy
17:35-17:55	Ronaldo Mourão	The aspects of the Brazilian Archaeoastronomical Culture.

21:00 **PUBLIC LECTURES**

21:00-21:45	Invited Speaker: Luísa Pereira	The voyage of human genes
21:45-22:30	Invited Speaker: Juan Belmonte Avilés	The Voyages of the Zodiac: an impenitent traveller across lands and ages

Wednesday, 21

MORNING SESSION: Archaeoastronomical voyages in Paleolithic and Neolithic cultures

8:30-9:00	Invited Speaker: Marciano da Silva	Elements of Archaeoastronomy in Portugal
9:00-9:20	Monica Argenta, Giuseppe Brunod, Melchiorre Masali	Criminologists, Structuralists and Astronomists :A Brief History on the studies of rock carvings in Valcamonica
9:20-9:40	Liz Henty	A Voyage Around the Recumbent Stone Circles of NE Scotland
9:40-10:00	Claus Clausen	Danish passage graves, "spring/summer/fall full moons" and lunar standstills
10:00-10:20	Javier Mejuto	DITCHED ENCLOSURES IN SOUTHERN PORTUGAL: AN ARCHAEOASTRONOMICAL POINT OF VIEW OF PORTUGUESE NEOLITHIC AND CHALCOLITHIC
10:20-10:40	Coffee Break	
10:40-11:10	Invited Speaker: Manuel Calado	Central Alentejo: beyond megalithic orientations
11:10-11:30	F. Silva, F. Pimenta	The Sun and Moon's voyages along the horizon: Crossovers, Stones and Calendars

11:30-11:50	Tore Lomsdalen	A possible Astronomical Intentionality for the Mnajdra South Temple in Malta
11:50-12:10	Morgan Sterling Saletta	Stones of Earth and Sky: megalithic monuments, the voyage of ideas, and the 'Cosmological Package'
12:10-12:30	Georg Zotti	Astronomical and Topographical Orientations of Kreisgrabenanlagen in Lower Austria
12:30-12:50	Marianna Ridderstad and Fabio Silva	NEW ORIENTATIONS IN THE GIANTS' CHURCHES
12:50-14:00	Lunch	
14:00	½ day excursion to Anta Grande do Zambujeiro and Almendres	
17:00-19:00	Walking tour inside Évora's walls with stop for wine taste	
Thursday, 22	MORNING SESSION: Archaeoastronomical voyages in Paleolithic and Neolithic cultures	
8:30-9:00	Invited Speaker: Lionel Sims	The Journey Out of Africa: the solarisation of the moon
9:00-9:20	Roslyn M. Frank, Sergio Cardoso	Megaliths and Genetics: Implications of the Franco-Cantabrian Refugium Theory
9:20-9:40	Daniel Brown, Andy Alder	A proposed seasonal sundial at Gardom's Edge
9:40-10:00	Maria da Conceição de Moraes Coutinho Beltrão	Brazilian Prehistoric man's knowledge of astronomy
10:00-10:20	K.P. Rao	STARS AND STONES : THE INTERPRETATION OF MEGALITHIC CUP-MARKS FROM SOUTH INDIA
10:20-10:35	Coffee Break	
10:35	MORNING SESSION: Archaeoastronomical voyages in Chalcolithic, Bronze and Iron Ages	
10:35-11:05	Invited Speaker: Emilia Pasztor	Symbols for ever? Voyages in the celestial symbols over the Prehistoric Europe and over the time
11:05-11:35	Invited Speaker: Frank Prendergast	A place along the way - contextualising findings from the Iron Age post enclosure at Lismullin, Co. Meath, Ireland

11:35-11:55	Elio Antonello, V. F. Polcaro, A.M. Tunzi Sisto, M. Lo Zupone	Astronomical orientations in sanctuaries of Daunia
11:55-12:15	Marco García Quintela, Yolanda Seoane Veiga, A. César González García, Rebeca Blanco Rotea	ARCHAEOLOGY, HAGIOGRAPHY & SOLAR ORIENTATIONS IN SANTA MARIÑA DE AUGAS SANTAS (OURENSE, ESPAÑA)
12:15-12:35	Joanna Dobrawa Kozakiewicz	Krakow's prehistoric monumental mounds
12:35-14:00	Lunch	
14:00-14:30	Open rock art in the central north of Portugal, an introduction to the week-end excursion	Open rock art in the central north of Portugal, an introduction to the week-end excursion
14:30-14:50	M ^a . Pilar Burillo-Cuadrado	A myth in Celtiberian astronomy: the return of the Sun during the night
14:50-15:10	F. Burillo-Mozota, M. Pérez-Gutiérrez	Results from the archaeological excavation in the astronomical sanctuary of the Celtiberian town of Segeda (Mara, Zaragoza, Spain)
15:10-15:30	Abasali Rustamov	MODELING AND ANALYSIS OF THE SUNDIAL OBSERVATORY OF GOBUSTAN, AZERBAIJAN
13:30-15:45	Coffee Break	
15:45	AFTERNOON SESSION: Archaeoastronomical voyages in Medieval Time in Orient and	
15:45-16:15	Invited Speaker: A. César González-García	A voyage of Christian medieval astronomy: symbolic, ritual and political orientation of churches
16:15-16:35	V.F. Polcaro, F. Bònoli, M. Incerti	TRANSIENT ASTRONOMICAL EVENTS AS INSPIRATION SOURCES OF MEDIEVAL ART: III The 13th and 14th Century
16:35-16:55	Marianna Ridderstad	Solar and calendrical symbolism in the Early Medieval Finnish church murals
16:55-17:15	Peter Hoare and Hans Ketel	English medieval churches, festival orientation and William Wordsworth
17:15	POSTER SESSION	
17:15-17:28	Carlos Mallamaci	Starting Archaeoastronomy Studies at the National University of San Juan, Argentina
17:28-18:41	Rosa M. Herrera	Evangelista Torricelli and Astronomy
17:41-17:54	Seyyed Hadi Tabatabaei, Vahid Boostan Ahmadi, Reza Heydari	Study of Archeological Findings Related to Astronomy in Rabat Archeological Site with Possible Astronomical Uses

17:54-18:07	Victor Alves Alencar	Teaching Cultural Astronomy for Brazilian young students
18:07-18:20	Andrey V. Kuzmin	The Birth of Nomography
18:20-18:33	Rosa Doran	History, Culture, Myths and Astronomy - Connecting dots for an Inquiry Based Science Education
	Iurii Mosenkis	Astronomical Odyssey

21:00 **PUBLIC LECTURES**

21:00-21:45	Invited Speaker: Clive Ruggles	NAVIGATION, CALENDARS, AND TEMPLES: INTERCONNECTIVITIES OF POLYNESIAN SKY KNOWLEDGE
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Friday, 23 MORNING SESSION: History of Astronomy – An Encounter of Cultures

08:30-9:00	Invited Speaker: Henrique Leitão	Manuel Dias and the Tianwenlüe: a 17th cent. dialogue on astronomy between Europe and China
9:00-9:30	Invited Speaker: Shi Yunli	From Confrontation to Accommodation: The Cultural Dimension of European Astronomy in China (1583-1840)"
9:30-9:50	Alejandro Martín López	Gods, demonds and deceivers: jesuits facing Chaco skies
9:50-10:10	Larry D. Harwood	The Jesuit Ricci and the Humanistic Chinese Universe
10:10-10:30	Ari Belenkiy	Easter as a Fundamental Cause of Violence in the Late Antiquity: Alexandrian Easter Computus, Easter 414 AD and Hypatia's Murder Case Reopened
10:30-10:50	Coffe Break	
10:50-11:10	Elio Antonello	Boscovich, the Brera Observatory and the Enlightenment
11:10-11:30	Jody Morellato	Archaeology and Astronomy. A 300-year voyage"
11:30-11:50	Rosário Salema de Carvalho, Samuel Gessner, Luís Tirapicos	Astronomy and the "azulejos" of Portuguese Jesuit colleges

11:50-12:10	V.F. Polcaro	The role of Cultural Astronomy in bridging the Snow's "Two Cultures": some Italian experiences
12:10	Astronomical Navigation – An Encounter of Worlds	
12:10-12:30	Bernadette Brady	Star lines, and Stones
12:30	Archaeoastronomical voyages in Antiquity, Egypt, Middle East and Mediterranean	
12:30-12:50	Efrosyni Boutsikas	The role of astronomical observations in the Greek cults of Apollo in Delos, Delphi and Dreros
12:50-14:00	Lunch	
14:00-16:00	Round Table: To Where is Archaeoastronomy voyaging? Archaeoastronomy, Cultural	
	Invited Speaker: Stanisław Iwaniszewski	Navigating between the Scylla of social constructivism and Charybdis of logical empiricism: the construction of facts in Cultural Astronomy
	Invited Speaker: Lionel Sims	
16:00-16:20	Coffee break	
16:20-19:00	SEAC General Assembly	
20:00	Closing Dinner in “Celeiros de Évora” with “Grupo de Cantares de Évora”	