

Monday				
Time	Title		Presenter	Session
8.00-9.00	Registration			
9.00-9.20	Welcome to Country			
9.30-10.02	Conference opening			
10.00-10.45	Morning tea			
10.45-11.00	Bridging the Gap: Integrating Non-Invasive Technologies and Traditional Archaeological Methods in the Comprehensive Exploration of Colonia Ulpia Traiana (Xanten)		N. Babucic	2
11.00-11.15	Unearthing the history of the Victorian Volcanic Plain: Mapping stony rise landforms using remotely sensed data and a machine learning approach		S. Fraser	2
11.15-11.30	Mapping Ancient Lilybaeum. Strategies for complex multi-dimensional areas and different time phases in a two-dimensional WebGIS		A. GÜNGÖR	2 (Virtual)
11.30-11.45	A National Facility for the 3D Imaging of the Near Surface		I. Moffat	2
11.45-12.00	Session 2 - Extra discussion			
12.00-13.10	<b>Poster Session A</b>			
13.10-14.15	Lunch			
14.15-14.30	Combined hyperspectral imaging with portable spectroscopic investigations of Paleolithic cave art in the Font-de-Gaume cave		I. Reiche	1
14.30-14.45	Using spectroscopy to disentangle the chemistry of Australian plant exudates from a unique historical collection		R. Popelka-Filcoff	1
14.45-15.00	Multi-analytical Characterization of Ochre Pigments in Eswatini Rock Art		S. Mahan	1
15.00-15.15	Looking Closer: Indigenous Ochre Pigment Materiality and Rock Art Painters at Babine Lake, Canada		B.L. MacDonald	1
15.15-15.30	A new approach to ochre provenance: Using mineral magnetism to fingerprint cultural ochre sources.		M. Crombie	1 (Virtual)
15.30-15.45	Ochre: documenting sources and roasting 'Bininj way' in Mirarr Country, The Alligator Rivers Regions, Northern Australia.		J. Huntley	1
15.45-16.00	Session 1 - Extra discussion			
16.00-16.30	Afternoon tea/posters			
16.30-17.15	<b>Keynote "Two ways to see", A Rock Art Research Journey</b>		<b>I. Waina, A. Gleadow</b>	
18.00-20.00	<b>Welcome reception</b>			

Tuesday			
Time	Title	Presenter	Session
8.00-9.00	Registration		
9.00-9.15	Underwater archaeological sites and climate change: experimental study of the impact of ocean acidification on historical stone materials	L. Germinario	8
9.15-9.30	The influence of Mg in the cementation processes of ancient binding composites	V. Razzante	8
9.30-9.45	A Geochemical approach for tracing the Provenance of Mortar Binders – a case study from Sagalassos	M. Quilici	8
9.45-10.00	Developing an analysis technique of earthen architecture materials through soil micromorphology	S. Piña Guido	8 (Virtual)
10.00-10.15	Extra discussion		
10.15-10.45	Morning tea		
10.45-11.00	An archaeometric study of two sets of decorated wall plasters from the Agora of Nea Paphos, Cyprus	P. Pizzo	8
11.00-11.15	Building cisterns in ancient Cyprus: A diachronic study of plaster application and use.	M. Kalofonou	8
11.15-11.30	Extra discussion session 8		
11.30-12.40	<b>Poster Session A</b>		
12.40-13.45	Lunch		
12:50-13:45	<b>Panel Discussion: International Atomic Energy Agency</b>		
13:45-14:00	Practical advances towards safer analysis of heritage samples and objects	A. Simon	8
14.00-14.15	An experimental approach for a microwear study on Pinctada margaritifera from French Polynesia	J. McGloin	5
14.15-14.30	Residues and use wear traces on chipped stone artefacts from the Lake Mungo lunette in the Willandra Lakes Region World Heritage Area in south-eastern Australia.	N. Stern	5
14.30-14.45	Agriculture in the Highlands: perspectives from 3rd millennium BC Sos Höyük and Rabati.	C. Longford	7
14.45-15.00	New phytolith reference collections for reconstructing human-environment interactions in Sahul: standards moving forward	M. Turnbull	7
15.00-15.15	Trace element geochemistry in tufas suggests a much wetter early Holocene in the Darling Downs, Queensland	J. Mulder	7
15.15-15.30	Inter and intra-species variability in herbivore dental tribology patterns as paleoenvironmental indicators: Paleoecological implications for the Pleistocene of the Levant	M. Belmaker	7
15.30-15.45	Sessions 5 and 7 - Extra discussion		
15.45-16.15	Afternoon tea/posters		
16.15-16.30	Axes of power, axes of toil: the production and use wear of the ancient Egyptian and Nubian copper alloy axe blades within their contexts of use	M. Odler	5
16.30-16.45	Unveiling geoarchaeological origins of stone arhat statuettes in Naju, Korea	B. Chang	5
16.45-17.00	Quantifying the influence of argilliturbation on lithic artefacts in clay-rich soils: a case study from Middle Gidley Island, Murujuga, northwest Western Australia	C. Mather	5
17.00-17.45	<b>Keynote Biomolecular archaeology: challenging the future</b>	<b>E. Oras</b>	
18.00-20.00	<b>ECR event</b>		

**Wednesday**

<b>Time</b>	<b>Title</b>	<b>Presenter</b>	<b>Session</b>
8.00-9.00	Registration		
9.00-9.15	Interdisciplinary research to understand the formation and age of rock varnish at Murujuga, Western Australia	Y.L. Wu	3
9.15-9.30	To what extent high resolution mCT-scanning of hominin fossil remains may impact ESR and Radiocarbon dating results ?	M.Duval	3
9.30-9.45	A Turkana Tale: Stratigraphic complexities in interpreting ultra-high resolution $^{40}\text{Ar}$ - $^{39}\text{Ar}$ ages of closely spaced tuffs in Nadung'a, West Turkana	S. Samim	3
9.45-10.55	Morning tea/ <b>Poster Session B</b>		
10.55-11.10	Dose assessment of two fossil tooth fragments from Jebel Irhoud (Morocco) and Broken Hill (Zambia) using the SA decomposition $\text{CO}_2$ - radicals model in ESR dating	W. Yu	3
11.10-11.25	Chronometric ages for Australian Aboriginal Rock Art	D. Finch	3
11.25-11.40	Long and local trade in the Chalcolithic of the southern Iberia: The case of funerary votive assemblages from Perdigões, Portugal	I. Dias	5
11.40-11.55	A new method for quantifying flake scar organisation on cores using orientation statistics	S. Lin	5

Thursday				
Time	Title	Presenter	Session	
8.30-9.30	Registration			
9.30-9.45	The power of strontium – Exploring the full potential of strontium concentrations and isotope ratios in bioarchaeology	C. Snoek		4
9.45-10.00	Evidence for a microbial source of oxalate in rock coatings based on trace organic analysis	H. Green		4
10.00-10.15	Oxalic acid in atmospheric aerosols as a possible source of calcium oxalate rock coatings	J. Russ		4
10.15-10.45	Morning tea			
10.45-11.55	<b>Poster Session B</b>			
12.00-12.15	Identifying Elephant Species on Archaeological Ivory (...or not)	M. Murillo-Barroso		4
12.15-12.30	A fresh perspective on infrared spectroscopy as a prescreening method for molecular and stable isotopes analyses on ancient human bones	C. Scaggion	4 (Virtual)	
12.30-12.45	Collagen preservation in animal bones from tropical environments. Developing a baseline for palaeoproteomic analysis in Indo-Pacific archaeological sites	S. Samper Carro		4
12.45-13.00	Session 4 - Extra discussion			
13.00-14.00	Lunch			
14.00-14.15	Palaeohistopathology of Treponematosi: the value of histomorphometric analyses in infectious disease investigations	K. Cooke		4
14.15-14.30	Waves of change: Exploring socio-economic transformations in Western Eurasia through biomolecular and geochemical approaches	L. Pospieszny		4
14.30-14.45	Ceramic technologies in transition, or continuation? A petrographic and geochemical study of Hellenistic to Roman Imperial tableware from Sagalassos (SW Anatolia)	C. Keleşli		6
14.45-15.00	Variability in chaînes opératoires for negative painted pottery from Nariño, Colombia	C. Klesner		6
15.00-15.15	A multi-analytical approach applied to pottery from Oman as a key to understanding ancient Indian Ocean maritime trade.	D. Zampierin	6 (Virtual)	
15.15-15.30	Sessions 4 and 6 - Extra discussion			
15.30-17.00	<b>Afternoon tea/posters/AGM ISA and SAS</b>			
17.00-17.15	The copper provenance in the Shang period China	S. Liu		6
17.15-17.30	Technical and economic history of Western Han dynasty revealed by mirrors from Zonglvcheng cemetery, Linzi, China	J. Gao		6
17.30-17.45	The Empire of Silver: An insight of the Ming Dynasty silver-based monetary system from stylistic and scientific investigation of Ming silver Bullions	T. Liu		6

Friday				
Time	Title		Presenter	Session
8.00-9.00	Registration			
9.00-9.15	A comprehensive archaeometric study of the first half of the 1st millennium BCE glass from South Etruria and Latium		M. Gulmini	6
9.15-9.30	Piecing the shattered past: discovering the stained glass of late medieval Dubrovnik		A. Franjic	6
9.30-9.45	Using Sr and Nd isotopes to provenance plant-ash glass from the Silk Roads		Q.-Q. Lu	6
9.45-10.00	Characterization and new insights of the Warring States period faience beads from Gansu, China		L. Liu	6
10.00-10.15	Microstructure Analysis and Coloring Mechanism of the Jian Bowls		W. Li	6
10.15-10.30	Transformation and Adoption: 8th-13th Century Technical Innovations in Pottery in Raqqa Syria within a Comparative Study between it and Chinese Turquoise-Glazed Ware		L. Qin	6
10.30-10.45	Production of arsenical bronze using speiss on the Elephantine Island (Aswan, Egypt) during the Middle Kingdom (Middle Bronze Age)		J. Kmosek	6 (Virtual)
10.45-11.15	Morning tea			
11.15-11.30	Inferring Metallurgical Practices from Metallurgical Ceramic Fragments at Mayapan, Mexico		J. Meanwell	6
11.30-11.45	Reintegrating the local into the global: intra-regional movements and the symbolic values of imported Muisca gold (Colombia, AD 600-1600)		J. Vieri	6
11.45-12.00	Metals meet culture: Management and hoarding of metals in prehistoric southeastern Europe		V. Orfanou	6
12.00-12.15	Searching for the origins of early Islamic brass-making in the Middle East and Western Asia		M. Davis	6
12.15-13.25	<b>Poster Session B</b>			
12.30-13.30	Lunch			
13.30-13.45	Active arsenical copper alloying in the ancient Nile Valley		F. Rademakers	6
13.45-14.00	Copper-based metals from el Argar (Antas, Spain). A first detailed case study about Bronze Age metallurgy in Iberia		I. Montero-Ruiz	6
14.00-14.15	Session 6 - Extra discussion			
14.15-14.45	Poster session B			
14.45-15.15	Afternoon tea			
15.15-16.30	<b>Closing ceremony/Awards</b>			
19.00-22.00	<b>Conference dinner</b>			

Session A (Monday and Tuesday)		
Board number	Poster title	Presenter
1	Shining light on Aboriginal Australian ochre pigment provenance	N. Abrahams
2	Study of Newly Discovered Prehistoric Rock Art Sites in Panna District of Madhya Pradesh, India	Y.S. Farswan
3	Understanding rock art canvas options: whole rock trace element compositions of Rosemary Island and Burrup Peninsula gabbros (Dampier Archipelago, Western Australia)	I. Pathirage
4	Colourants in Illuminated Islamic Manuscripts: Qajar Period (1789–1925 C.E.), early modern Iran	M. Darzi
5	Geophysical methods, unmarked graves and the effects of seasonal rainfall on their detection.	A. Frost
6	Digital documentation of Ancestral Pueblo rock art from the Canyons of the Ancients National Monument, Mesa Verde region, southwestern Colorado (USA)	N. Kowalik
7	Radiocarbon Dating of Mummified Human Remains from the Maranga Archaeological Complex, Peru	J. Bąk
8	Regional paleomagnetism: towards a new dating tool for Australian Archaeology	A. Lise-Pronovost
9	Luminescence dating of Middle Palaeolithic site of Cova del Puntal del Gat (Benirredrà, València, Spain) – The challenge of calcite-rich contexts	I. Dias (behalf A.L. Rodrigues)
10	Application 40Ar/39Ar radiometric dating to archaeology: Case studies from Budj Bim, SE Australia and Turkana, Kenya	H. Dalton
11	A multi-analytical approach for tracking the provenance of stone materials used in the Roman towns of the Veneto region (North-Eastern Italy)	V. Razzante (behalf of S.Dilaria)
12	Marble Source Identification in the Provincial Roman City of Cuicul (Djemila, Algeria)	R. Tykot (behalf of J. Hermann)
13	Update of the Hispanic marble analytical database. Application to the archaeometry of Roman and Medieval pieces	M.P. Lapuente Mercadal
14	New Results from the Australasian pXRF Archaeological Researchers Collective	M. Richards
15	Damage and restoration of stone cultural pagoda composed of carbonate rock	J. Seo
16	Digital conservation of the megalithic landscape of Laos	L. Shewan
17	Quantitative use-wear analysis by optical profilometry of percussive stone tools from Kenya (Nyayanga, Early Stone Age)	L. Germinario (behalf of I.Caricola)
18	Late Bronze/Early Iron Age Obsidian Use at Santa Barbara di Bauladu in Sardinia (Italy)	R. Tykot
19	Sourcing of Obsidian Artifacts from Corbeddu Cave (Sardinia, Italy)	R. Tykot
20	What can <i>Conomurex luhuanus</i> tell us about the shellfishing behaviours of First Nations communities on the Great Barrier Reef?	M. Aldioostsalimi
21	Human-Environment Interactions at Zhaoguo Cave, southwestern China, from 38,000 cal BP to modern times	S. Bestel
22	Grave Insights: Cross-Species Health in pig burials at Manihina cemetery (Marquesas, Polynesia)	I. Claringbold
23	Palaeoclimatic support for the Pleistocene 'superhighway' through central Australia	C. Gould-Whaley
24	High-resolution paleoenvironmental reconstructions of MIS 3 Central Europe from oxygen and carbon isotope signatures in mammal teeth	Z. Liu
25	Western Micronesian Archaeology Recorded in Lake Sediments	J. Nalbant
26	The palaeoenvironmental context for early Pleistocene <i>Homo</i> dispersals in the Levant from multi proxy analyses of gastropod shells, Ubeidiya, Israel	A. Prendergast
27	People, mussels, and Country: Investigating human-mussel-environment relationships during the Late Quaternary on Ngintait and Latji Latji Country, south-east Australia	C. Stringer
28	Spectroscopic Characterization of Historic Fabrics: The Bossi Book, the Journal of the American Chemical Society, and other Surprising Sources of Dyestuff Samples	M.K. Donais
29	Can X-ray analyses help in authentication of papyrus dealer provenance narratives?	A. Mohamed
30	Procedural modelling as a tool for the study of ancient port developments. Nea Paphos case study	M. Nowak
31	An archaeometric study of two sets of decorated wall plasters from the Agora of Nea Paphos, Cyprus	P. Pizzo

Session B (Wednesday to Friday)			
Board number	Poster title	Presenter	Session
1	Imaging Diagnostics of Funerary Urns from Chazuta – Introductory Remarks	J. Bağ	4
2	Bucktooth and Dogtooth: Insights from Stable Isotopes on Diet, Territoriality, and Human-Animal Interaction in the Kentucky Bluegrass	R. Tykot (behalf of R.M. Bonzani)	4
3	Historical visits to northern Australia by island Southeast Asian mariners: Assessing their regions of origin, the forest and marine commodities they exported, and chronology, through archival research and residue analysis of their discarded earthenware	K. Clayton	4
4	"Betel juice, betel juice, betel juice": experimenting with stimulant narcotic Areca catechu L., Arecaceae	I.E. Dikkes-Hall	4
5	Do bivalve shells have uniform trace element distributions in contemporaneous growth increments? Investigating Tridacna shells through LIBS	B. Dong	4
6	Shifting foodways: biomolecular archaeology in Vanuatu	M. Leclerc	4
7	Life on a troubled border: Preliminary results from stable isotope investigations at a late medieval site in Dalmatia, Croatia	B. Muir	4
8	Examining Mobility at Sultana, Romania during the Eneolithic through Strontium Isotopic Analyses of Plants and Human Tooth Enamel	R. Tykot (behalf of A. Tafani)	4
9	Gas-Chromatography Mass Spectrometry and Proteomics Profiling of Organic Residues from Sicilian Early Bronze Age Pottery: First Evidence for Consumption of Horse Meat	R. Tykot (behalf of D. Tanasi)	4
10	Social Status and Dietary Variation in Medieval Coastal Kenya	R. Tykot	4
11	The Early Medieval Transition in Northeastern Italy: Data on Diet and Mobility	R. Tykot (behalf of A. Vianello)	4
12	Sophisticated cattle husbandry strategies at Halehaxite in the Tianshan Mountains: evidence from stable isotope and aDNA analysis	C. Yu	4
13	Preindustrial Copper Smelting in Western Mexico: A Technological Reconstruction	B. Maldonado	6
14	Let the sherds speak: Petrographic analysis of new ceramic finds from Ormi, Eastern Torres Strait	E. Nutman	6
15	Crafting Neolithic Narratives: A Comprehensive Study of Pottery and Plaster Technologies in Makri, Northern Greece	A. Barouda	6
16	Beneath the Surface: An Investigation of the Final Neolithic Banded Pottery in Taiwan through SEM-EDS and Petrography	I.T. Chen	6
17	Intra vessel variation: 3D geometric morphometrics of pre-Hispanic ceramics from the Nariño region of Colombia	R.R. Crawford	6
18	Using petrography, laser ablation inductively coupled plasma mass spectrometry (LA-ICPMS) and portable X-ray fluorescence (p-XRF) to distinguish between sherds made in the Markham Valley and Eastern Highlands of Papua New Guinea.	K. Hardy	6
19	Preliminary study on the material of the bianqing excavated from the Tomb of the Marquis of Haihun in Nanchang, China	Q. Peng	6
20	Provenance of Greco-Italic amphorae in the Pontine region, southern Lazio, during the Middle Republic	G.W. Tot	6
21	Sourcing Pottery from the Site of Ch'uxuqullu on the Island of the Sun (Lake Titicaca, Bolivia)	R. Tykot	6
22	"Twinkling" needles in the hay: An analytical exploration of early mediaeval glazed pottery (7th-9th/10th CE) in the Eastern Mediterranean. A preliminary report.	T. Vasileiou	6
23	Research on the Application of Intelligent Technology in the Dissemination of Ceramic Culture	X. Wang	6
24	Non-destructive analyses of Early Iron Age ceramics from Obobogo (Centre- Cameroon, west central Africa)	Z.L. Epossi Ntah	6
25	Lead isotope analysis for provenancing ancient materials: is overlap the end of the story?	S. De Ceuster	6
26	Mass production of iron in Han Period China: evidence from the Xiaohewan site	M. Jiang	6
27	Highly varied copper trace elements pattern from one smelting site revealed by LA-ICP-MS analysis	J. Lin	6
28	X-ray fluorescence studies of 3rd Millennium BC copper-based metallic objects from the Alto Guadiato valley (Córdoba). Technological choices. Different metallurgical traditions in Southern Iberia. The Alto Guadiato valley (Córdoba) as a case study.	M. Murillo-Barroso/ I. Montero	6
29	Archaeometallurgy in inland Iberia: Mineralogical and chemical study of slags to investigate iron manufacture in the Celtiberian during the early Roman period	J. Pérez-Arantegui	6
30	X-ray imaging for Heritage Science: results and perspectives at UNITO/INFN/CCR	A. Re	6
31	Analyses of Metallic Stag from Khanak: An Indus Civilization Site in North West India	R.N. Singh	6
32	Resolving the complex mixing history of ancient Chinese bronzes by Manifold Learning and a Bayesian Mixing Model	Z. Sun	6
33	New Insights into Chalcolithic Metallurgy in Europe: pXRF Analyses Performed on the Copper-Based Artifacts from the Gumelnita and Vidra Sites (Southeastern Romania)	R. Tykot	6
34	Egyptian coffin "pastes": application of a new analytical protocol to the coffin set of Nespawersheft (21st Dynasty, Thebes)	C. Zaggia	6
35	Research progress of the manufacturing place of the bronzes unearthed from the Sanxingdui site	X. Zeng	6