

## Preliminary Program

Mon	18:00-21.00	Welcome	
Tue	9:00 - 10:00	Opening	
	10:00 - 10:35	Taub L.	Where did astronomy 'sit' in ancient Greek and Roman culture?
	10:35 - 10:55	Latura G.	Planetary Harmonies & Celestial Symmetries
	10:55 - 11:25	Coffee Break	
	11:25 - 11:45	Michel C.	Constructed Knowledge? – New insights on visual characteristics of Middle Neolithic Roundels
	11:45 - 12:05	Frincu M.	Vršac Circles and Vlajkovac Predial, a possible pair of archaeoastronomy related sites in the South Banat district,
	12:05 - 12:25	Gautschy R.	Tu Common features of megalithic stone rows in western Switzerland
	12:25 - 12:45	Henriksson G.	Megalithic Total Solar Eclipses
	12:45 - 13:05	Kollerstrom N.	The Lunar meaning of Avebury and Stonehenge
	13:05 - 14:30	Lunch	
	14:30 - 14:50	Blomberg M.	The historical significance of the orientations of the chamber-tombs of Bronze Age Crete near Mavro Spelio (Black Cave)
	14:50 - 15:10	Ridderstad M.P.	Games for Cosmos: How the Minoan elite ruled their people by mastering ritual performance and the cycles of time
	15:10 - 15:30	Cristofaro I.	A Journey to the Late Bronze Age Minoan Underworld: The Reflection of Sunlight on the Sea as an Axis Mundi
	15:30 - 15:50	Rappenglück B.	Exceptional evidence of a prehistoric meteorite impact at the archaeological site of Stötttham (Chiemgau, SE-Germany)
	15:50 - 16:10	Thuillard M.	A statistical and Information-Theoretical Analysis of the Motifs on Bronze Age Golden Hats.

	16:10 - 16:30	Coffee Break	
	16:30 - 16:50	Wanek S.	Was the knowledge of the spherical shape of the Earth in roman imperial period reserved to the elite or was it common knowledge?
	16:50 - 17:10	Lanciano N.	Which rule for the order of days in the week in artifacts from Roman times to 1600
	17:10 - 17:30	Liritzis J.	The Horologion of Andronikos Kyrrehestes (Athens, Greece): Investigation of its eight plane sundials
	17:30 - 17:50	Silva F.	Introducing skyscapeR, an open-source R package for data reduction, visualization and analysis in cultural astronomy
	17:50 - 18:10	Zotti G.	A Virtual Park of Astronomical Instruments

Wed	9:00 - 9:20	Sims L.	"Th'inconstant Moon": lunar celestial mechanics as a template for ritual transformations.
	9:20 - 9:40	González-García A.C.	Lunar Standstills or Lunastices: a lunatic myth or a moonly reality?
	9:40 - 10:00	Rappenglück M.A.	A Catchy World Model: The Concept(s) of Cosmic Mountain(s) Used by Ancient Cultures
	10:00 - 10:20	Brown D.	Empowering Sky Imagery
	10:20 - 10:40	Feeney-Beaton M.H.	Weaving as cosmic instrument: a sublimation of the vertical and the horizontal
	10:40 - 11:10	Coffee Break	
	11:10 - 11:30	Motta S.	The "Intihuatana" of Saywite (Perù): an archaeoastronomical investigation on the role of time marker of the gnomon
	11:30 - 11:50	Malville J. M.	Llactapata and the Puzzle of the Two Coricanchas
	11:50 - 12:10	Benfer R.A.	A Condor Shaped Stone Pillar that Marked the Equinox 2,000 Years Ago at the Adean Site of Buena Vista
	12:10 - 12:30	Balbi J.N.	Meaning and coincidences. A study into the archeoastronomy of Inka structures and their ritual significance
	12:30 - 14:30	Lunch	
	14:30 - 15:30	Kaiser B.	Schloss Eggenberg - A Symbolic World
	16:00 - 18:00	Guided Tours of Eggenberg Castle	
	19:00 - 21:00	Reception by the Mayor of Graz (Town Hall)	

Thu	9:00 - 9:35	Pankenier D.W.	Planetary Astrology in Early China and the Sāsānian Connection
	9:35 - 9:55	Perez-Enriquez R.	Astronomical and Geographical Features of Zhoubi Deduced from Mythology and Gnomonic
	9:55 - 10:15	Kirillov A.	Calendar meaning of Timber-grave community pottery ornament in accordance with the Vedic tradition of the sacrifice
	10:15 - 10:35	Goto A.	Archaeoastronomy of Japan: a short history
	10:35 - 11:00	Coffee Break	
	11:00 - 11:20	Leimlehner A.B.	Solar Returns: From observing the sky to observing birthdays
	11:20 - 11:40	Wood F.S.	The 19-year Luni-solar Cycle of the Odyssey, the Pylos Combat Warrior Seal and the Antikythera Mechanism
	11:40 - 12:00	Manglova P.	Structure of the sacred space, astronomical orientation and functional evolution of the rock-cut monument near the village of Lilych, Kyustendil region, Bulgaria
	12:00 - 12:20	Zangger E.	The Hittite Rock Sanctuary of Yazılıkaya: A Lunisolar Calendar from c. 1250 B.
	12:20 - 12:40	Silva F.	A robust statistical significance test for the orientation of archaeological structures
	12:40 - 14:00	Lunch	
	14:00 - 14:20	Campion N.	Politics, Harmony and Managing Change in Kepler's Astronomy
	14:20 - 14:40	Adamo A.	When astronomy is more understandable than art - keplerian prodromes of a musical revolution
	14:40 - 15:00	Velo U.	The harmony of J. Kepler. Elliptical form in geometry and music
	15:00 - 15:20	Rothwangl S.	Kepler's calculations of the Creation's date, compared to Dionysius Exiguus' Adjustment of Anno Domini
	15:20 - 16:30	Poster and coffee	
	16:30 - 19:00	Guided City Tours and visit of the Kepler Museum	

Fri	9:00 - 9:35	Baki P.	Astronomy and Indigenous Technologies in Africa
	9:35 - 9:55	Chukwuetzi B.	The regularities of the celestial forces; the concept of the sun and the moon in Igbo world view
	9:55 - 10:15	Assasi R.	Origins of Ka'ba and The Celestial Order
	10:15 - 10:35	Mohammad S. Mozaffari	A New Light on the Central Instrument of the Samarqand Observatory
	10:35 - 10:55	Bekbassar N.	Numerical, Geometric and Orientation Properties of "Steppe Geoglyphs" in Kazakhstan
	10:55 - 11:15	Coffee Break	
	11:15 - 12:45	SEAC General Assembly	
	12:45 - 14:00	Lunch	
	14:00 - 14:20	Galindo Trejo J.	The calendrical period of 13 days as a basis to explain the solar orientation of architectural structures in Mesoamerica
	14:20 - 14:40	Iwaniszewski S.	The use of the Palenque ratio in the Lunar Series as a means to preserve the legitimacy of the ruling dynasty of the Palenque kingdom
	14:40 - 15:00	Sprajc I.	Solar alignments and observational techniques in Mesoamerica
	15:00 - 15:20	Hohmann H.	Calendar House at Copan? Significant orientations of structures in the Sepulturas region
	15:20 - 15:40	Barrera Atuesta C.E.	Harmonic Cycles and Symmetric Time Structures in Mesoamerican Architecture
	15:40 - 16:00	Mejuto J.	Tolupan Universe: A Mesoamerican cosmivision
	16:00 - 16:30	Coffee Break	
	16:30 - 16:50	Incerti M.	The astrological cycle of Schifanoia: the complexity of content through digital representation
	16:50 - 17:10	Leone I.	Diachronic evolution of the orientation of the early Christian and medieval churches of Rome
	17:10 - 17:30	Ragkos N.	Intellectual transformations during Renaissance - The change of worldview - Impacts on the architectural thought and creation in the Czech lands during 16th and early 17th century

	17:30 - 17:50	Spinazzè E.	The orientation of Roman centuriations. Disposition of Christian medieval sacred buildings inside the Roman centuria situated in Northern Italy
	19:00 - 21:00	Reception by the Governor of Styria (Orangerie)	
Sa	9:00 - 9:35	Hunger H.	Celestial regularity as a basis of time reckoning
	9:35 - 9:55	Hoffmann S.M.	Harmony and symmetry: The Planetarium Babylonicum of MUL.APIN
	9:55 - 10:15	Tiede V.	Ziggurats of Mesopotamia: An Astro-Archaeological Analysis
	10:15 - 10:35	Gullberg S.R.	A Cultural Comparison of Dark Sky Constellations
	10:35 - 11:00	Coffee Break	
	11:00 - 11:20	Belmonte J.A.	On the orientation of Roman cities in the Illyrian coast: a statistical and comparative study
	11:20 - 11:40	Bekbassar N.	Numerical, Geometric and Orientation Properties of "Steppe Geoglyphs" in Kazakhstan
	11:40 - 12:00	Bajic A.	The summer solstice Sun in Lepenski Vir
	12:00 - 12:20	Dilanian K.	"Harmonices Mundi" by Johannes Kepler and Georg Kraft's prediction for ice drift on the Neva River in 1732
	12:20 - 14:00	Lunch	
	14:00 - 14:20	Gropp H.	The Gregorian calendar in Austria and Johannes Kepler
	14:20 - 14:40	Draxler S.	The calendar table in Stift Rein
	14:40 - 15:00	Gullberg S.R.	Notes from the IAU Working Group for Archaeoastronomy and Astronomy in Culture
	15:00 - 15:30	Coffee Break	
	15:30 - 17:00	Frank R.M., Iwaniszewsky S., Malville K., Lopez A.M., Silva F.	<b>Round Table:</b> The Ontological Turn in Anthropology and Archaeology and Its Importance for Cultural Astronomy
	19:00 - 22:00	Conference Dinner	

	Poster presentations		
	Poster 1	Bajic A. & Dimitrijevic M.S.	Archaeoastronomical investigation of Felix Romuliana
	Poster 2	Gandolfi G.	An Astrological Print by Hans Baldung Grien
	Poster 3	Impey C.	Orbits and our Understanding of the Universe
	Poster 4	Kale J.	Sky as the cultural landscape
	Poster 5	Motta S.	The case of the enclosure burials of Bonlez (Belgium): an archaeoastronomical analysis
	Poster 6	Latura G.	'Child of Earth & Starry Sky' – Orphic/Bacchic Gold Lamellae
	Poster 7	Latura G. & Rothwangl S.	In Harmony with the Cosmos: Of Calendars & Priests
	Poster 8	Perkins D.K.	The Universe Isn't Silent: Electroacoustic Ensembles with Life 2.0
	Poster 9	Perez-Enriquez R.	Identification of Seris' Constellations from Memory and Experience
	Poster 10	Mejuto J.	Building a robust methodology in archaeoastronomy
	Poster 11	Gottlieb-Roberts M.	Rembrandt and the Telescope
	Poster 12	Rothwangl S.	A Vulva-like Rock Sculpture at Externsteine/Germany and Fullmoon as Indication for Sexual Rituals
	Poster 13	Maglova P.	Eneolithic solar calendar in the Magura cave near the village of Rabisha, Belogradchik municipality, Bulgaria
	Poster 14	Maglova P.	Development over time and astronomical orientations of the Demir Baba teke near the village of Sveshtari, Bulgaria
	Poster 15	Türler M.	Poster A calendrical interpretation of spirals in Irish megalithic art
	Poster 16	Wokke A.	Poster Astronomy in the northern Bronze Age. The ring patterns on the women's belt plates astronomically/geometrically analyzed
	Poster 17	Ziolkowski M.	Poster A 17th century "Mountain Calendar" from Zywiec (Poland): an erudite's invention or a local Mountaineers' tradition?

	Poster 18	Spagocci S.	ARCHAEOASTRONOMICAL STRATIGRAPHY: INVESTIGATIONS ON A CISALPINE CELTIC ENCLOSURE
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