



CAA 2025 Detailed Program

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Tuesday, May 6

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Welcome and Keynote

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Session 09. Pixels in Training: Image-Based Machine Learning Applications in Archaeology

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Session 53. Not Just Pretty Pictures: Utilizing 3D Scans for Precise Data Collection in Archaeology

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Session 22. Embracing Digital Ethics: practical applications of ethical frameworks in digital archaeology

195	Environmental Ethics for Digital Archaeology: Applying the GREENER Principles to Archaeological Computing	Fisher, Michael*; Richards, Julian
68	Digital Diplomacy Leveraging social media for archaeological and Buddhist tourism in Pakistan	Aftab, Muhammad*
121	Heritage Sovereignty: Holistic Approaches to Digitization of Esoteric Indigenous Cultural Heritage	Rauhala, Paula*

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Session 56. Round Table #2: Focus Group Discussion on Training Archaeologists in Digital Tools and Methods

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Session 38. Concepts, methods and techniques for online dissemination and querying of scientific 3D Cultural Heritage resources

541	Shape Machine: a vector-based shape search software in the documentation and reconstruction in archaeological research	Mamoli, Myrsini; Economou, Athanassios*
301	Development of a 3D Scholarly Edition: Reconstruction of the Düwelsteene using the Pure3D Infrastructure	Tharandt, Louise*
380	Building a system for disseminating 3D cultural heritage models. Some challenges and solutions.	Jiménez-Badillo, Diego*; Mendoza-Montoya, Omar; Ruiz-Correa, Salvador
127	From the Map to the 3D Model: Franz Kreuter's Topographical Collection as a VR Application	Lammers, Lukas*

15:05-16:50

Session 40. MuVAMoLa – Multivariate Approaches to Mortuary Landscapes

446	Connectivity and Mobility in the Early Bronze IV of the Southern Levant: Social and Spatial Inquiries into Mortuary Landscapes	Deady, Tucker*
189	Collectivity in Death: Practice, Variation, and the Emergence of an Urban Collective in EB I Tombs at Bab adh-Dhra', Jordan	Nishida, Megan*
521	Understanding City Planning in Syro-Anatolian Cities	Kuşdil Sak, Zeynep*
50	QuantWealth, a multivariate approach to modelling grave wealth display and inequality	Nørtoft, Mikkel*
348	Between the Rhine and the Rhone, across the Alps and the Jura mountains: A similarity network approach to Early Iron Age burial mounds in western Switzerland	Geitlinger, Timo*

522	Of bones and people: using intra and extra-site spatial analyses of mortuary contexts and landscapes to explore disperse, multi-source archaeological data and learn about the living	Corga, Mónica*; Corga, Mónica
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17:00-18:30

Session 30. Advancing Open Science Practices in Archaeology: Linking Data Principles, Stewardship, and Digital Infrastructure

19	Open, reusable and interoperable data work in plural, or making (open) science practices in archaeology open to whom?	Huvila, Isto*
29	Unlocking archaeological data: a study of researcher's practices and perspectives in Catalonia	Batlle Baró, Sabina*
307	The erasure of humans from the archaeological archive: Grappling with the contradictions of open science	Perry, Sara*; Simandiraki-Grimshaw, Anna; Wright, Holly
194	From Interoperability to Interoperation: Integrating Archaeological Data across Heterogeneous Systems	Abdelrazek, Mahmoud*; Abdul Jabbar, Junaid; Fisher, Michael; Huet, Thomas; Smith, Ash; Tapscott, Alan; Van Der Merwe, Renier
45	Supporting researchers in Archaeology with Diamond Open Access. The experience of Transformations, A DARIAH Journal	Gouzi, Françoise*; Baillot, Anne; Tasovac, Toma
170	Transforming access to Mediterranean cultural heritage science collections	Gkadolou, Eleni*; Jackson, Mark; Meyer, Nathan; Sweetman, Rebecca

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Session 30. Advancing Open Science Practices in Archaeology: Linking Data Principles, Stewardship, and Digital Infrastructure

447	Addressing Archaeological Data Governance Challenges through Data Management Plans (DMPs)	Tzouganatou, Angeliki*; Papadopoulou, Elli
69	The ARIADNE Research Infrastructure: Working towards sustainable open data for the archaeology community	Wright, Holly*; Richards, Julian; Niccolucci, Franco
85	Data Management in Archaeological Research Networks-Strategies and Solutions of the FAIR.rdm Project in SPP 2143 "Entangled Africa"	Fäder, Eymard*; Lammers, Lukas; Paliou, Eleftheria; Mathiak, Brigitte

192	Linking the fragments: Outcomes from Greece's SHADE national workshop on digital archaeological data integration	Katsianis, Markos; Tsiafaki, Despoina*
397	Workflows for 3D Scholarship: Conceptualising, Authoring, and Publishing 3D Scholarly Editions within a National Infrastructure	Papadopoulos, Costas*; Schreibman, Susan; Gillikin Schoueri, Kelly; Walsh, Alicia

Conference Hall 5

10:30-12:30

Session 50. Exploring the Nexus of Robotics and Archaeology: Unveiling the Potential, contribution and Ethical Dimensions in different research fields

333	Optimizing Archaeological Deposits: A Robotic Solution for Enhanced Storage and Manipulation of Archaeological Objects	Scaro, Agustina*; Jose, Nahuel; Marchello, Gabriele; Frascella, Selene; Mereu, Stefano; Meddahi, Amal; Traviglia, Arianna; Cannella, Ferdinando
117	Digitising cultural heritage: the role of robotics in archaeological artefact documentation"	Traviglia, Arianna*; Dassie' , Federico ; Ahmad, Javed; Frascella, Selene
139	Plantoids in Pompeii: Conservation of detached frescoes of the Calidarium of Pompeii using self-growing robot intervention	Trotta, Federica*; Traviglia, Arianna; Mazzolai, Barbara; Cinquemani, Simone
327	Advancing Archaeological Site Conservation with Robotics and Computer Vision – Insights from Pompeii	Marchello, Gabrielle; Jose, Nahuel; Scaro, Agustina*; Galdelli, Alessandro; D'Imperio, Mariapaola; Zambrano, Alessandra; Mancini, Adriano; Frontoni, Emanuele; Traviglia, Arianna; Cannella, Ferdinando
180	Robotic experiments to unravel early human technological innovations: exploring technological shifts and raw material use during the Palaeolithic	Marreiros, Joao*; Nora, David; Paixao, Eduardo; Schunk, Lisa; Calandra, Ivan; Gneisinger, Walter; Habtu, Tamrat
366	From manual to highly mechanised experiments – assessing the impact of human variability on tool performance and use-wear formation	Schunk, Lisa*; Calandra, Ivan; Gneisinger, Walter; Marreiros, Joao
411	Robotic Solutions for Archaeological Challenges: First Steps	Kalaycı, Tuna*

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Session 32. Connected Landscapes: Digital and Quantitative Methods for Landscape Archaeology

346	The Edge Effect. A network-driven quantification of distortions in raster-based transportation models.	Moreno-Navarro, Fernando*
32	Pathways to Power: Spatial and Network Analysis of Romanisation in Central Italy	Merola, Antonio*; Moderato, Marco
123	Complexity at what scale?: A quantitative multi-scalar approach to topographic complexity at the Acheulean Site of Rodafnidia (Lesbos, NE Aegean)	Cuthbertson, Patrick*; Tsakanikou, Peny; Kübler, Simon; Ullmann, Tobias; Galanidou, Nena
284	Spatial Interactions and Socio-Political Organization in Late Helladic Messenia: A Computational Modeling Approach	Michalopoulou, Areti*
325	Spatial Interaction Models of Fort Networks: Insights from the Zhidao Highway (China)	Li, Zehao*; Bevan, Andrew
147	Assessing results from spatial interaction model	Bacon, Xavier; Evans, Tim; Filet, Clara; Rivers, Ray; Rossi, Fabrice*
6	Landscape archaeology of the Mazovian Centre of Ancient Metallurgy. Spatial analyses of the settlement pattern in the Łowicko-Błotńska Plain, Poland	Baczewski, Marek*
422	The inscrutable ways of God? Deciphering Egyptian religious landscape strategies in late antiquity through computational analysis.	de Soto, Pau*

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Session 32. Connected Landscapes: Digital and Quantitative Methods for Landscape Archaeology

431	Modelling Settlement Dynamics and Interaction: Exploring the Landscape of the Bronze Age North-East Peloponnese	Keramida, Boumpoulina *
531	Revealing 2000 years of the Beauce landscape through headland field boundaries	Le Voguer, Nathanaël*
125	Divergent Developments: The Impact of the Roman Limes on the Structure of the Settlement Landscape in Borderland Communities	Groenhuizen, Mark*

83	Food Production in the Workmen's Village of Amarna: An Activity Area Analysis Using Digital Humanities Methods	Klasse, Sarah*
251	Middle Neolithic Monuments in Austria: Insights from Site Analysis and Predictive Modelling	Straßberger, Julia*; Neubauer, Wolfgang

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Session 32. Connected Landscapes: Digital and Quantitative Methods for Landscape Archaeology

20	Mapping the Lost City: Using Historical Texts and GIS to Rediscover Aqranus	Grigorov, Angel*
473	Divisions and Connections in First Millennium BC Central Crete: A Geospatial Approach to Borderlands	Drillat, Quentin*
498	Byzantine Landscapes: Mapping Trade, Defense, And Pilgrimage In The Peloponnese	Panagiotidis, Vayia*
360	A synthetic landscape characterization of monumental Anglo-Saxon funerary land use	Wilcox, Wyatt*

Wednesday, May 7

Auditorium 1

8:30-10:00

Session 19. Reusable Digital Research Workflows for Archaeology

296	Leveraging AI for Enhanced Archaeological Data Extraction: Workflows for Textual and Image-Based Data	Pajdla, Petr*; Novák, David; Harasim, Ronald; Křivánková, Dana; Straňák, Pavel; Lutsai, Kateryna; Lečbychová, Olga
100	Digital Archaeology Data Archives as a Source of Creative Inspiration	Lauzikas, Rimvydas*; Jovaisaite-Blazeviciene, Indre; Kelpsiene, Ingrida; Suminas, Andrius
36	Advancing reusable digital research workflows for built heritage conservation through Building Information Modelling	Alexandrou, Kristis*; João Correia, Maria; Vassallo, Valentina; Artopoulos, Georgios; Santos Silva, António; Pereira, Sílvia
258	3D-Based Workflows for Archaeology and Built Heritage: the Case Study of the UNESCO World Heritage Site of the Ayios Ioannis Lampadistis Monastery, Cyprus	Tsagka, Anastasia*; Vassallo, Valentina; Hermon, Sorin
81	Creating a Knowledge Base of Research Methods from Archaeology Publications	Pertsas, Vayianos*; Kapralos, Nikolaos; Ntountoudi, Ioanna

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Session 19. Reusable Digital Research Workflows for Archaeology

153	Toward a standardised workflow for the documentation of archaeological research projects	Gautschy, Rita*; Villars-Amberg, Noémi
137	Towards a Collaborative Map Annotation Workflow: Annotating Ancient Places on Rigas' Charta of Greece	Ilvanidou, Maria*; Carloni, Massimiliano; Aslanoglou, Anna; Dritsou, Vicky
427	The Infrastructure and Workflows of NFDI4Objects	Fricke, Fabian*; Keller, Christin
482	Go with the flow - workflows as a recipe for reproducible results	Binding, Ceri*; Tudhope, Douglas

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Session 02. Future-Proof Heritage: AI, Digital Twins, and Sustainable Preservation

283	Pioneering Preventive Preservation: the role of remote sensing in Cultural Heritage	Tsiafaki, Despoina; Michailidou, Natasa; Karta, Melpomeni*; Sirakouli, Vasiliki
188	Towards an Easy-to-Use Machine learning Framework for Cultural Heritage Scientists	Chatzisavvas, Christos*; Pappas, Thomas; Rigas, Panagiotis; Mitianoudis, Nikolaos; Pavlidis, George; Koutsoudis, Anestis; Kiourt, Chairi; Ioannakis, George
389	Future-Proofing Heritage with ARGUS: A Multimodal Digital Twin Approach for Sustainable Preservation	Pavlidis, George*; Koutsoudis, Anestis; Tsiafaki, Despoina; Sevetlidis, Vasileios; Arampatzakis, Vasileios; Karta, Meliana; Sarris, Apostolos; Polidorou, Miltiadis ; Klinkenberg, Victor; Nagata, Tomoki; Saloustros, Savvas; Boukhers, Zeyd; Kong, Lingxiao; Farinetti, Emeri; Moreno-Navarro, Fernando; Kakogiannos, Ioannis; Aparicio, Sofia; Ortega, Javier; Ramonet, Fernando; Agapiou, Athos; Hadjipetrou, Stylianos; Michaelides, Kyriakos; Patsalidis, Stavros; Kyriakidis, Phaeton; Papakonstantinou, Apostolos; Athanasoulis, Demetrios; Maris, Christos
38	The impact of normal mapping on the geometric simplification of archaeological 3D data	Costopoulos, Stephan*; Papaioannou, Georgios
377	From Temple to Church: Leveraging Digital Twins and HBIM for the Preservation of San Nicola in Carcere	Argasiński, Karol*; Ley, Yannick
35	Safeguarding Buddhist heritage, Digital Preservation of Gandhara Buddhist Sites in Khyber Pakhtunkhwa Pakistan.	Anwar, Numan*
243	A future-proof digital deposit model for the City of York, UK.	Krawiec, Kristina*; Yendell, Virgil ; Stastney, Phil
515	Transition to digital, intelligent, and preventive preservation based on hard data from the field: A view from the Côa Valley	Almeida, Miguel*; Aubry, Thierry; Luís, Luís; Ramos, Nuno; Sá, Manuel; Silvestre, Marcelo

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Session 26. Bridging Non-Invasive and Invasive Archaeology. Developing Computational Tools for Integration, Archiving, Visualisation and Analysis of Multifaceted Datasets

420	Comparison of large-scale magnetometry measurements with excavation datasets in Eastern Hungary. Feature detectability and identification possibilities	Mesterházy, Gábor*; Pethe, Mihály
79	Using AI interpretability techniques as a method for origin determination of prehistoric green phosphate beads in Europe	Sánchez Gómez, Daniel*; Sánchez Gómez, Daniel; Odriozola Lloret, Carlos P.; Garrido-Cordeo, Jose A.; Martínez-Blanes, José María ; Sousa, Ana C.
339	Besieging the fortress. Challenges and experiences with integration and analysis of diverse datasets in the study of the early medieval fort in Spycimierz (central Poland).	Sikora, Jerzy*; Wroniecki, Piotr
318	Enhancing Archaeological Interpretation with Anomalyzer - A Tool for Non-Invasive Data Analysis	Wroniecki, Piotr*

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CAA International AGM

Conference Hall 1

8:30-10:00

Session 48. Merging Two Realities: Integrating Mixed Reality (MR) and Gamification in On-Site Archaeological Projects

250	Using Augmented Reality for 3D-Reconstruction in Building Archaeology Interdisciplinary XR-Development at the Roman World Heritage Sites of Trier	Brünenberg, Clemens; Kim, Martin*
537	Motion Capture and Augmented Reality in the Reconstruction of the Intangible in Cultural Heritage and Archaeology.	Liestøl, Gunnar*; Uleberg, Espen
82	Menodora: A Metahuman Model created with Mixed-Reality in Sillyon Excavation Project	Taşkıran, Murat*; Çoban, Emre
464	Developing an AR application for self-exploration at the Roman Temple in Antiochia ad Cragum, Turkey.	Mamoli, Myrsini*; Erdogmus, Ece; Kreimer, Ben; Townsend, Rhys; Hoff, Michael

165	Augmented Reality as a Tool in Cultural Heritage Communication - Experiences from the ARGO Augmented Archaeology and BelgiumAR Projects	Schmitz, Sascha*
176	Immersed in traditional places: an investigation of connection to land, lifeways and language in 360-degrees	Shaheen-McConnell, Theo*; Artopoulos, George
105	Immersive Analytics in Virtual Archaeology Applications	Kerle-Malcharek, Wilhelm*; Klein, Karsten; Hailer, Ulf; Diefenbach, Steffen; Schreiber, Falk

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Session 43. Reproducibility in the age of AI and beyond: what is really important for reusable research?

428	From FAIR principles to FAIR practices in archaeo-geophysics – a position paper.	Schneider, Agnes*
493	Rethinking Reproducibility	Schubert, Lutz*; Schneider, Agnes
478	Reproducibility in the age of AI and beyond: a position paper.	Alpino, Nadine*; Schubert, Lutz; Schneider, Agnes
448	Archiving in the age of Artificial Intelligence: a Report	Wesner, Stefan; Schneider, Agnes; Schubert, Lutz*
91	From Interdisciplinary Data Management to Reproducible Research in Practice	Strohm, Steffen*; thor Straten, Mattis; Göhring, Andrea; Kröger, Peer; Renz, Matthias
507	Ensuring Reproducibility and Sustainability in Archaeological Research Software: A FAIR4RS Approach by the Research Squirrels	Noack, Tom; Schubert, Lutz*; Thiery, Florian

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Session 16. Reuse, remix, recycle: putting the R in FAIR archaeological data

216	Re-excavating the past: digital tools for accessible, reusable archaeological workflows	Dyson, Benedict*
57	Unlocking landscapes. How data reuse shapes Shared Archaeological Landscapes.	Bottoni, Margherita*
293	Beyond the Standard: Integrating Children's Voices into Archaeological Data Models	Giovannetti, Chiara*
400	Modelling for different audiences : a storytelling data model for archaeological data reuse	Fadioui, Aida*

44	Advancing CRMarchaeo: A Refined Approach to Modeling Archaeological Observations and Intellectual Processes	Aslanoglou, Anna*; Constantopoulos, Panos; Dritsou, Vicky
295	Modelling Space-Time Uncertainty in Archaeological Excavation Information: From Relational Databases to Semantically Rich Graphs	De Schuytener, Natalie*
373	Towards integrating diverse archaeological collections.	Matskevich, Sveta*
275	True integration: the journey to present archaeological documentation with the CRM family	Jansen, Jane*; Steads, Stephen

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Session 34. FAIRification and Standards in Commercial Archaeology

444	Unlocking the Potential: Advancing the Implementation of FAIR Principles in Geospatial Data Management within Hungarian Commercial Archaeology	Balogh, Árpád*; Juhász, Attila
198	The Swiss Example in FAIRification of Archaeological Data: Chronicles Online Powered by ArcheoBase	Clivaz, Emmanuel*
96	FAIRifying Swedish archaeological geodata through flexible standards?	Lowenborg, Daniel*; Lindgren, Sakarias; Martinelle, Kristina; Yang, Yunyun; Tsoumari, Vasiliki
438	What is a feature - today?	Anzenberger, Anna*; Winkler, Stephan

Conference Hall 2

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Session 10. Is It All Fun and Games?: The Value(s) of Archaeogaming and other Forms of Play in Digital Heritage and Archaeology

430	Experimental interpretation of ancient games through playtesting	Tsilogiannis, Aggelos; Konstantakis, Markos*; Vosinakis, Spyros
421	Playing Conservatively with a Radical Legacy: Digital Heritage and Institutional Tension at Prospect Cottage	Meades, Alan; Cooper, Catriona*; McGown, Katie
499	What Are the Values of Archaeogaming?: An Interactive, Community and Fun-driven Exploration.	Mol, Angus*; Politopoulos, Aris

174	Gaming Rituals: Collective and Individual Experiences in the Asklepieion of Cos	Müller, Asja; Kim, Martin*
41	A Comparative Study of Looting: From Real-World Archaeological Crimes to Videogame Mechanics	Ehlers, Dajana*
62	Gamifying the Past: Archaeogaming by Archaeologists	Hofmann, Daniela*; Iversen, Rune; Nørtoft, Mikkel
506	eXtended Reality for Archeology and History Education	Christopoulos, Dimitrios*; El Raheb, Katerina; Roussou, Maria; Chatzi, Efsthia; Sofianopoulos, Georgios; Katsikaris, Loukas

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Session 10. Is It All Fun and Games?: The Value(s) of Archaeogaming and other Forms of Play in Digital Heritage and Archaeology

134	The past(s) in the Roman contemporary society: Can archaeogames deal with it? The Appia Antica 39 case of study.	Regueiro Salcedo, Ian*
132	Ancient Diner: Exploring Ancient Cuisine through Archaeogaming	Werner, Jannis*
210	Digital Ethnography on Memory and Preservation: The Impact of Assassin's Creed: Odyssey on Local Tourism and International Attractio	Douvis, Kas*; Chan, Mavis
459	Archaeology and Video Games in Italy: preliminary insights into archaeologists' perspectives	Caloi, Luca*; Mariotti, Samanta
120	Nekyia: Descent into Hades – A case study on playing with the Past through Serious Games.	Tsironis, Nikos*; Chrysanthi, Angeliki
64	Archaeological Heritage and Play: Co-Creating Pathways for Cultural Integration Among Migrant Communities	Mariotti, Samanta*

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Session 20. "Scaling Heights": Unveiling Mountainous Landscapes Through Interdisciplinary Survey Strategies, Quantitative Modelling and Computational Methods

86	Mountains in Scales: Point Process Models of Early Iron Age Sites in Southeastern Bulgaria	Nekhrizov, Georgi; Tzvetkova, Julia; Gencheva, Veronika; Kecheva, Nadezhda*
349	Point Process Modelling: Applications, Challenges, and Limitations of Exploring	Xenaki, Andriana*

	Human-Landscape Relations in Dikte (Eastern Crete)	
364	A gate to the past: Systematising the use of historical aerial imagery to explore montane cultural landscapes in Greece	Apostolou, Giannis*
363	Tracing adapted methodologies for high mountain landscapes: outcomes from the Eastern Pyrenees	Carbonell-Puigventós, Arnau*; Pescini, Valentina; Colominas, Lúdia; Mayoral, Alfredo; Palet, Josep Maria
483	Chariots in the Sky - Documentation of rock art sites in the Kyzyl Dara Gorge, Uzbekistan	Leloch, Michał*
231	Bridging Coasts and Cultures: A Comparative Study of Arikamedu, Alagankulam and Pattanam in Early Historic Tamilakam	Pathazhapurakkal Sherif, Rizvan*

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Session 51. Bridging the gap between theory and practice: Teaching digital fieldwork archaeology

350	Digital archaeology as a tool of engaging the public with local heritage: a case study of the Hero-stones in Maharashtra, India.	Patil, Manasi*
424	The Marea Numismatic Project and the HEURIST	Jellonek, Szymon*; Zając, Barbara; Ostrowski, Wojciech
199	From Classroom into the Field: Training the Next Generation in Non-Destructive Archaeological Methods at the Colonia Ulpia Traiana (Xanten)	Babucic, Nikola*; Seifert, Martina
467	Teaching Photogrammetry in the field: Insights from Jagiellonian University Excavations at Nea Paphos	Ostrowski, Wojciech*; Misk, Łukasz
202	Interdisciplinary Summer School as Tool for Teaching Digital Archaeology	Lech, Paweł*; Misk, Łukasz

Conference Hall 3

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Session 08. Digital lifescapes: using multi-scalar approaches to map, model and reimagine urbanism, settlement and landscapes in archaeology

88	Let's Understand Each Other: The Role of Visual Representation in Interdisciplinary	Franczuk, Jakub*; Chyla, Julia
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	Archaeological Research - the Case of Musti Terraces	
191	Rediscovering Landscapes: Digital Recontextualization of a Kootenai Brown Homestead	Hvidberg, Madisen*; Dawson, Peter
15	All roads lead to... Deultum! Case study of the ancient road network in the area of the Roman colony of Deultum	Cholakov, Ivo; Grigorov, Angel*; Dakasheva, Plamena
10	Spatial Archaeometry Approaches to the Study of Roman Pottery from the Southern Levant	Teixeira-Bastos, Marcio*
31	Coins and Urbanization: Analyzing Roman Coins from Tel Dor using the Reflectance Transformation Imaging (RTI) technique	Porto, Vagner*
211	Research on Public Bathes in the Pyrenees Mountains Based on Space Syntax	Yang, Mei*; Ji, Zhiwei

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Session 08. Digital lifescapes: using multi-scalar approaches to map, model and reimagine urbanism, settlement and landscapes in archaeology

393	The Hills are Alive: Combining 3D modelling with GIS to study watchtowers in Northern Jordan	Sager, Tia*; Lorenzon, Marta; Cutillas Victoria, Benjamín
338	Exploring the Cultural Landscapes of Xeros River Valley in Cyprus through a Manifold Approach	Sarris, Apostolos*; Agapiou, Athos; Vionis, Athanasios; Vella, Marc-Antoine ; Chelazzi, Francesca
354	Towards the development of a quantitative spatial method for the study of the social organisation of the Igiliz archaeological site (Morocco, 11th-13th c.) : a case study on faunal remains.	Mega, Salomé*
30	Mediterranean research laboratories in Brazil: Labeca -MAE-USP	da Hora, Juliana*
67	Unveiling Urbanization in Ancient Udyana (Swat, Pakistan): A GIS-Based Archaeological Investigation	Khan, Inayat Ullah*
224	Showing true colours with LOIS. Towards an intuitive and standardised Level Of Interpretation System for 3D-visualisations in Dutch archaeology	Bruggink, Floris Jan*; Opgenhaffen, Loes

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Session 47. Unconventional Mediterranean: digital applications to detect and survey the marginal or unexplored landscapes

110	The Minoan Central Asterousia as a Case of DEM-Aided GIS Study of Network Connectivity	Ayash, Nasser*
536	Historical anthropic traces from abandoned and marginal contexts in Northern Apulia: detection and research for an integrated approach to the landscape.	Cardone, Angelo*
492	Origin and evolution of the "tratturi". Diachronic reconstruction of the archaeological landscape between Molise and Apulia	Cardone, Angelo; Brucato, Alessia*; Di Meo, Andrea; Di Palma, Francesca
235	Revealing the (un-) Known in Marginal landscapes. LiDAR applications in the Mountainous area of Monti Aurunci (Latium – Italy)	Vanni, Edoardo*; Cirigliano, Prospero; Cammisola, Alessandra
529	Desertic Landscape. Umm ar-Rasas (Amman, Jordan): Remote Sensing Analysis and geophysics surveys in the Byzantine-Umayyad village	Di Palma, Francesca*; Cozzolino, Marilena ; Gabrielli, Roberto; Mauriello, Paolo; Scardozi, Giuseppe
280	Restoring Context: Aerial Imagery from Occupied Greece in the Archive of the German Archaeological Institute at Athens	Grigoropoulos, Dimitris; Hoffmann, Simon; Kußmaul, Felix*
449	A Diachronic (Final Neolithic – Venetian) GIS Analysis of Settlement Patterns in the Agios Nicolaos Area of East Crete	Bieńkowski, Rafał; Buell, D. Matthew; Kaliszewska, Agnieszka*

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Session 47. Unconventional Mediterranean: digital applications to detect and survey the marginal or unexplored landscapes

443	Surveying the Under-world: Digital Applications for Recording the Archaeological Landscapes of Mediterranean Island Caves	Trimmis, Konstantinos*
524	Archaeological research in andisols area. Machine Learning for the Remote Sensing Data Analysis	Di Palma, Francesca*; Ditaranto, Immacolata; Merola, Pasquale; Gentile, Patrizia; Brancato, Rodolfo
408	Exploring the Application of Deep Learning in Mapping Ancient Flint Mining Landscapes in Egypt	Buławka, Sylwia*; Buławka, Nazarij; Berganzo-Besga, Iban

Conference Hall 4

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Session 03. Innovating Archaeological Exploration: AI-based approaches to Remote Sensing

70	Making AI accessible to archaeologists: Developing a tool for automatic feature recognition from ALS	Coz, Nejc*; Kokalj, Žiga; Curran, Susan; Corns, Anthony; Kocev, Dragi; Davis, Stephen; O'Keeffe, John ; Kostovska, Ana
540	Intelligent Surveys: The role of AI in the fieldwork of the Gallinazo del Norte Archaeological Research Project (PIAGN)	Sharp, Kayeleigh*; Routhu, Sravani; Gordon, Kate; Russell, Fern; Stojanowski, Eowyn; Roque, Manuel
138	A Preliminary Study of the Morphology and Spatial Distribution of Funerary Elements in the West and Southwestern cemetery of Wadi al-Ma'awel, Oman	Meneses, Ana *; Ramazzotti, Marco
511	Integrating satellite machine learning, UAV photogrammetry, and pedestrian survey for multi-scale feature detection in the Argentine Andes	Peters, Manuel J.H.*; Jambajantsan, Amina; Zuccarelli Freire, Verónica
225	MAPHSA: Uncovering Pre-Columbian Landscapes through Machine Learning and Remote Sensing in Tropical South America	Fajardo, Sebastian*; Gregorio de Souza, Jonas; Mohammadi, Sina; Moderato, Marco; Tapscott, Alan; Heidgen, Shaddai Damaris; VARGAS-RUIZ, JUAN; Reina, Carlos; Ardila, Cesar; Montejo, Fernando; Peripato, Vinicius; Neves, Eduardo Góes ; Strauss, André; Orengo, Hector; Madella, Marco

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Session 03. Innovating Archaeological Exploration: AI-based approaches to Remote Sensing

217	“Hey SAM, draw a map of Roman Britain in the 3rd century” – Will “Foundation Models” reinvent automatic archaeological object detection?	Landauer, Jürgen*
55	Exploring Cropmarks: Leveraging Spectral Physically-based Reflectance Models for Enhanced Archaeological Detection	Agapiou, Athos*; Gravanis, Elias
460	Foundation Models for Archaeological Feature Detection: Advances and Prospects	Guo, Junlin; Huo, Yuankai*; Zimmer-Dauphinee, James; Nieuwsma,

		Jordan; Lu, Siqi; Wernke, Steven; VanValkenburgh, Nathaniel
462	Archaeological Distant Reading: Initial Results from an AI Survey of the Andes	Wernke, Steven*; VanValkenburgh, Nathaniel; Zimmer-Dauphinee, James; Mamani, Manuel; Mejia Aranguren, Raquel; Reategui Diaz, Alexis; Ricci Jara, Kevin; Roque, Grecia

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Session 57. Computational models concerning climate change and its effect on cultural heritage assets

232	The development of Delos environmental monitoring site	Zerefos, Christos; Solomos, Stavros*; Kapsomenakis, John; Poupkou, Anastasia; Fountoulakis, Ilias; Douvis, Kostas; Spyrou, Christos; Stavraka, Theodora; Gkikas, Antonis; Kalabokas, Pavlos; Synolakis, Costas; Kalligeris, Nikos; Melis, Nicos ; Gkarlaouni, Hara; Lentas, Konstantinos; Liadopoulos, Eystratios; Boukouras, Konstantinos; Kalogeras, Ioannis; Athanasoulis, Dimitrios; Vakoulis, Themistoklis; Maris, Christos
222	Vulnerability of Monumental Structures to Climate Change: The Cases of “Building K” in Epidauros and the Roman Balneum in Rafina, Greece	Tzannidakis, Emmanouil*; Moullou, Dorina; Egglezos, Dimitris
436	Resilience of the Roman Balneum in the face of Climate Change at Brexiza, Greece: Unravelling Pathology, Advancing Risk Assessment Methodologies and Adapting Preservation Strategies.	Peppa, Sofia*; Moullou, Dorina; Egglezos, Dimitrios
264	Assessing Climate and Seismic Vulnerability of the Yeni Mosque in Mytilene, Lesbos	Angelidi, Aikaterini*; Englezos, Dimitrios; Ragia, Lemonia
298	The Effect of Climate-Induced Compound Events on Porous Materials in Greek Heritage Monuments	Markantonis, Iason*; Vlachogiannis, Diamando; Sfetsos, Athanasios; Katrakazis, Theocharis; Karatasios, Ioannis
497	Decoding the impact of air pollution on archaeological building materials: an	Mitsos, Dimitrios*; Panagiotidis, Vayia; Karydas, Andreas; Palamara,

	integrated machine learning and analytical approach	Eleni; Gerasopoulos, Evangelos; Poulopoulos, Vassilis
527	Damage Risk Assessment of Cultural Heritage monuments - Optimizing the utilization of knowledge gathered from case studies through Machine Learning	Kontogianni, Vasiliki; Hein, Anno*; Rekatsinas, Christoforos; Katrakazis, Theocharis; Karatasios, Ioannis
484	Development of a Multimodal Transformer for Cultural Heritage Preservation in the Context of Climate Change	Roqui, David*

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Session 46. Advances in Computational Archaeology

220	Mapping and Analyzing the Cultural and Archaeological Heritage of Manfredonia (Italy) for Public Archaeology	Basta, Michele*
279	Planning a digitally integrated future: GIS and BIM for roman architecture, the case of Pompei Archeological Park	Bosco, Angela*; Cera, Valeria; Angrisani, Giovanni; Rosignoli, Olga; Forte, Francesca; Scandurra, Simona; Fregonese, Luigi
46	Testing and integrating machine learning models in a user friendly app to estimate original scraper mass.	Bustos-Pérez, Guillermo*
113	The Challenge of Digging Data: Roman Villae Maritimae and the Creation of a Data Repository	Cataldo, Concetta*
391	Quantitative analysis of bone density for mammoth tailbone fossils using X-ray computed tomography imaging technology	Choi, Ju Yeon*; Jo, Young Hoon
22	How Squirrels can help to feed Wikidata and the Wikibase Ecosystem. Examples from the Wikiprojects “Ogham Stones”, “Holy Wells”, “Linked Reindeers in Alta”, “Linked Open Samian Ware”, and the “fuzzy-sl” Wikibase	Thiery, Florian*
375	The WikiProject Archaeology	Trognitz, Martina*

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Session 46. Advances in Computational Archaeology

185	Humans are you there? Comparative approach of two distinguishable methods for human installation detection: automatic	Bellat, Mathias; Hatton, Amy*; Orellana Figueroa, Jordy; Reeves,
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	structure detection and archaeological predictive models	Jonathan; Groucutt, Huw; Tennie, Claudio; Scholten, Thomas
324	Culturally Contextualized Intelligent Matching: User Profiling Analysis and Model Development based on ACUX typology for Matching Personas and Evaluation of User Experience.	Pastrakis, Fotios*; Konstantakis, Markos; Caridakis, George
401	Fundamental Issues in Archaeological Reconstruction of the Past: New Insights from Refitting Studies and the Simulation of Site Formation Processes Using Evolutionary Algorithms-based Model Exploration Methods	Plutniak, Sebastien*
182	Protecting Heritage through Fire Risk Assessment in Sacred Indigenous Landscapes of Santa Marta	Heidgen, Shaddai Damaris*; Gregorio de Souza, Jonas; VARGAS-RUIZ, JUAN; Ardila Peña, Cesar Yair; Fajardo, Sebastian; Moderato, Marco; Madella, Marco
433	Introduction of the Building Information Grammar - a Semantic Rich Shape Grammar	Wutte, Anja*

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Session 12. Generative AI and Text Mining - using big models for big problems

539	Mapping architectural Comparanda: AI Methods for Large Scale Analysis of the Archaeological Record for Reconstruction of Greco-Roman Architecture	Goyal, Kartik; Mamoli, Myrsini*; Zhang, Huopu; Ruan, Jingqi
236	OpenAI vs. Open Source - Evaluating the Performance of Large Language Models on Extracting Structured Data from Archaeological Texts	Brandsen, Alex*; Bourgeois, Quentin; Schuppert, Martha
542	Improved Information Retrieval for unstructured textual data in Indian Epigraphy using Retrieval Augmented Generation (RAG)	Balasubramanian, Srinidhi*; Krishnamoorthy Murali, Harish; P, Rohini
238	Building AGNES - a Search Engine using Text Mining and Large Language Models to Unlock the Knowledge in Archaeological Literature	Lambers, Karsten*; Brandsen, Alex; Wansleben, Milco
129	From field notes to digital archive: AI-assisted indexing of Bernard Bruyère's	Larcher, Cédric; Kermorvant, Christopher*

	excavation journals of Deir el-Medina (1922-1955)	
172	Bridging the Past and Future: The Role of AI in Transforming Archaeological Data and Archives	Lien-Talks, Alphaeus*

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Session 12. Generative AI and Text Mining - using big models for big problems

133	AI Chatbots for Archaeology: OLIT-T and ArkasAI Data Analyst	Štular, Benjamin*; Lozić, Edisa
535	Gimme! Gimme! Gimme! (A Reliable Access Method for ChatGPT 4o in Archaeological Heritage Prompting)	Schwartz, Haley *; Gonzalez Cantera, Tania
39	Limitations Of Generative Artificial Intelligence Reconstructing Prehistoric Archaeology	Barcelo, Joan*

Thursday, May 8

Auditorium 1

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Session 24. Digital Fieldwork Documentation in Archaeology: Innovations, Challenges and Standards

404	Transitioning to Digital Field Recording: the Thorikos Experience	Regnier, Killian*; Drillat, Quentin; Nonneman, Jarne; Docter, Roald
54	Building a Digital Legacy: The Itanos Excavation Database	Bossolino, Isabella*; Chalazonitis, Ioannis; Tsingarida, Athéna; Viviers, Didier
201	The 25 year path towards digital field recording in archaeology	Yperman, Wouter*
463	Adopting Mobile GIS: Transitioning from iDig to QField for Excavation Documentation	Sgouropoulos, Kyriakos*; Chrysafakoglou, Periklis; Ladenis, Ilias; Palaiokrassa, Lydia
516	From Field to Lab to 3D archive: Evolution of the Keros Digital Recording Programme	Indgjerd, Hallvard*; Campbell, Rosie; Boyd, Michael
273	Improvements in iDAI.field for sample category to allow workflow descriptions. Making the data FAIR	Morera, Nuria*; Kleinke, Thomas; Antolín, Ferran; Riebschläger, Fabian

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Session 24. Digital Fieldwork Documentation in Archaeology: Innovations, Challenges and Standards

104	Dexarch: Revolutionising Archaeozoological Data Documentation and Collaboration with Mobile Technology	Devanesan, Reuben Shibu*; Vaishnav, Kamal; Channarayapatna, Sharada
207	Digging into Digital: Innovations in the Palethnography of Palaeolithic Sites	Caron-Laviolette, Elisa*; Bontoux, Aymeric; Gressin, Adrien; Le Jeune, Yann; Mevel, Ludovic; Muth, Xavier
413	From Paper to Point and Back to Paper: Advancing Burial Mound Excavation Methodology	Stępnik, Jakub*
477	No Gaps, No Glitches! Measurement data processing with Survey2GIS.	Abele, Jonas*; Berger, Steffen
76	Multiscalar Digital Recording of Archaeological Features and Pottery Remains at the Suwahara Site, Yamanashi Prefecture, Japan	Noxon, Corey*; Ertl, John; Yoshida, Yasuyuki

303	Advanced 3D Mapping and Documentation of the Rodafnidia Archaeological Excavation in Lesvos Using UAV, TLS, and LiDAR Technologies	Papadopoulou, Ermioni Eirini*; Proestakis, Stavros; Moysidou, Lemonia; Tataris, Giorgos; Soulakellis, Nikolaos; Tsakanikou, Penny; Galanidou, Nena
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Session 24. Digital Fieldwork Documentation in Archaeology: Innovations, Challenges and Standards

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388	Digitizing Greek Inscriptions and Alphabets (DIGIA Project): Epigraphic Challenges, Digital Solutions	Gotsikas, Ilias*; Mitkas, Pericles; Oikonomaki, Niki; Tzifopoulos, Yannis
171	Spatiotemporal reconstruction of pot burial excavations	Grigoriadi, Melina*; Papaioannou, Georgios
48	"Holographic Archaeology": Mixed Reality implementations in archaeological field- and laboratory work. New perspectives and challenges	Leitourgakis, Andreas*
347	Creating a Digital Twin of the Early Helladic Cemetery of Asteria Glyfadas: Challenges and Innovations in Field Documentation	Konstantakis, Markos; Larentzakis, Manos*; Kaza, Konstantina; Antonopoulou, Vasiliki; Daskalaki, Galini; Gourtzioumi, Ioanna
61	The forgotten heritage: The shrines of the Maryut Lake region, a GIS project study and digital fieldwork survey	Awad, Ismael*
136	Using spatial analysis and portable GIS to enhance surveys in a challenging environment. A case of application for the El Tigre Project, Guatemala	Méreuze, Rémi*; Hiquet, Julien

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Session 44. Digital and computational methods in the studies of rock art and ancient art: beyond tracing the past

458	Application of Photometric Stereo to the Study of Rock Art in Chauvet Cave	Laurent, Antoine; Couprie, Benjamin; Sagory, Thomas; Melou, Jean*; Fritz, Carole; Durou, Jean-Denis
419	"Exploring the Use of TLS Intensity Data: Challenges and Advances in Rock Art Research"	Sotomayor Chicote, Maria*

59	Reconstructing Aegean Bronze Age wall paintings through drawing. From using watercolors to digital images. What's next?	Sepetzoglou, Nikos*
435	Digital annotation and presentation of multimodal objects from Ancient Egypt	Döhl, Rebecca*
51	DeepLearning methods and the identification of symbolic networks during European Upper Paleolithic. A case of study	González Vázquez, Natalia*; Garate Maidagan, Diego; Barcelo, Joan

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Session 44. Digital and computational methods in the studies of rock art and ancient art: beyond tracing the past

272	The contribution of areological and phylogenetic analyses to the study of the socio-cultural palaeogeography of LSA rock art sites in southern Africa - The example of the Matobo massif (Zimbabwe) and the Brandberg (Namibia).	Bourbiaux, Clémentine*
109	How high is high? Using digital methods to trace land-use strategies of prehistoric hunter-gatherers in a mountainous region in Namibia in a period of increasing aridification	Vogels, Oliver*
533	From Virtual access for Rock Art sites to Digital Rock Art Infrastructure	Lodoen, Trond *
40	Digitisation, Preservation, Interpretation: Online dissemination and AI in the Swedish Rock Art Research Archives	Horn, Christian; Green, Ashely*; Potter, Rich

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Session 21. Moving Beyond Digital Fieldwork Documentation: Integrating and Preserving Archaeological Knowledge

341	Afterlife of an excavation: Utilising excavation data for public engagement activities	Katevaini, Alexandra*
122	Reflecting on 10 Years at Kaymakçı: Institutional Memory and Bespoke Solutions in Archaeological Data Management	Scott, Catherine*
291	From structured data to reuse and beyond: (AIR) ² ? Artificial Intelligence to Reuse Data	Nurra, Federico*; Derudas, Paola; Dell'Unto, Nicolò

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162	Automated Digitalization of Archaeological Field Documentation	Hájek, Filip*; Bartík, Jaroslav; Herčík, Ondřej
142	The “fish bones galleries” of Lyon, France: combining archaeological and geological 3D modelling to understand a mysterious ancient underground structure	Tronchere-Cottet, Herve*; Pothier, Catherine; Dessaint, Philippe
159	Re-engineering for Reuse: Is ‘post excavation’ analysis a “dark art”, or can improved practices and processes using digital technologies help FAIRly share archaeological data from excavation to archived knowledge?	May, Keith*; Taylor, James

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Session 21. Moving Beyond Digital Fieldwork Documentation: Integrating and Preserving Archaeological Knowledge

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240	The digital workflow of the Cultural Heritage Response Unit (CHRU)	Marzban, Pouria*; Ducke, Benjamin; Iacono, Elvira; Fritsch, Bernhard; Brinckmann, Helena; Erhan, Sibel; Busen, Tobias; Piesker, Katja
488	State of preservation analysis of human skeletal remains from Naqlun (Egypt) using new skeletal inventory recording software	Mahler, Robert*; Krawczyk, Maciej
181	3D visualization of archaeological sites: state-of-the-art review of analytical applications	Piven, Sofia*
368	Unhiding a WWII hiding place	van Zijverden, Wilko*; Esselink, Luca
376	The SUGAR project: Sweetening archaeological data management from fieldwork to digital domain	Roda Gilabert, Xavier*; Sánchez-Martínez, Javier; Vega Bolívar, Susana; Martínez-Moreno, Jorge; Mora Torcal, Rafael

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Session 49. GameTable: Bridging Disciplines for Heritage Games

152	Using GIS tools at multiple scales to restore the form and function of a unique Classic Maya mosaic Patolli game board	Hiquet, Julien*; Méreuze, Rémi
543	Coptic game board from Chersonesos Taurica and the experience of 3D reconstruction	Ruchynska, Oksana*; Crist, Walter; Condorelli, Francesca
372	Exploring Roman board games through AI-simulated play	Crist, Walter*; Piette, Eric
230	AI-Powered Game Recognition: A Collaborative Dataset for Traditional Games	Piette, Eric*; Morenville, Achille; Care, Barbara; Moullou, Dorina; Crist, Walter
396	Engaging students to historical past through games: how to use preserved games in formal and informal settings.	Stouraitis, Elias*
115	A Thin Line Between Learn And Play – Serbian Researchers' Perspective	Tapavički-Ilić, Milica*; Segan-Radonjic, Marija
385	Learning with the classic African board game Songo	Bayeck, Rebecca*
343	Ancient Board Games as Virtual Time Machines	Politopoulos, Aris*; Mol, Angus; Crist, Walter

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Session 42. From Code to Discovery: Deep Learning in Archaeological Research

403	Neural networks vs tree-based algorithms: a comparative study and generative modeling for vegetation landscape reconstruction from pollen data	Paperini, Elisa*; Dubbini, Nevio
63	Improving classification models performance by using Explainable Artificial Intelligence (XAI) techniques	Mauro, Federica*; Cicirelli, Franco; Gattiglia, Gabriele; Ritacco, Ettore
92	Artificial Intelligence in Archaeology: The MAIA COST Action and its Transformative Potential	Gattiglia, Gabriele*; Anichini, Francesca; Wright, Holly
437	Analysis of clustering algorithms and performance evaluation metrics applied to samples of the Tell El-Yahudiya ware typology	D'Andrea Curra, Guilherme*
344	Clustering Analysis of Metallurgical Micro-remains Fiber-Optic Reflectance Spectra	Zhang, Lin*

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Session 42. From Code to Discovery: Deep Learning in Archaeological Research

416	Automating duck skeletal identification using convolutional neural networks	Dubbini, Nevio*; Paperini, Elisa
154	Rerouting Connection: Hybrid Computer Vision Analysis Reveals Visual Similarity Between Indus and Tibetan-Yi Corridor Writing Systems	Reddy, Ooha*
407	All along the watchtower: studying historical masonry using AI	Saraceni, Quirino*; Pavoni, Gaia; Corsini, Massimiliano; Sala, Filippo; De Falco, Anna; Callieri, Marco
278	The ArchAIDE Picker: AI and robotics for efficient potsherds classification and sorting	Saraceni, Quirino*; Dubbini, Nevio
382	Classifying the Actor of Bone Breakage: A New Deep Learning Architecture Learning Directly from the Fragment Surface	O'Neill, Riley*; Yezzi-Woodley, Katrina; Calder, Jeff; Olver, Peter

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Session 35. Mapping and modelling movement in archaeology: From least cost analysis to diffusion pathways

179	From local mobility to dispersing population: bottom-up modelling approach to study the earliest populations of Western Europe	Cucart-Mora, Carolina*; Reschke, Jan-Olaf; Lomborg, Kamilla; Hertler, Christine; Grove, Matt; Saqalli, Mehdi; Moncel, Marie-Hélène
268	Where to hunt? When to forage? Modelling human past behaviour in Bunuba Country using a Landscape based GIS approach for the West Kimberley, Western Australia	Gomez, Josue*
310	Cellular Automata modelling of hunter-gatherer mobility: a case study of Palaeolithic Iberia	Hewitt, Richard*; Alcaraz-Castaño, Manuel; Morley, Mike
78	Siligites: a QGIS extension to create and analyze straight lines and LCP networks in archaeology. Modules presentation and application on a Magdalenian culture in south-west France	Andre, Thomas*; Tuffery, Christophe; Delvigne, Vincent

253	Connectivity between Harappan settlements	Sayed, Salil*; Shirvalkar, Prabodh
292	Computational Challenges and Improvements in Modelling Past Human Mobility	Bilotti, Giacomo*
254	The Integration of Connectivity Analyses to the Study of Palaeolithic Mobility in the Pyrenees	Rafart Vidal, Eulàlia*; Rubio-Campillo, Xavier; Sánchez de la Torre, Marta

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Session 35. Mapping and modelling movement in archaeology: From least cost analysis to diffusion pathways

90	From Valleys to Desert: A Combined Approach to Mobility, Visibility, and Landscape Interaction to Reconstruct the Wari Road System in Northern Peru	Chyla, Julia*; Giersz, Miłosz
98	From paths to mobility landscapes : modelling landscape accessibility for the Iron Age Dolenjska, Slovenia.	Cuckovic, Zoran*; Zupan, Matic
294	From roads to landscape and back: Using Roman road data to understand past movement	Pažout, Adam*; Brughmans, Tom
442	Empirical insights on the modelling of movement behaviour in mountainous regions	Saintenoy, Thibault*; Fabrega-Alvarez, Pastor; Cuckovic, Zoran
509	Calibrating Least Cost Path Models through Evolutionary Algorithms: A Methodological Exploration Using 17th Century Pre-Industrial Estonian Regional Road Networks	Sikk, Kaarel*
166	A new method of validation for least-cost analyses using historical sources	Juercke, Friederike*; Lewis, Joseph; Crema, Enrico; Petrie, Cameron

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Session 17. Comparing the Incomparable: Managing and Analyzing Data from Heterogeneous Sources in Archaeological Research

412	OpenArchaeo : A semantic web portal applied to archeological datasets	Hivert, Florian*; Marlet, Olivier; Bernard, Loup
476	Modelling diverse African archaeological heritage information: perspectives from the MAEASaM project	Lander, Faye*
43	A collaborative approach to data integration: development of a web-	Antunes, Nicolas*; Koloffon Arias, Maria Rocio; Gillis, Rosalind

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414	Harmonizing People, Styles, and Places: A Database Application for Integrating Heterogeneous Epigraphic Data	Krawczyk, Maciej*
256	Refactoring and modulating archaeological data: a case study from Alagoas, Brazil	van Havre, Grégoire*; Barbosa, Rute; Monteiro, Kleython; Gois, Lais
331	Inspecting, categorising, digitising... analysing data from the multi-layered structured painted Volp caves (Tuc d'Audoubert, Trois-Frères, Enlène). The long process of successfully integrating data from different sources	Pastoors, Andreas*; Uthmeier, Thorsten; Bégouën, Eric; Bégouën, Robert
415	Combining archaeological, environmental and other kind of digital spatial data on chosen case studies from Pomerania, Northern Poland	Niedziółka, Kamil*
330	The Minimal Meta Data Set for Archaeological Fieldwork within the N40 Objects Ontology	Hollaender, Julian*; Abele, Jonas; Höke, Benjamin; Räther, Jörg

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Session 29. Heritage under bombs - digital methods in the studies of endangered heritage in conflict zones

87	The Sudan Heritage Register and the Heritage @ Risk Database: Digital Tools for Protecting Endangered Heritage in Conflict Zones in Sudan	Wolf, Pawel*; Elamin, Sami; Ahmed Abbas, Mohamed; Sabel, Niama; Ismail, Rehab; Kleinitz, Cornelia
75	Open-Access Satellite Imagery for Monitoring Archaeological Sites in Sudan	Drzewiecki, Mariusz*
508	Eyes in the Sky, Feet on the Ground: Evaluating Remote Sensing in Wartime Archaeology	Altohamy, Tohamy*; Merlo, Stefania; AlSalamini, Dana
149	From Air to Site: Evaluating Archaeological Changes in the Region of Tartus (Syria)	Montesanto, Mariacarmela*; Saad, Houmam; Alvaro, Corrado; Norini, Gianluca; Pedrazzi, Tatiana; Pucci, Marina
265	Caucasus Heritage Watch: Satellite-Based Monitoring of Cultural Heritage in the Crosshairs of Ethno-Territorial Conflict	Khatchadourian, Lori; Lindsay, Ian*; Smith, Adam; Ghulyan, Husik

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Session 29. Heritage under bombs - digital methods in the studies of endangered heritage in conflict zones

49	Beyond Detection: Generating Risk Factors for Attempted Looting via Automated Algorithmic Detection	Fabiani, Michelle*; Khare, Shivanjali; Powell, Thomas; Vohra, Jafar; Yurchuk, Kalyna
461	Digitizing Archaeological Heritage in Odesa (Ukraine)	Lobanova, Mariia*
25	Quality and Relevance in Digital Contingency Planning for Endangered Historic Environments: Lessons from St. Sophia Cathedral in Kyiv.	Almevik, Gunnar*; Westin, Jonathan
124	Tears of Tigris Archaeological Site: The Case of Mai Adrasha	Gebrekrstos, Gidey Gebreegziabher*
337	27 Days of Russkij Mir in Jahidne: The Archaeology of a War Crime	Kiarszys, Grzegorz*; Lemiesz, Marek

Conference Hall 3

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Session 31. New Steps in Computational Methods and Theory to Studying Past Seafaring and Human-Water Interactions

352	The Production of Austronesian Maritime Cultural Landscapes: from Spatial Characteristics and Knowledge Structures	Luo, Hongpeng*; He, Jie
247	Unraveling Identities: A GIS-Based Approach to Weapon Burials and Maritime Networks in Bronze Age Western Greece	Vereketi, Ermioni*; Paliou, Eleftheria; Petrakis, Vassilis; Papadatos, Yiannis
304	If a Cornishman Were to Pray, All He Would Ask for Is a Good Wreck: A Social Network Analysis Approach to Tracking Illicit Maritime Movement in the Celtic Sea (1690-1715)	Dawson, Adam*
282	Data at the Helm: Environmental Statistics and Maritime Movement Modelling	Smith, Karl*
89	Using Wind Patterns for Maritime Cost Surface Creation: Practical Issues and Solutions	McLean, Andrew*; Page, James
11	Measuring Potential Sailing Mobility in Antiquity: Methods, Application and Outreach	Gal, David*

262	It's a kind of magic: Houdini, CFD and the procedural reconstruction of ancient Greek and Roman sailing ships and the analysis of their sailing capabilities. A methodical overview.	Hinz, Daniel*
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Session 31. New Steps in Computational Methods and Theory to Studying Past Seafaring and Human-Water Interactions

494	Integrating Agent-Based Modelling and Experimental Archaeology for the study of Middle Palaeolithic sea-crossing scenarios. The Inner Ionian Sea Archipelago as a case study.	Papoulia, Christina*; Chliaoutakis, Angelos; Zervoudakis, Panagiotis; Papadopoulos, Nikos
285	Pytheas: a fast and agile ABM software for the study of ancient seafaring	Tomasini, Matteo*; Montenegro, Alvaro; Bengtsson, Boel
108	Modeling Ancient Maritime Voyages in Sewn Plank Canoes: Seasonality, Safety, and Seaworthiness	Fauvelle, Mikael*; Montenegro, Alvaro
267	The HUGASEA project: Simulating Waterways and Social Networks between Ancestral Villages in the Central Salish Sea, Pacific Northwest Coast	Garcia-Piquer, Alberto*; Grier, Colin
314	An Agent-Based Model for Seafaring and Community Resilience in Oceania	Jarriel, Katherine*
72	Hyperconnectivity, and Fact-Checking-Modeling Witnessing as a Traditional Coast Salish Mechanism	Rorabaugh, Adam*
345	Just over the horizon. Towards practice-based digital models of ancient seafaring	Jarrett, Greer*

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Session 14. Advances in modelling past human ecosystems

300	Using eco-cultural niche modeling to explore the co-evolution of climate and lithic technical traditions (Middle and Recent Gravettian, France, 32-26.5ka calBP)	Vignoles, Anaïs*; Banks, William; Klaric, Laurent
504	Spatial modelling of paleoenvironments associated with landscape formation and early human occupation at Jojosi, KwaZulu-Natal	Sommer, Christian*

289	Modelling the landscape of the Acheulean activity on Lesvos Island, Greece through an affordance-based GIS approach	Tsakanikou, Peny*; Galanidou, Nena; Kübler, Simon
196	From Small-Scale Models to Large-Scale Insights: Hunter-Gatherer Responses to Environmental Variability	Reschke, Jan-Olaf*; Cucart-Mora, Carolina; Lomborg, Kamilla; Hertler, Christine; Grove, Matt; Saqalli, Mehdi; Moncel, Marie-Hélène
52	Advancing simulation modelling of forager hunting and resource management strategies in savanna biomes through indigenous ecological knowledge	Paliou, Eleftheria*; Angourakis, Andreas; Kellers, Simon; Vogels, Oliver
218	Modelling Nomadic Spatial Behaviour in Times of Economic Intensification: The Case of Iron Age IIA Negev Highlands, southern Levant	Lubel, itay*
252	Assessing circumscription in the castro landscapes: a cost-based site catchment analysis of Iron Age hillforts in north-western Iberia.	Tunas-Corzon, Santiago*

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Session 14. Advances in modelling past human ecosystems

362	Climate variability and Germanic settlement dynamics in the Middle Danube region during the Roman Period	Vlach, Marek*; Komoróczy, Balázs; Torbenson, Max; Esper, Jan; Brázdil, Rudolf; Büntgen, Ulf; Semerádová, Daniela; Urban, Otmar; Balek, Jan; Kolář, Tomáš; Rybníček, Michal; Trnka, Miroslav
206	Understanding past political landscapes: human-environment interactions and resource management practices among the Muisca	Herrera Malatesta, Eduardo*
361	Integrating Remote Sensing and Computational Approaches in Amazonian Archaeology	Peripato, Vinicius*; Gregorio de Souza, Jonas; Fajardo, Sebastian; Heidgen, Shaddai Damaris; Moderato, Marco; Levis, Carolina; Gamerman, Dani; Moreira, Guido; Teixeira, Laura; Maria da Silva, Adriana; Aragão, Luiz; Madella, Marco
184	Advancing flood simulation for understanding the ancient aquaculture systems and heritage of the Gunditjmara, at	Lovett-Murray, Tyson; Bell, Bill; Black, Adam; Nicholson, Evelyn; Marini, Gabriele; Armstrong, Brian*;

	the UNESCO World Heritage Budj Bim cultural landscape, Victoria, Australia	Michalewicz, Aleksandra; Andrew Mahisa Halim, Andrew; Belton, Amanda; Prpic, Kaya; Tomko, Martin
474	Daylight affordance as ecological approach to domestic activities in House A in the ancient city of Orraon	Maechler, Claudia*; Noback, Andreas

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Session 37. Computational and Landscape Archaeology in the renovation of surface survey methodologies

177	Utilizing Low-Altitude Imagery and Weak Learner Algorithms for the Detection of Archaeological Surface Ceramics: The Kophinou case study	Argyrou, Argyro*; Christoforou, Michalakakis; Papakonstantinou, Apostolos; Alexakis, Dimitrios; Agapiou, Athos; Vionis, Athanasios
466	PotScan: A Mobile App Workflow for the Automation of Archaeological Surveys for the Detection of Ceramic Fragments using Deep Learning	Berganzo-Besga, Iban*; Garcia-Molsosa, Arnau; Orengo, Hector
456	Detection of Pre-Columbian Shell Midden Settlements in the Ciénaga Grande de Santa Marta Using Machine Learning	Vargas-Ruiz, Juan*; Orengo, Hector; Fajardo, Sebastian; Pinzón, Yeison; Gregorio de Souza, Jonas; Bernal, Dario; Soto, Luis; Ardila, Cesar; Moderato, Marco; Borja, Shadai; Montejo, Fernando; Peripato, Vinicius; Goes, Edoardo; Menezes, André ; Reina, Carlos ; Madella, Marco
183	Soil influence on settlement patterns in Northern Kurdistan region (Iraq). Impact of soil quality indexes and other environmental covariates on archaeological predictive models in a semi-arid environment	Bellat, Mathias*; Leland, Edward; Glissmann, Benjamin; Sconzo, Paola; Pfälzner, Peter; Scholten, Thomas
390	Visibility and Spatial Autocorrelation in Field Survey: A Case Study from the Northern Apulia Coastal Survey using Bayesian Conditional Autoregressive (CAR) Models	Ragno, Roberto*; Goffredo, Roberto; Piepoli, Luciano

Conference Hall 4

8:30-10:30

Session 41. Archaeological Network Research

17	Ariadne Redux	Rivers, Ray*; Evans, Tim; Gheorghiade, Paula; Knappett, Carl
80	A Network View on the Big Exchange Project: Integrating and Analysing Heterogeneous Datasets	thor Straten, Mattis*; Strohm, Steffen; Serbe, Benjamin; Hilpert, Johanna; Kerig, Tim; Renz, Matthias
309	Using ERGMs to Compare Networks	Bischoff, Robert*
259	Paleographic Networks: when Paleography Meets Network Analysis	Levy, Eythan*; Klein Cardoso, Silas
4	Networking Social Behaviours in a 19th-Century Cemetery	Santos, Joel*; Casimiro, Tânia
145	Automated Network Creation and Analysis for Understanding and Fighting the Illicit Trafficking of Antiquities	Giovanelli, Riccardo; Leeson, Madison; De Bernardin, Michela; Ferro, Sara; Traviglia, Arianna*

10:45-12:45

Session 41. Archaeological Network Research

84	Connecting Riverscapes: A Large-Scale Network Analysis of Archaeological Sites in Brazil	Moderato, Marco*; Gregorio de Souza, Jonas; Heidgen, Shaddai Damaris; Tapscott, Alan; Orengo, Hector; Fajardo, Sebastian; VARGAS-RUIZ, JUAN; Góes Neves, Eduardo; Strauss, André; Madella, Marco
257	Deciphering the social complexity of a town through the spatial complexity of its buildings: spatial syntax applied to the Old Town of Al-Ula	De Smet, Alexandre*; Louman, Laura; Soubira, Thomas; Torre Guibert, Manon
470	Tracing Pottery Networks in the Late Hellenistic and Early Roman Mediterranean	Daems, Dries*; Kafetzaki, Danai
505	Exploring the structure of Roman terrestrial mobility: a network study of the roads of the Roman Empire using the Itiner-e dataset	Brughmans, Tom*; Mazzamurro, Matteo; de Soto, Pau; Pažout, Adam
410	Relating Roman Rings: an open and reproducible approach to understanding provenance patterns of wood using networks	Visser, Ronald*

23	Nodes, neighbors and networks: a comparative approach to Roman trade dynamics	Zerzeropulos, Katharina*
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13:45-16:05

Session 54. Photorealist[ish] - Another look at appearance and 3D documentation in heritage

239	Documenting and presenting material properties of archaeological artefacts in 3D	van Riel, Sjoerd*; Bonelli, Letizia; Pantos, Alexis
164	Relative-Depth Imaging and the Digital Squeeze: Nonphotorealistic tools for Epigraphical Autopsy at the Athenian Agora	Sapirstein, Philip*
261	New Technologies for the Documentation and Visualization of Greek Pottery	Günzel, Adriana*; Lang, Matthias; Pathé, Philippe
367	GCS Model: Developing 3D Reconstructions of Classical and Hellenistic Statues for Interactive Museum Exhibition based on the PSHuman Algorithm	Du, Yiming*; Lercari, Nicola; Schröder-Griebel, Nele
475	3D digitization of a composite medieval sword: challenges between dry versus wet surfaces	Papoutsaki, Roza; Makris, Dimitrios*; Petrou, Maria; Rapti, Stavroula; Malea, Ekaterini; Giannoulaki, Maria; Argyropoulos, Vasiliki
468	3D Model Representations of Crosses with Micro-Relief Utilizing Photogrammetry and NeRFs Techniques	Sisamakis, Michael; Makris, Dimitrios*
359	Double-Hemisphere RTI for Translucent Heritage Objects	Storeide, Markus Sebastian*; Gigilashvili, Davit; Trumpy, Giorgio; Łojewski, Tomasz; Pantos, Alexis

16:15-17:45

Session 54. Photorealist[ish] - Another look at appearance and 3D documentation in heritage

308	Neural Rendering and 3D Reconstruction for Mass Digitization of Cultural Heritage? A Case Study of Medieval Tombstones (Stećci)	Škerjanec, Luka*
501	Pretty Pictures and Research Tool: Enhancing 3D Documentation of Historic Clinker Boats through Parametric Modeling	Fröhlich, Fred*; Nielsen, Sigurd Solhaug
326	Balancing Photorealism and Transparency: A FAIR Approach to 3D Digitisation for	Fabbri, Francesca*; Bordignon, Alice; Collina, Federica; Ferdani,

	Cultural Heritage documentation and dissemination	Daniele; Rega, Maria Felicia; Sullini, Mattia
233	Integrating Architectural Historiography and Digitalization: HBIM Documentation of San Nicola in Carcere's Evolution from Temple to Church	Ley, Yannick *; Argasiński, Karol
13	What You Don't See is What You Don't Get: Pitfalls of Effortless Photorealism in Archaeological Documentation	Paukkonen, Nikolai*

18:00-19:30

Session 27. Release the Kraken - Mobile GIS empowering survey communities across the globe

266	Mobile GIS and Digital Data Collection Workflows and Training Tools in the Context of International Collaboration: Assessing the QField Cloud Platform	Lindsay, Ian*; Kong, Nicole Ningning; Kalyanam, Rajesh
241	MobileGIS Workflow: Towards a New Approach for Documenting Multi-Period Rural Sites in Tunisia	Chyla, Julia; Makowski, Piotr*; Antos, Magdalena; Kowalewski, Konstanty; Waliszewski, Tomasz; Hajji, Jamel; Ghozi, Fauzi
277	Mapping Memory: Mobile GIS and UAV-Assisted Prospection in the Huarmey and Culebras Valleys, Peru	Chyla, Julia; Giersz, Miłosz*; Pimentel Nita, Roberto
334	What's up in the hood? Digital surface survey of the Thracian landscape around the Neolithic site of Paradimi.	CHRYSAFAKOGLU, PERIKLIS*; Sgouropoulos, Kyriakos; Dębiec, Maciej; Tasaklaki, Marina; Urem-Kotsou, Dushka
58	LET'S DIG WITH QFIELD! A mobile GIS for archaeological excavation.	Rossi, Matteo*
423	"From the Mountains to the Plains": Surveying diverse cultural landscapes in central and northern Greece using the Qfield mobile phone application.	Venieri, Konstantina*; Apostolou, Giannis; Garcia-Molsosa, Arnau; Georgiadis, Mercourios ; Krahtopoulou, Athanasia; Orengo, Hector

Poster Session

305	Assessing site presence through radiocarbon density distributions: a new perspective on chronological modelling	Rizzitano, Filippo*
200	Review of AI-Driven Chatbot Solutions for Remote Sensing in Archaeology	Melillos, Nicolas*; Agapiou, Athos
42	Topography Visualisation Toolbox: An open-source tool for visualising rock art and beyond	Green, Ashely*; Horn, Christian; Potter, Rich
490	Life in the mountains under the Venetians: topographical investigation of the settlement patterns in the Orno and Thripti mountains, east Crete	Bieńkowski, Rafał*
190	Towards Image-Based Machine Learning Palaeographic Analysis in Greek Inscriptions	Evans, Matthew*; Eleftheriadou, Anastasia
520	Automated detection of Holocene archaeological structures along the southern edge of the Nefud Desert, a comparison of proprietary and freely available satellite imagery.	Hatton, Amy*
313	Automating the identification of frost-related features in archaeological micromorphology using deep learning	Kouki, Sofia*; Murphree, William; Soares-Remiseiro, Miguel; Kanbar, Hussein; Peters, Carli; Coxito, Pedro; Aldeias, Vera
287	Using ChatGPT For Simplified Processing Of Magnetometric Data In Archaeology	Zakirov, Azamat*; Yanbukhtin, Ilyas; Musaev, Ulugbek
193	With R for Reuse: Data Reuse for the Diachronic Analysis of the Reuse of the Megalithic Landscape in Gipuzkoa (Northeast of the Iberian Peninsula)	EGUILEGOR, IZASKUN*
144	From Deultum to DigiDeultum: Upgrading the Historical Narrative by Connecting Diverse Sources	Grozdanova, Lily*; Boteva-Boyanova, Dilyana; Dimitrov, Nikolay; Ivanova-Anaplioti, Hristina; Kostova, Krasimira; Dakashev, Emil
365	Modeling Roman Equid Archaeofaunal Data: Within or Beyond the RomAniDat Initiative	Schmidtová, Dominika*; King, Anthony; Smíšek, Michal; Groot, Maike; Klontza, Věra; Fernandes, Ricardo
356	Historical Cartographies as a Metaphor to Access Linked Open Data	La Manna, Bianca*

445	A customizable data collection App at your fingertips: the example of the survey between Eretria and Amarynthos	Chezeaux, Chloé*
187	Adapting to the Field: Digital Recording Practices in International Commercial Archaeology	Drillat, Quentin*; Darchambeau, Antoine
306	Documentation for Challenging Palaeolithic Excavations: Digital Solutions at MSA site of Got10 (Southern Ethiopia)	Lucchini, Francesco*
34	Exploring Ancient Egyptian Water Management: New Insights from Remote Sensing Techniques at the Wadi al-Garawi Dam (Helwan, Egypt)	Marsal , Roser*; García-Carpallo, Jesús; Graham, Angus ; Puche Fontanilles, Josep Maria
355	SODa – Sammlungen, Objekte, Datenkompetenzen (Collections, Objects, Data Literacy)	Tharandt, Louise*
111	LiDAR and its integration with other Remote Sensing techniques for Iron Age Archaeology in the Valencian region (Spain).	Centelles Fullana, Maria Lucrecia*; Cuenca-García, Carmen; Risbøl, Ole; Martín Sidro, Valeria
455	3D Scanning And 3D Printing: For Precise Data Collection In Archaeology	Moralez-Glenn, Naomi*; Rigas, Georgios; Panagiotidi, Vayia
141	Digital Insights into Ancient Artefacts: Investigating Ceramic Vessels for Perfumed Oil from Ancient Thrace	Raykovska, Miryana ; Stamberova, Miglena; Petkov, Nikolay; Raykovska, Miglena*; Jones, Kristen; Vasileva, Slava
299	Documentation and Analysis of 3D-Scanned Archeological Finds with TroveSketch 2	Rudolph, Carsten; Reuter, Thomas*