

19-21 NOVEMBER 2024 MEGARON THE ATHENS CONCERT HALL

PROGRAM

Tuesday, November 19, 2024

08:30-09:30	Registration
09:30-10:30	Welcoming Addresses
	1st Session: Invited Speakers
10:30-11:00	Wright Michael, Independent Scholar, London "The Antikythera Mechanism as a Mechanical Artefact"
11:00-11:30	Moussas Xenophon, Professor, Department of Astrophysics, Astronomy and Mechanics, Faculty of Physics, School of Science, National and Kapodistrian University of Athens "Hellenistic Science: From Observations to Pure Science and Technology Based on the Laws of Physics. The Example of the Antikythera Mechanism"
11:30-12:00	Break - Coffee
	2nd Session: Quarrying – Sculpture
12:00-12:20	Kozelj Tony, Architect PhD & Archaeologist, Wurch-Kozelj Manuela, Architect PhD & Archaeologist, French School at Athens "The Techniques of Marble Extraction in the Antique Quarries of Thassos'
12:20-12:40	Koukouvou Angeliki, Archaeologist, Archaeological Museum of Thessaloniki "Stone Quarrying for Building in Antiquity and Quarrying Techniques"
12:40-13:00	Merkouri Christina, Archaeologist, Director of the Ephorate of Antiquities of West Attica, Anagnostopoulou Eirini, Archaeologist, Ephorate of Antiquities of West Attica
13:00-13:20	"Ancient Quarry in Petroupoli" Bilis Themistoclis, Dr Architect Engineer, NTUA, German Archaeological Institute "'Phidias Workshop' in Olympia - New Data and New Interpretations"
13:20-14:00	Discussion
14:00-15:30	Break







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3rd Session: Shipbuilding - Navigation

15:30-15:50	Wachsmann Shelley, Texas A&M University & Institute of Nautical Archaeology "Big and Small: The Construction of the Panathenaic Ship and the Dionysian Ship Cart in Ancient Athens"
15:50-16:10	lossifidis Thomas, Archaeologist, Panopoulou Elena, Archaeologist "Shipbuilding Technology during the Late Bronze Age: Comparative Overview of the Evidence through Linear B and Archaeological Remains"
16:10-16:30	Papamarinopoulos Stavros, Professor of Geophysics, University of Patras "Knowledge of River Navigation Systems in Europe and the Atlantic Ocean between the 13th and 12th Century BC according to the Ancient Text Argonautica-Orphica"
16:30-16:50	Preka-Papadima Panagiota, Professor of Astrophysics, Astronomy, and Mechanics, Department of Physics, National and Kapodistrian University of Athens (NKUA) "Knowledge of Celestial Cartography and Ocean Currents for Navigation in the Atlantic Ocean during the 1st Century AD, according to the Writings of Plutarch"
16:50-17:20	Break – Coffee 4th Session: Construction, Geotechnical Engineering
17:20-17:40	Gautier Di Confiego Edoardo, Engineer, Former Assistant Professor at the Polytechnic University of Turin
17:40-18:00	"Nero's Cenatio Rotunda. An Example of Hellenistic Engineering" Palyvou Clairy, Professor Emerita, Department of Architecture, Aristotle University of Thessaloniki (AUTH), Rethemiotakis Giorgos, Director Emeritus of the Archaeological Museum of Heraklion, Christakis Kostis, PhD, Knossos Curator, British School at Athens, Athanasiou Kostas, PhD Architect Engineer "Mason's Marks from the Minoan Palace of Galatas"
18:00-18:20	Bitis Ioannis, Architect Engineer, Italian Archaeological School, Spanou Nikolia, Archaeologist, University of Crete, Tsigonaki Christina, Assistant Professor, Department of History and Archaeology, University of Crete "The Screw of the Treasury in the Temple of Ancient Eleutherna"







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18:20-18:40	Dounias Georgios, PhD Civil Engineer-Geotechnical Engineer, Lotidis Michail, PhD Mining Engineer-Metallurgist / EDAFOS CONSULTING ENGINEERS S.A. "Retaining Walls in Ancient Theater Construction - Geotechnical Approach"
18:40-19:00	Pelekanos Marios, PhD Architect Engineer, Frederick University, Cyprus "The Wooden-Roofed Basilicas of Troodos in Cyprus (15th-19th Centuries). The Morphological Introduction and Adaptive Transformation of the Construction Type"
19:00-19:20	Papastathopoulou Aristea, PhD Archaeologist, Ephorate of Antiquities of Phthiotis-Evrytania "The Built Macedonian-Type Vaulted Tomb at Perivoli Spercheiados. The Architecture of a Monument of Great Importance Built during the Peak of Macedonian Rule"
19:20-19:40	Pizzigoni Attilio, Architect, former Professor at the University of Bergamo, Italy "The Tile of Delphi. Designed to Protect from Rainwater or as a Self-Supporting Structural Element for the Construction of a Vaulted Roof?"
19:40-20:00	Discussion

Wednesday, November 20, 2024

5th Session: Byzantium - Arabs / Chemistry - Glassmaking

09:00-09:20	Vus Oleh, Historian PhD, Independent Researcher, Papastathopoulou Aristea, PhD
	Archaeologist, Ephorate of Antiquities of Phthiotis-Evrytania
	"Skivarin – Early Byzantine Fortress in the Belbek Canyon of the Crimean
	Mountains"

09:20-09:40 Zampaki Theodora, Dr. of Graeco-Arabic Studies, Hellenic Open University
"The Greek Tradition of Engineering in Al-Jazarī's Work Kitāb Fī Ma'Rifat AlḤiyal Al-Handasiyya (The Book of Knowledge of Ingenious Mechanical
Devices)"







09:40-10:00	Nikolaou Anastasia, E.DI.P. Member, Department of Greek Philology, Democritus University of Thrace "The Influence of Paul of Aegina on Arab Medicine: The Case of Theriac"
10:00-10:20	Touliatos Panagiotis, Professor Emeritus, National Technical University of Athens (NTUA), Professor at Frederick University of Cyprus "Hidden and 'Invisible' Fortifications Against Humans and Nature in Byzantine and Post-Byzantine Architecture"
10:20-10:40	Manoutsoglou Emmanuel, Professor, Technical University of Crete "Locations, Physical Characteristics, and Chemistry of the Waters of Two Asclepieia in Crete"
10:40-11:30	Break – Coffee Film screening
	6th Session: Engineering and Measuring Mechanisms
11:30-11:50	Vasileiadou Soultana, Assistant Professor, University of West Attica "Locking and Safety Mechanisms in Antiquity"
11:50-12:10	Tasios Theodosios, Professor Emeritus, NTUA "Mechanical Analysis of the Quasi-Self-Movement of Posidonius' Helepolis"
12:10-12:30	Argyropoulos Alexandros, Civil Engineer "The Usefulness of the Antikythera Mechanism"
12:30-12:50	Voulgaris Aristeidis, Thessaloniki Municipality, Department of Culture and Tourism, Mouratidis Christophoros, Assistant Professor of General and Technical Subjects, Merchant Marine Academy of Syros, Vossinakis Andreas, Friends of Astronomy Club Thessaloniki
	"The Draconic Gearing of the Antikythera Mechanism: Evidence for Its Operation – The Mechanical Behavior of Its Parts"
12:50-13:10	Efstathiou Kyriakos, Professor Emeritus, Aristotle University of Thessaloniki (AUTH), Efstathiou Marianna, Cyprus University of Technology, Bassiakoulis Alexandros, Mechanical Engineer, AUTH, Kokkinos Neofytos, Cyprus University of Technology "The Antikythera Mechanism: An Educational Tool for Astronomy Schools or a Scientific Instrument for Precise Prediction of Astronomical Phenomena?"







13:10-13:30	Kotsanas Kostas, Museum of Ancient Greek Technology "The Hydraulic Clock (or Calendar) - Planetarium of Andronikos of Kyrrhos"
13:30-14:00	Discussion
14:00-15:30	Break
	7th Session: Hydraulic Works
15:30-15:50	Anagnostopoulou Eirini, Archaeologist, Miliionis, Christos, PhD Archaeologist, Youtsos Nektarios-Petros, PhD Archaeologist, Tzefronis Spyridon, Architect Engimeer,, Vazaiou Anezina, Conservator / Ephorate of Antiquities of West Attica "The Waterways: System of Pipes – Wells – Reservoir from Ancient Times in Acharnes"
15:50-16:10	Giannopoulou Maria, PhD Archaeologist, Ephorate of Antiquities of Piraeus and Islands "Water Management Technical Works in Troezen"
16:10-16:30	Papafotiou Apostolos, PhD Civil Engineer, NTUA "Water Management of Aqueducts in the Roman Empire for Drinking Purposes through Inscriptions and Legislation of the Early Byzantine Era"
16:30-16:50	Michalopoulou Sofia, Archaeologist, Ephorate of Antiquities of Piraeus and Islands, Deuteraios Panos, Civil Engineer, Chiotis Efstathios, PhD Mining Engineer, IGME "Preliminary Investigation of Ancient Hydraulic Works in Aegina"
16:50-17:20	Break - Coffee
	8th Session: Carpentry – Pottery / Agricultural Technology – Weaving
17:20-17:40	Lygouri-Tolia Eftychia, Archaeologist, Former Head of the 26th Ephorate of Prehistoric and Classical Antiquities, Anagnostopoulou Anna-Maria, PhD Archaeologist, Ephorate of Antiquities of Piraeus and Islands, Giamalidi Mary, Archaeologist / Ephorate of Antiquities of Piraeus and Islands "The Kilns of the Pottery Workshop from the Systematic Excavation at Agios Nikolaos Pallon, Voula, Attica"







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17:40-18:00	Malouta Myrto, Assistant Professor, Ionian University "The Contribution of Papyri from Greco-Roman Egypt to the History of Carpentry"
18:00-18:20	Michailidou Anna, PhD Archaeologist, Research Director Emerita at the National Hellenic Research Foundation "Exploring the Relationship Between Writing and Pottery Technology at Akrotiri, Thera: The Case of Two Vessels with Incised Linear A Writing"
18:20-18:40	Di Salvo Federico, Sapienza University of Rome, Department of Science of Antiquities "Spinning Technology in Classical Attica: The Iconographic Evidence"
18:40-19:00	Kolaiti Eleni, Mining Engineer NTUA, PhD in Geoarchaeology, National Hellenic Research Foundation, University of Nottingham, Society for the Study of Ancien Coastlines – AKTES, Mourtzas Nikos, PhD Geologist, University of Nottingham, Society for the Study of Ancient Coastlines - AKTES "The Ancient Rock-Cut Trenches for Viticulture in Paros, Antiparos, and Surrounding Islets (Cyclades)"
19:00-19:20	Mavrofrydis Giorgos, Archaeologist, University of the Aegean, Goras Giorgos, Assistant Professor, Agricultural University of Athens, Petanidou Theodora, Professor, University of the Aegean "Beekeeping Technology in Ancient Greece"
19:20-19:40	Raftopoulou Stella, Archaeologist, Ephorate of Antiquities of East Attica, Kontonika Georgia, Archaeologist, Ephorate of Antiquities of Aetolia-Acarnania- Lefkada, Tsonos Iraklis, Archaeologist, Ephorate of Antiquities of East Attica

Friday, November 21, 2024

Discussion

9th Session: Ancient Engineers, Mobility and Cultural Interaction, Innovation - Technology

"Farming and Cultivation Methods in Attica During the Classical Period"

09:00-09:20 Antonopoulos Panagiotis, PhD in Virtual Reality in Education, Stefanakis Manolis, Professor, University of the Aegean, Fokidis Emmanuel, Associate Professor, University of the Aegean

"Reviving the Technology of the Past through Immersive Virtual Reality: The Case of the Fire-Signaling Towers (Fryktories)"





19:40-20:00



09:20-09:40	Vogiatzis Sotiris, PhD Architect, NTUA "Innovation and Explorations in 8th-Century AD Construction: The Church of Panagia Katapoliani in Paros"
09:40-10:00	Kakogiannos Ioannis, University of West Attica, Vasileiadou Soultana, Assistant Professor, University of West Attica "The Concept of Innovation in Ancient Greek Technology and its Influence on the Evolution of Technology over the Centuries"
10:00-10:20	Moutousidou Ourania, Aristotle University of Thessaloniki (AUTh), Tokmakidis Konstantinos, Professor, Department of Rural and Surveying Engineering, AUTh "Ancient Greek Scientists (600 B.C 600 A.D.) on the Concepts of Space and Time: A Geographical Approach Based on Biographies"
10:20-10:40	Belogianni Maria, PhD Archaeologist, Department of History and Archaeology, National and Kapodistrian University of Athens (NKUA) "The Reception of the 'Technophilia' of Ancient Greeks by Secondary Education Students"
10:40-11:00	Petrakis Vassilis, Assistant Professor, Department of History and Archaeology, NKUA "Mycenaean Palatial Technoscapes: Eclectic Palatial Interest in Craft Production in the Late Bronze Age Aegean (1400-1200 BCE)"
11:00-11:30	Break – Coffee
	10th Session: Military Technology
11:30-11:50	Giannakos Konstantinos, Civil Engineer PhD, General Secretary of EDAByT. Evidence for the Influence of Mycenaean Building and Defensive Technology in Troy VI around 1400 B.C.
11:50-12:10	Giannopoulos Theodoros, Assistant Professor, School of Humanities & Social Sciences, Open University of Cyprus Military Technology in the Late Bronze Age Aegean: Warrior Burials of Northwestern Peloponnese and Their Relation to the Fall of the Mycenaean Palaces
12:10-12:30	Bakas Spyridon, Archaeologist, University of Warsaw, Poland, Katsikis Dimitrios, Ancient Weapons Armorer, MSc, Wageningen University, Netherlands The Dendra Panoply: Approaches to Its Operational Functionality







12:30-12:50	Bellas Ioannis, PhD Archaeologist, AUTh The Bow: A Smart Weapon in the Ancient Greek World. Usage, Construction, and Properties
12:50-13:10	Faklaris Panagiotis, Professor, Department of History and Archaeology, AUTh Iron Arms and Armor from Macedonian Graves
13:10-13:30	Stamatopoulou Vasiliki, PhD Archaeologist, Ephorate of Antiquities of the City of Thessaloniki, University Excavation of Vergina, Section of the Acropolis and Walls Hoplite Shields with Iron Attachments: Exploring the Armament of Alexander the Great's Campaign
13:30-14:00	Discussion
14:00-15:30	Break
	11th Session: Economy – Energy – Standardization
15:30-15:50	Brysbaert Ann, University of Leiden, Faculty of Archaeology, Netherlands Institute at Athens
	Labor and Its Cost During the Late Bronze Age in Argolis, Greece
15:50-16:10	Moullou Dorina, PhD Archaeologist, Ephorate of Antiquities of Eastern Attica / Hellenic Open University (HOU), Zerefos Stelios, PhD Architect Engineer, School of Applied Arts, HOU, Balafoutis Thanos, PhD Architect Engineer, HOU, Topalis Fragiskos, Professor, School of Electrical and Computer Engineering, NTUA, Doulos Lambros, Associate Professor, School of Applied Arts, HOU On Lamps: Archaeological and Photometric Approaches
16:10-16:30	Niaounakis Michail, PhD Physicist, NTUA, European Patent Office Reuse and Recycling in the Greek World
16:30-16:50	Papageorgiadou Charikleia, Director of Research at the Institute of Historical Research, National Hellenic Research Foundation Coinage Transformations: From Production Defects to Control Methods
16:50-17:20	Break - Coffee







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12th Session: Mining, Metallurgy, Land Improvement Projects

17:20-17:40	Jeffreys Rosemary, Independent Researcher, London Methods of Gilding in Late Classical and Hellenistic Greece
17:40-18:00	Timotheou Yiannakis, Archaeologist, Ministry of Culture and Sports Archaeological Evidence of Iron Mining in Glyka Nera, Attica
18:00-18:20	Lolos Yiannis, Associate Professor, Department of History, Archaeology & Social Anthropology, University of Thessaly Ancient Land Improvement Projects in Historical Times (from the Archaic to the Roman Period) in Greece
18:20-18:40	Discussion
18:40-19:00	Closing discussion of the 3rd International Conference on Ancient Greek and

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