








International Conference
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NEW Technology
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 University of Naples, "L'Orientale", Italy, July 5-7, 2023

 UNIVERSITÀ DI NAPOLI L'ORIENTALE
  DAAM DIPARTIMENTO ASIA, AFRICA E MEDITERRANEO
  CISA
  INDIANA UNIVERSITY BLOOMINGTON
  FACES RevealE
  Dottorato Asia, Africa e Mediterraneo
  CEISMA Centro studi su interazioni e scambi nel mondo antico e medievale Università di Napoli L'Orientale

PROGRAMME

WEDNESDAY 5TH JULY PALAZZO CORIGLIANO, PIAZZA SAN DOMENICO MAGGIORE , AULA DELLE ANTICHITÀ (1ST LEVEL BASEMENT)	
from 8.30	Registration
9.00-9.30	Official opening Welcoming by: <ul style="list-style-type: none"> the Dean of University of Naples, "L'Orientale", Prof. Roberto Tottoli; the Director of the Department of Asia, Africa and Mediterranean Studies, Prof. Andrea Manzo; the President of the Interdepartmental Services Center for Archaeology (CISA), Prof. Roberta Giunta; the Head of the Egyptology section, Prof. Rosanna Pirelli
9.30-10.30	KEYNOTE LECTURE: STEPHEN VINSON & GABRIELE GUIDI (IU, BLOOMINGTON) "DIGITAL TRENDS IN THE STUDY OF EGYPTOLOGY"
10.30-11.00	COFFEE BREAK AND POSTER SESSION
SESSION 1/ TEXTS	
11.00-11.30	Christian Casey A Glossary of Ancient Zodiacal Terms

11.30- 12.00	Carlos Gracia Zamacona OCR-PT-CT: proof-of-concept project on OCR applied to hieroglyphs from the earlier Egyptian mortuary texts
12.00-12.30 ON-LINE	Heidi Jauhainen Aligning Encoded Hieroglyphic and Translated Words with Needleman-Wunch Algorithm
12.30-13.30	LUNCH BREAK
PALAZZO CORIGLIANO, SAN DOMENICO MAGGIORE SALA CONFERENZE (2ND FLOOR)	
SESSION 2/ 3D MODELLING	
13.30-14.00	Clementina Caputo, Alessandro Mandelli Digital and Cultural study of terracotta figurines in Egyptian Collections. The Project SUR.VI.V.E. – Phases 1-2
14.00-14.30	Mohammed Abdelaziz, Mohamed Elsayed Underwater archaeology in Alexandria-Egypt: New methods for documentation through the use of three-dimensional technology
14.30-15.00	Andrea Pasqui, Daniela Picchi Imag(in)ing Egyptology: the Bologna Coffin Project
15.00-15.30	COFFEE BREAK AND POSTER SESSION
15.30-16.30	KEYNOTE LECTURE: CORINNA ROSSI (POLITECNICO DI MILANO) “THE CONTRIBUTION OF THE IMMATERIAL REALM TO THE STUDY OF THE MATERIAL CULTURE”
SESSION 3/ FIELDWORK	
16.30-17.00	Marco Anzalone, Emanuele Brienza The Abu Ghurab landscape: from total Station to GIS and GPR
17.00-17.30 ON-LINE	Marie Peterková Hlouchová, Věra Nováková Database of burial containers from the Old Kingdom and First Intermediate Period
17.30-18.00	Patrizia Zanfagna, Massimiliano Nuzzolo Reconstructing ancient monuments: from excavations to BIM. The study case of the Sun Temple of Niuserra at Abu Ghurab

THURSDAY 6TH JULY PALAZZO CORIGLIANO, SAN DOMENICO MAGGIORE SALA CONFERENZE (2ND FLOOR)	
from 8.30	Registration
9.00-10.00	KEYNOTE LECTURE: PATRIZIA PIACENTINI (UNIVERSITY OF MILAN) “A MULTIDISCIPLINARY AND INNOVATIVE APPROACH: THE CASE OF THE AGA KHAN NECROPOLIS AT ASWAN”
SESSION 1/ CHEMICAL AND IMAGING TECHNIQUES	
10.00-10.30	Dina Faltings, Roman Sokiranski A Ptolemaic mummy from Akhmim: the first case of fatal mastoiditis and the ancient physician’s treatment
10.30-11.00	Maria Diletta Pubblico, Leila Birolo, Alessandro Vergara Chemical investigation on organic and inorganic materials present on the five cat mummies of the <i>Società Africana d’Italia</i>
11.00-11.30	Federica Ugliano, Silvia Amicone, Jade Bajot, Vanessa Forte, Giulio Lucarini

	From Macro to micro: pottery production in Predynastic Heliopolis
11.30-12.00	COFFEE BREAK AND POSTER SESSION
12.00-12.30	Daniela Picchi, Paola Buscaglia, Anna Piccirillo, Roberta Genta, Federica Pozzi, Michela Cardinali, Marco Samadelli, Alice Paladin, Claudia Caliri, Francesco Paolo Romano, Claudia Conti, Costanza Miliani An Egyptian mummy of the Roman period with a painted shroud: a multy-analytical study of its technical features
12.30-13.00	Nicole Manfredda, Luisa Vigorelli , Paola Buscaglia, Paolo Del Vesco, Tiziana Cavaleri, Marco Nervo, Sabrina Grassini, Laura Guidorzi, Alessandro Re, Alessandro Lo Giudice Analysis and comparison of two Middle Kingdom wooden statuettes from the Tomb of Minhotep, Asyut
13.00-14.00	LUNCH BREAK
14.00-15.00	KEYNOTE LECTURE: ANDREA D' ANDREA (UNIOR) "ARCHAEOLOGICAL DATA AND DIGITAL SOCIETY"
SESSION 3/ ARTIFICIAL INTELLIGENCE & VIRTUAL REALITY	
15.00-15.30	Heleen Wilbrink Artificial Intelligence for Egyptology
15.30-16.00	Angela Bosco, Federico Avano, Andrea D'Andrea, Gilda Ferrandino, Zied Mnasri A digital archive for religious texts from the Nile Valley and beyond
16.00-16.30	Alessia Amenta 'Sekhmet Project'. Research and development of innovative investigative methods
16.30-17.00	COFFEE BREAK AND POSTER SESSION
17.00-17.30	Eiman Elgewely Integrating Virtual Heritage Projects in Educational Curriculum: The Case of Reviving Karanis in 3D
17.30-18.00	Elaine Sullivan, Rita Lucarelli, Matthias Lang, Eiman Elgewely Virtual Reality as "Virtual Traveling": re-imagining the sarcophagi of Psametek and Padinese in their 26 th Dynasty Tombs in Saqqara

FRIDAY 7TH JULY PALAZZO CORIGLIANO, SAN DOMENICO MAGGIORE SALA CONFERENZE (2ND FLOOR)	
from 8.30	Registration
9.00-10.00	KEYNOTE LECTURE: ENRICO FERRARIS (MUSEO EGIZIO, TURIN) "TT8 PROJECT: DECODING THE MATERIALITY OF THE INTACT GRAVE GOODS OF KHA AND MERIT (EGYPT, CA 1400 A.C.)"
SESSION 1/MUSEUM AND PUBLIC ENGAGEMENT	
10.00-10.30	Adelaide Marsilio, Francesca Manclossi, Donatella Barca, Mohamed Hamdan, Federica Ugliano, Giulio Lucarini Predynastic lithic production at Heliopolis, Egypt: new light on a forgotten Museum collection
10.30-11.00	Federico Poole An Online-Only Publishing Experience: the <i>Rivista del Museo Egizio</i>
11.00-11.30	Massimiliano Nuzzolo, Celestino Grifa, Vincenzo Morra, Salvatore Schiavone, Maria Francesca Alberghina, Chiara Germinario, Mohamed Osman

	The Palermo Stone and its associated fragments. New technological approaches to old data
11.30-12.00	COFFEE BREAK AND POSTER SESSION
12.00-12.30	Paolo del Vesco Egyptian Archaeology “at the Laptop’s Edge”
12.30-13.00	Willeke Wendrich Digital Heritage and Community-Engaged Research
13.00-14.00	LUNCH BREAK
14.00-15.00	KEYNOTE LECTURE: STEFANIA MAINIERI (MUSEO EGIZIO, TURIN / UCLA) “ <i>FACES REVEALED PROJECT</i> (MSCA: 895130). DISCOVERING THE CONCEALED. PHOTOGRAMMETRY AS A ‘KEY TOOL’ FOR STUDYING ANTHROPOID COFFINS”
SESSION 2/ 3D MODELLING	
15.00-15.30	Carlo Rindi Nuzzolo The role of laser scanning and photogrammetry in investigating geographical provenience and regional craftsmanship: graeco-roman cartonnage from the Egyptian Western Desert
15.30-16.00	Victor Ghica, Mohamed Abdelaziz 3D visualization of fourth-century Christian monuments and archaeological sites of Egypt
16.00-16.30	Tommaso Montonati, Federico Taverni Breathing new life into ancient fragments: 3D models and automated reconstructions of private statuary from Qau el-Kebir
16.30-17.00	COFFEE BREAK AND POSTER SESSION
SESSION 3/ DOCUMENTATION AND DIGITAL PUBLICATIONS	
17.00-17.30	Ariel Singer, Murray Owen, Pantos Alexis The King’s Chamber: a digital publication prototype
17.30-18.00	Vivas Sainz Immaculada, Gema Menendez Insights of the Egyptian artists: documenting Theban funerary painting <i>in situ</i> . A new approach.
18.00-18.30	Facciani Sara, Alessia Brucato, Alberto Urcia, Antonio Curci, Maria Carmela Gatto Documenting stone structures in the west bank of Aswan (Egypt): from mobile 3D recording to GIS spatial analyses
DINNER ‘O MUNACIELL RESTAURANT, PIAZZA DEL GESÙ NUOVO H. 20.30	