



ICHAJ 14

International Conference on the History and Archaeology of Jordan

***“Culture in Crisis:
Flows of Peoples, Artifacts and Ideas”***

PROGRAM SCHEDULE

N.B. Please remember to check the notice-board each day in ‘CAPPONI’, near the Secretariat, for updates of the program as well as the session program on the door of each session room

MONDAY, JANUARY 21ST

Palazzo Vecchio, Salone dei Cinquecento
Piazza della Signoria

PLENARY OPENING SESSION

Welcome Addresses by the Scientific and Organizing Committees

Guido VANNINI – Director of the School of Specialization of the University of Florence

Yazid Hashem Mohammed ELAYAN - HE Director General of the Department of Antiquities

10.00-13.00

Welcome Addresses by the Civil and Academic Authorities

Guglielmo PICCHI – Undersecretary for Foreign Affairs and International Cooperation

Giorgia GIOVANNETTI - Prorettore all'Internazionalizzazione

Costanza FARINA - UNESCO Representative to Jordan

Dario NARDELLA – Mayor of Florence

Eugenio GIANI – President of the Regional Council of Tuscany

KEYNOTE Lectures

Oystein LABIANCA - Andrews University

“A ‘Global Turn’ for the History and Archaeology of Jordan:

Scholars Engaging a Planet and a Culture in Crisis”

Giovanni CURATOLA – University of Udine

“The Necessary Archaeology”

Welcome Addresses by

H.R.H. Prince EL-HASSAN BIN TALAL

MONDAY, JANUARY 21ST

University of Florence
Via Capponi, 9

8.00-15.00

REGISTRATION

14.00

OPENING OF THE EXHIBITION

The Land of Jordan: An Italian Perspective

Andrea ZORZI - Director of Dpt SAGAS

Fabio CASSESE – Ambassador of Italy to Jordan

Fayiz KHOURI –Ambassador of Jordan to Italy

Andrea POLCARO - Curator of Exhibition

14.00-15.00

WELCOME RECEPTION APERITIVE

AFTERNOON SESSIONS

University of Florence – Via Capponi, 9

UniFi – Via San Gallo, 10

Room 5

Room 13

Room 14

Room 16

Aula Magna

**History and Archaeology of
Jordan**

**Science, Methods and
Technology in Archaeology 1**

**Public Archaeology and
Social-Economic
Development 1**

**History and Archaeology of
Jordan**

**History and Archaeology of
Jordan**

CLASSICAL PERIODS 1

LANDSCAPE STUDIES

AWARENESS AND EDUCATION

BRONZE AND IRON AGE 1

PETRA AND NABATEANS 1

CHAIR: Paolo Liverani

CHAIR: TBA

CHAIR: Giorgia Cesaro

CHAIR: Marina Pucci

CHAIR: Megan Perry

15.00-17.20

15.00
15.20

Ekhlass Al Qananweh
A Study of Para-biblical
Texts of the Dead Sea
Scrolls

Lauren N. Prossor
Soil micromorphological
investigation of early Natufian
site, Wadi Hammeh 27,
Jordan

**Claudia Bührig,
Frank Andraschko**
Sustainable Development for
Heritage and Nature
Protection. Transfer and
Communication of Cultural
and Natural Heritage for
Children and Young Adults in
Gadara/Umm Qays

Bernd Müller-Neuhof
No splendid isolation!
Characteristics and
localisation of external
contacts of the LC/EBA
culture in the Northern
Badia

**Caroline Durand,
Yvonne Gerber**
When Nabataeans settled in
the Hejaz: new insights from the
Nabataean fine ware found in
Hegra/Madā'in Sālih (North
West Arabia)

15.20
15.40

Debra Foran
The ritual landscape of the
ancient town of Nebo

**Lisa A. Maher,
Danielle A. Macdonald**
Place-Making in the Wetland:
Microstratigraphic traces of
Hunter-Gatherer Lifeways at
Kharaneh IV and beyond

Katarzyna Radziwilko
Heritage tourism and public
archaeology reflected by
sociological study and
analysis conducted in
southern Jordan. Case of HLC
Project

Peter M.M.G. Akkermans
Recent research into the
Bronze Age and Iron Age
burial cairns of Jebel
Qurma, east of Azraq

Ueli Bellwald
Wadi Aglat Winery in Little
Petra, a Model for the
Nabataean Wine Production in
the Beidha – Ba'ja Area

15.40
16.00

Danielle Steen Fatkin
Toward an Understanding
of the Nabataean-Judaean
border

**B. Lucke, N. Abu Jaber,
P. Kouki**
Sediments in ancient ruins in
Jordan as archives of dust
deposition and land use

Nofa Nasser
The Archaeology Clubs in
Schools in Jordan

Susanne Kerner
The Ritual Landscape of
Murayghat, 5 years of
excavation and survey

David F. Graf
The Nabataean Crocodile Betyl

16.00
16.20

Barbara Reeves
Pictorial Graffiti Associated
with the Soldiers and
Civilians of Nabataean and
Roman Humayma

**Chiara A. Corbino,
Paul Mazza**
Human-animal interaction in
Middle Islamic Jordan
(Ayyubid and Mamluk
periods)

Franco Sciorilli
Father Michele Piccirillo: An
archaeologist dedicated to
restoration

**Andrea Polcaro,
Juan Ramon Muniz**
Jebel Al-Mutawwaq.
Preliminary Report of the
2016-2018 Excavation
Seasons of the Spanish-
Italian Expedition

**Z. Al Salameen, F. Abudana, L.
Tholbecq**
Documenting the visible
architectural remains of Kh.
Braq (Greater Petra Area): a
new joint project between the
al-Hussein Bin Talal University
(Ma'an, Jordan) and the
Université Libre de Bruxelles
(ULB)

	<p>16.20 16.40</p>	<p>John Peter Oleson A Military Brewery in the Trajanic Fort at Hauarra/Humayma, Jordan</p>	<p>P. Kouki, B. Lucke, N. Abu-Jaber Geoarchaeological evidence of cultivation and environment in the Petra region</p>	<p>Lucilla Rami Ceci, Luigi Marino Ruins and People. Economic Crisis, global Tourism and Enhancement of Heritage in Petra (Jordan)</p>	<p>E. Casadei, A. Caselli, V. Alvarez Martinez, J. Garcia del Rio Jebel Al-Mutawwaq. Ceramic and Lithic Analysis from the Spanish-Italian Expedition</p>	<p>F. Rojas, S. Newman, C. Nicosia Archaeological Investigations in Petra's Agricultural Hinterlands</p>
	<p>16.40 17.00</p>	<p>Noor Mulder-Hymans The Oil Lamps from Tell Abu Sarbut Jordan</p>	<p>R. Gabrielli, F. Sessa, A. Di Savino, A. Angelini, E. Fidenzi, E. Scopinaro, P. Galatà Research and development of a methodology for a three-dimensional representation of Jordan Cultural Heritage for blind and visually impaired people, through digital manufacturing techniques</p>			
	<p>17.00 17.20</p>	<p>Achim Lichtenberger, Rubina Raja The 2011-2018 work of the Danish-German Jerash Northwest Quarter Project: Results and Perspectives</p>				

TUESDAY, JANUARY 22ND

MORNING SESSIONS (A)

University of Florence – Via Capponi, 9

University of Florence – Via San Gallo, 10

Room 5

Room 13

Room 14

Room 16

Aula Magna

Aula Parva

*History and
Archaeology of
Jordan*

MIDDLE AGES AND
OTTOMAN PERIOD 1

CHAIR: C. Pappalardo

*History and
Archaeology of
Jordan*

PETRA AND
NABATEANS 2

CHAIR: Leigh-Ann Bedal

*History and
Archaeology of
Jordan*

PREHISTORY 1

CHAIR: Domenico Lo Vetro

*History and
Archaeology of Jordan*

BRONZE AND IRON AGE
2

CHAIR: Andrea Polcaro

*History and
Archaeology of
Jordan*

CLASSICAL PERIODS 2

CHAIR: Ilaria Romeo

*Science, Methods and
Technology in Arch. 2*

LANDSCAPE STUDIES AERIAL
AND HISTORICAL
PHOTOGRAPHY FOR
ARCHAEOLOGY

CHAIR: Michele De Silva

9.00-11.00

9.00
9.20

**Julien Aliquot,
Abdulqader Al Housan**
St. John the Baptist'
church in Rihāb:
Epigraphy and history

**Jennifer Ramsay,
Megan A. Perry**
Archaeobotanical
Evidence of Mortuary
Behavior from the
Shaft Tombs at Petra

Geoffrey A. Clark
Pleistocene Forager
Mobility in the west
Jordanian Highlands –
a Landscape
Approach

Mohammed Alzahrān
Wadi Khuneizir
Astonishing Discoveries
2018. Unknown Tombs
from the Early Bronze
Age and Nabataean
Periods

Patric-Alexander Kreuz
Amoenitas in change.
Decapolis urban
ambiences, 2ndto 6th
centuries

Stefano Anastasio
Historical photographs and
archaeology: the case
study of K.A.C. Creswell's
photographs of the Amman
Citadel

9.20
9.40

Davide Bianchi
A Cave to Live and
Pray: Topography of
Monastic Hermitages
in the Valleys of Nebo

**Younis Alshdaifat,
Zeyad Al Saalme**
El-khdari
Archaeological and
Epigraphic Survey
Project: The First
Season 2017

**R. Jagher, D. Wojtczak,
M. Al Nahar, K. Abu
Ghaneimeh, F.
Hourani, J.-M. Le
Tensorer**
The First Human
Settlements on the
Left Bank of the
Jordan

Meredith S. Chesson
There's no place like
home: an archaeology
of homemaking in EBA III
Numayra, Jordan

Nora Voss
Trade in the Dekapolis-
Region

**Mechthild Ladurner,
Fawzi Abu Danneh**
Ancient Farmsteads in the
Hinterland of Petra

9.40
10.00

**Andrea Vanni-
Desideri, Silvia
Leporatti**
The rupestrian chapel
of al-Wu'ayra and the
hermitic landscape of
Christian Petra

Marco Dehner
Building a Capital -
New Evidence for
construction
techniques in Petra

**A. Alsouliman, A.
Nowell, C. E. Cordova,
C. Ames, J. Pokines, D.
Stueber, C. Walker**
The paleoenvironment
of Shishan Marsh I, a
Lower and Middle
Paleolithic site in the
Azraq Oasis, northeast
Jordan

**M. D'Andrea,
J. C. Long, S. Richard**
New Insights about the
Early Bronze Age
Sequence at Khirbat
Iskandar: The 2016
excavations

Jeannette H. Boertien
Flow of artifacts ...
Chalkstone Vessels
from Tell Abu Sarbut

**Dana Salamin,
Ahmad Shami**
The Middle Ghour (Dair Alla
and al Shonah aljanobieh)
between documenting and
protection using available
satellite imagery and aerial
photographs

10.00
10.20

Khaled Al Bashaireh
Ecclesiastical marble
trade in Jordan during

Fawzi Abudanah
What does the
archaeological

**J. Zakrzęńska, A.
Brzeska-Zastawna, M.
Nowak, M. Wasilewski,**

**Steve Falconer,
Patricia Fall**
Village Life at Tell Abu

**Mohammed Al
Nasarat**
The Southern Jordan in

**Andrea Zerbini,
Michael Fradley**
Northern Jordan from the

		the Byzantine period: Case studies discussion	evidence tell us about Petra and its hinterland?	B. Witkowska Paleolithic of southern Jordan as reflected by inventories from the site of Faysaliyya (Shawbak directorate)	en-Ni'aj during the Early Bronze Age Urban Crisis	the Notitia Dignitatum. A Historical – Geographical Approach	air: landscape change in the mohafazhat of Irbid, Ajlun and Jarash over the last 100 years
	10.20 10.40		Robert Wenning Petraean Sculptures in Context – Problems and Insights	D. Wojtczak, R. Jagher, M. al-Nahar, K. Abu Ghaneimeh, F. Hourani, J.-M. Le Tensorer Early Middle Palaeolithic sites from Jordan and their contribution in understanding of a laminar phenomenon in the Levant	Lorenzo Nigro, Elisabetta Gallo Khirbet al-Batrawy 2015- 2017: the EB II-III four- lined fortifications and the discovery of the EB III City-Gate	Pawel Filipczak The Province of Arabia in the Fourth Century AD. The voice of the rhetor Libanius	Monther Jamhawi, Aktham Oweidi Archaeological projects in Jordan in perspective
	10.40 11.00			F. Sauer, J. Richter, Dirk Leder Late Pleistocene landscape and human mobility east of the Jordan Rift Valley: Results of gearcheological research in Wadi Sabra	Roser Marsal Rainwater storage systems at the site of Sela: ancient water technology in Southern Transjordan		
10.40-11.10		COFFEE BREAK					

TUESDAY, JANUARY 22ND

MORNING SESSIONS (B)

University of Florence – Via Capponi, 9

University of Florence – Via San Gallo, 10

Room 5

Room 13

Room 14

Room 16

Aula Magna

Aula Parva

*History and
Archaeology of
Jordan*

CLASSICAL PERIODS 3

*History and
Archaeology of
Jordan*

PETRA AND
NABATEANS 3

*Public Archaeology
and Social-Economic
Development 2*

AWARENESS AND
EDUCATION/ILLICIT
TRAFFICKING

*History and
Archaeology of
Jordan*

MIDDLE AGES AND
OTTOMAN PERIOD 2

*History and
Archaeology of
Jordan*

BRONZE AND IRON
AGE 3

*Science, Methods and
Technology in Archaeology 3*

LAND RESOURCES
MANAGEMENT

CHAIR: TBA

CHAIR: TBA

CHAIR: Barbara Porter

CHAIR: A. Vanni Desideri

CHAIR: Lorenzo Nigro

CHAIR: TBA

11.10-12.50

11.10
11.30

Claudia Bührig

Ancient Gadara and its
Hinterland

Pauline Piraud-Fournet

Houses of Nabataean
and Roman eras at
Dharîh and elsewhere

**Ahamad Elamaireh,
Amjad Awad**

Madaba Institute for
Mosaic Art &
Restoration and its role
in pioneering and
restoration of mosaic
floors and training and
teaching

IN ARABIC

Robert W. Smith

The Development of
the Abila/Quwaylibah
Pilgrimage Site in
Byzantine 'Palaestina
Secunda' and
Umayyad 'Jund al-
Urdunn'

**Mohammad Najjar,
Steven Collins**

Rethinking the Middle
Bronze Age of
Southern Jordan
Valley in the light of
the new discoveries at
the site of Tall al-
Hammam, Jordan
Valley

Amer Alsouliman

Pre-oasis culture in the
northwest Arabian Peninsula
(Mid-Holocene Qulban Bni
Mura Jordan)

11.30
11.50

Brita Jansen

The Hellenistic
fortification of Seleukeia
Gadara (Umm Qays)

Megan A. Perry

Petra in Crisis? Disease
and mortality of city
residents on the eve of
the Roman
Annexation

Abdel H. Al Husban

Discontinuities
(Physical, Emotional
and Cognitive) and
cultural heritage in
Jordan: Illicit
trafficking of
archaeological
objects

Basema Hamarneh

Rural Properties in
Byzantine and Islamic
Arabia and Palaestina
Tertia: Church, State
and Landowning élite

Steven Edwards

'Ayn Qusayba:
Excavations at a
Middle Bronze Site in
Northern Jordan

**Saba Farès,
Vincent Ollive**

GIS mapping of long-term
human interaction and water
access in Wadi Ramm

	11.50 12.10	David Boyer Water storage in the context of Gerasa's water management system in the Classical period	Mark Abbe, Michael Morris, Megan Perry Two Newly Discovered Marble Statues of Aphrodite from Petra's North Ridge	Ahmad Shami The obsession of searching for treasures: its negative impact on archaeological sites and the role of awareness in preserving them	Piero Gilento Umm as-Surab: Archaeology and Architecture in a Northern Jordanian Village. Data from the 2017 and 2018 Fieldwork Seasons	Ismaeel Melhem The Unique Funerary Objects in the Burial of Saham al-Kfarat. From the late Bronze Age and its Technical, Social and Economic Connotations IN ARABIC	Claudine Dauphin, Mohamed Ben Jeddou Reconstructing a late antique, anthropized, rural landscape: the dynamics of Byzantine wadi agriculture and viticulture at Umm ar-Rasas (Mefaa)
	12.10 12.30	Craig A. Harvey The Cylindrical Heating Pipes of the Roman Bath at 'Ayn Gharandal	Thibaud Fournet, François Renel On the steps of the Qasr al-Bint: New architectural study on the temple area (Petra)	Morag M. Kersel From the Mound to the Mantelpiece – The Movement of Early Bronze Age Pots from the Dead Sea Plain in Jordan	P. Nocuń, A. Węgrzynek, A. Ochal-Czarnowicz First results of the new archaeological project at Qasr ed-Deir (Tafila)	Margreet L. Steiner The Late Bronze Age Temple at Deir Alla - A Reassessment	Margherita Azzari, Chiara Marcotulli Surveying the villages: a first systematic approach to the archaeological contextualization and the cultural tourism developing of the rural settlements in the Municipality of Shawbak
	12.30 12.50	Thomas M. Weber-Karyotakis The Marble Statuary Deposit in the Eastern Baths of Jerash	François Renel Imported pottery in the Qasr al-Bint area: an image of the international trade in Petra (3 rd c. BC – 6 th c. AD)	M. Jamhawi, S. Khouri, O. Nofal Modern Technology for Documentation and Safe-guarding of Movable and Immovable Antiquities in the Department of Antiquities	Maher Tarboush Preliminary results of Tell Al-Husn excavations – North Jordan		
12.50-14.30	LUNCH BREAK						

TUESDAY, JANUARY 22ND

AFTERNOON SESSIONS

		University of Florence – Via Capponi, 9						University of Florence – Via San Gallo, 10					
		Room 5		Room 13		Room 14		Room 16		Aula Magna		Aula Parva	
		<i>History and Archaeology of Jordan</i>		<i>History and Archaeology of Jordan</i>		<i>Public Archaeology and Social-Economic Development 3</i>		<i>History and Archaeology of Jordan</i>		<i>History and Archaeology of Jordan</i>		<i>Science, Methods and Technology in Arch. 4</i>	
		CLASSICAL PERIODS 4		MIDDLE AGES AND OTTOMAN PERIOD 3		CONSERVATION AND SITE MANAGEMENT 1		BRONZE AND IRON AGE 4		PREHISTORY 2		STRUCTURAL ANALYSES AND NEW TECHNOLOGIES	
		CHAIR: Laura Buccino		CHAIR: Basema Hmameh		CHAIR: TBA		CHAIR: Susanne Kerner		CHAIR: Maysoon Nahar		CHAIR: Ziad Al Saad	
14.30-16.30	14.30 14.50	<p>Bilal Annan A Multifaceted Death: Funerary Portraiture in Roman Jordan</p>	<p>Zakariya Na'imat De-marginalizing the margins: the essence and functions of the Umayyad Qusūr reconsidered</p>	<p>Farah Abu Naser A Comprehensive Conservation Plan and 3D Reconstruction at Umm Qais, Jordan</p>	<p>P. M. Michèle Daviau Figurines and Statues from Khirbat al-Mudayna Thamad</p>	<p>T. Richter, A. Arranz-Otaegui, M. Jones, J. Roe, L. Yeomans Environmental Crisis and Societal Collapse: Was the Younger Dryas a significant factor in triggering the transition from the Palaeolithic to the Neolithic in the Levant?</p>	<p>Diala Atiyat, Ali Abu Ghanimeh The role of Smart tourism tools in heritage city context</p>						
	14.50 15.10	<p>Jolanta Młynarczyk, Mariusz Burdajewicz On the north-eastern border of ancient Capitolas. Archaeological research by the University of Warsaw in Beit Ras 2014-2016</p>	<p>G. De Palma, M. José Mano, G. Sobrà The restoration works in Qusayr 'Amra: an opportunity for an in-depth knowledge on the Umayyad mural paintings</p>	<p>Győző Vörös The Archaeological Site Management, Preservation and Conservation of Machaerus/Mukawir, Overlooking the Dead Sea in Jordan</p>	<p>Mohammad H. Jaradat The Techniques of Mud Bricks Manufacturing & Its construction Deir Alla / Jordan Valley</p>	<p>Phillip Edwards The origins of a Natufian 'base-camp': new evidence from Wadi Hammeh 27</p>	<p>R. Gabrielli, A. Albiero, E. S. Malinverni, R. Pierdicca, D. Scortecci Development of a management system for the analysis and dissemination of Santo Stefano Church's mosaics in Umm ar Rasas (Jordan)</p>						
	15.10 15.30	<p>Mohammad Mubarak Roman Mausoleums of Khrebit es Souq – Northern Mausoleum (Qasir El Redini) and Eastern Mausoleum</p>	<p>Ahmad Lash Restoration of Al-Qastal Mosque</p>	<p>Duha Al Hwayan Tourism in Jordan Reality and State in The Light of Arab Spring Case Study: Jerash and Petra IN ARABIC</p>	<p>Katharina Schmidt Was there Glass Production or Glass Manufacturing at Tall Zirā'a? An Evaluation of the Archaeological and Archaeometrical Material</p>	<p>Adam M. Valka Technological Developments and Continuity in the Late Epipalaeolithic Jordan Valley: The Lithic Assemblages from the Lower Deposits of Wadi Hammeh 27</p>	<p>G. Cesaro, G. Delmonaco, M. Jamhawi, S. Farajat, T. Salhi, H. Al Taher, H. Lawamah, K. Amryyin, H. Hjazeen Slope consolidation works in the 'Siq' of Petra: a pioneering approach</p>						

	<p>15.30 15.50</p>	<p>Khaled Al Hawawrah, Basem Mahamid The Roman Tomb (Mausoleum) of Dhiban IN ARABIC</p>	<p>Raffaella Pappalardo Life after the earthquake: an early Abbasid domestic assemblage from Jerash</p>	<p>M. El Khalili, M. Jamhawi, N. Al Adarbeh, A. Al Bawab The Amman Nymphaeum Archaeological Park: Conservation and Rehabilitation Project</p>	<p>Stefanie P. Elkins The Khirbat 'Ataruz Cult Stand</p>	<p>M.-L. Chambrade, S. L. Smith Investigating the Prehistoric Landscape of the "Black Desert": Results of the "Western Harra Survey"</p>	<p>R. Gabrielli, G. Caruso, G. Delmonaco, C. Intrigila Seismic vulnerability investigations on the Stylite Tower at Umm ar-Rasas</p>
	<p>15.50 16.10</p>	<p>Adeeb Abushmais Sundial discovered in Amman Citadel 2009</p>		<p>Ahmad Yousef The role of the Directorate of Internal Monitoring in Preserving the Cultural Heritage IN ARABIC</p>	<p>Omar Al Ghul The Assyrian Contacts with the Jordan Valley during Iron Age II</p>	<p>Gary Rollefson Omnem movere lapidem ("To Move Every Stone", Latin proverb)</p>	<p>G. Delmonaco, M. Jamhawi, A. Shhaltough Karak Castle instability: from damage analysis to consolidation works</p>
	<p>16.10 16.30</p>	<p>Thomas M. Weber-Karyotakis Mobility within the Limits of the Roman Empire: Arabs in Roman Germany and Germans in Roman Arabia</p>			<p>Hani Hayajneh Nomadic Mobility during the late 2nd Millennium BC and Early 1st Millennium AD among Arabian Safaitic Tribes in the Jordanian Badiya and Beyond: An Epigraphical and Philological Approach</p>		<p>A. Polcaro, M. D'Andrea, R. Gabrielli, M. Cozzolino, G. Batocchioni, L. Romagnoli, V. Gaspari, B. Lucherini, F. Sciorilli, D. Clark, S. Richard The Madaba Regional Archaeological Museum Project: a multidisciplinary approach to preserving the archaeological park while envisioning a new museum</p>

WEDNESDAY, JANUARY 23RD

MORNING SESSIONS (A)

		MORNING SESSIONS (A)					
		University of Florence – Via Capponi, 9			University of Florence – Via San Gallo, 10		
		Room 5	Room 13	Room 14	Room 16	Aula Magna	Aula Parva
		<i>History and Archaeology of Jordan</i> PREHISTORY 3 <i>CHAIR: Gary Rollefson</i>	<i>History and Archaeology of Jordan</i> MIDDLE AGES AND OTTOMAN PERIOD 4 <i>CHAIR: TBA</i>	<i>Public Archaeology and Social-Economic Development 4</i> CONSERVATION AND SITE MANAGEMENT 2 <i>CHAIR: Hanadi al-TaHER</i>	<i>History and Archaeology of Jordan</i> BRONZE AND IRON AGE 5 <i>CHAIR: Omar Al-Ghul</i>	<i>Jordan in Global Histories</i> THE LAND OF PEACE 1 <i>CHAIR: Robert Schick</i>	<i>Science, Methods and Technology in Arch. 5</i> 3D DOCUMENTATION AND VIRTUAL REALITY APPLICATIONS <i>CHAIR: Paola Zamperlin</i>
9.00-11.00	9.00 9.20	<p>J. Schoenenberg, J. Richter, F. Lehmkuhl, M. Al Nahar 10 years of research into the Palaeolithic Archaeology of the Wadi Sabra / Southern Jordan</p>	<p>M. Nuccioti, C. Marcotulli, C. Luschi The 12th century castle of Al-Habis in Petra: a Light Archaeology of "longue durée"</p>	<p>T. Al Salhi, M. Jamhawi, G. Cesaro, A. Orbasli, H. TaHER, I. Farajat, S. Farajat, H. HJazeen Management planning as a participatory and consultative process: the example of the Petra Integrated Management Plan</p>	<p>Y. Elayan, R. Hunziker-Rodewald The Citadel of Rabbat-Ammon in the Early Iron Age: A Center of Influence</p>	<p>Randall W. Younker The flow of peoples, artifacts and ideas through Jalul</p>	<p>Ziad Al Saad The use of 3D technologies in cultural heritage interpretation and presentation: a case study from Jordan</p>
	9.20 9.40	<p>Yorke Rowan Distribution of Petroglyphs at Wisad Pools, Black Desert, Jordan</p>	<p>Carmelo Pappalardo, Anna Lena "The Remains of Nothing"? Pre-Crusader materials from the excavation of the "Medieval Petra – Shawbak Castle Project" of the University of Florence: residuality and other issues</p>	<p>Tariq Al Mhairat Assessment of Interpretation & Presentation Methods in Archaeological sites in Madaba</p>	<p>Roumel Gharib Northern Borders of Ammonite Kingdom (Zarqa) through Excavations</p>	<p>Hashem Khries Evidence of administration linked to the Persian domination in the Levant in the light of architectural discoveries</p>	<p>R. Gabrielli, A. Angelini, R. Franchi, E. Fidenzi The Palace Tomb. A methodological approach for the survey of one of the most important monument of Petra Archaeological Park</p>
	9.40 10.00	<p>S. Smith, Z. Collier, B. Finlayson What does it all mean? Taphonomy, space and chipped stone at PPNA WF16, southern Jordan</p>	<p>Micaela Sinibaldi Settlement in Crusader Transjordan (1100–1189): a Historical and Archaeological Study</p>	<p>Fadi Bala'awi Conservation work based on rapid condition assessment: Is it realistic?</p>	<p>Paul Z. Gregor Khirbet Safra: A military installation or regular settlement</p>	<p>Oystein S. LaBianca Jordan in Global Histories: the view from Tall Hisban</p>	<p>Björn Anderson Immersive technology, Cultural Heritage and Public Humanities and 'Virtual Petra'</p>

	10.00 10.20	Karin Bartl Mushash 163: A settlement of the late PPNA/ early PPNB in the Northwestern Badia	Elisabeth Holmqvist-Sipilä Ceramic evidence for movement and economies in southern Jordan and the Negev during the early Islamic period	Husam Hjazeen Local Community Development in Heritage at Amman Citadel (Jabal al-Qal'a)	Lorenzo Nigro, Roumel Gharib The Iron Age IIB-C Ammonite strongholds of Jamaan and Rujm al-Jamus, north-central Jordan	Konstantinos D. Politis The movement of peoples, their material culture and ideas in the Gawar al-Safi during Hellenistic, Roman, Byzantine and the Islamic periods	K. Kopij, J. Bodzek, Ł. Miszk, M. Bernaś, H. Dec, K. Sawicka, A. Słodowska, K. Widuch ArTu:DTu – Laser scanning and close range photogrammetry in Dajanyia and Tuwaneh, South Jordan
	10.20 10.40	J. José Ibáñez, J. Muñiz, E. Iriarte, L. Teira, J. Santana, F. Borrell, M. Monik, L. Gourichon, A. Arranz-Otaegui, M. Portillo Kharaysin (Zarqa): A PPNA and PPNB megasite by the Zarqa River	E. Vigouroux, F. Imbert, R. Elter The Ayyubid complex of Khirbat al-Dusaq: nature and raison d'être	Muhammad Al-Absi Survey of most common deterioration types and factors of archaeological columns in Jordan	Aaron Schade, Chango-Ho Ji Khirbat Ataruz in the Late Iron IIB and Iron IIC Periods: Synthesizing 15-Years of Archaeological Excavation Findings	Walter Ward Urbanism in the late antique Decapolis: Jerash and Scythopolis compared	P. Drap, O. Papini, M. Ben Ellefi, D. Merad, M. Motasem Nawaf, J.-P. Royer, M. Saccone, E. Pruno, M. Nuccioti, G. Vannini From ontology to virtual reality: photogrammetry survey for medieval archaeology
	10.40 11.00	Hans Georg K. Gebel The LPPNB Mega-Site Phenomenon: Promoters of Rise and Collapse Revisited	Lorenzo Fragai The Ayyubid Qā'at al-Nāṣiriin Kerak Castle: archaeological analysis and historical contextualization of a Middle Islamic palace (13 th century)	Yousef Abu Ali Development and Promotion of the Tourist Site of Umm El-Jimal			
10.40-11.10	COFFEE BREAK						

WEDNESDAY, JANUARY 23RD

MORNING SESSIONS (B)

University of Florence – Via Capponi, 9

University of Florence – Via San Gallo, 10

		Room 5	Room 13	Room 14	Room 16	Aula Magna	Aula Parva
		<i>History and Archaeology of Jordan</i> PREHISTORY 4	<i>History and Archaeology of Jordan</i> MIDDLE AGES AND OTTOMAN PERIOD 5	<i>Public Archaeology and Social-Economic Development 5</i> LOCAL COMMUNITY ENGAGEMENT	<i>History and Archaeology of Jordan</i> BRONZE AND IRON AGE 6	<i>Science, Methods and Technology in Arch. 6</i> BIG DATA AND INFORMATION TECHNOLOGY	<i>Jordan in Global Histories</i> THE LAND OF PEACE 2
		<i>CHAIR: Zeidan Kafafi</i>	<i>CHAIR: É. Vigouroux</i>	<i>CHAIR: Jihad Haron</i>	<i>CHAIR: Emanuela Alberti</i>	<i>CHAIR: Aktham Oweidi</i>	<i>CHAIR: Giovanni Curatola</i>
11.10-12.50	11.10 11.30	Ingolf Thuesen, Moritz Kinzel Shkārat Msaied as Cultural heritage	I. W. N. Jones, M. Najjar, T. E. Levy Islamic Faynan: The Settlement History of a Mining Region in Southern Jordan between the 7 th and 19 th centuries AD	D. R. Clark, S. Richard, A. Polcaro, M. D'Andrea, B. Mahamid The Madaba Regional Archaeological Museum Project (MRAMP): Three Years of Community Archaeology	A. Lahelma, M. Lorenzon, R. Bonnie, E. Holmqvist-Sipilä, P. Kouki, P. Miettunen, S. Thomas Ancient Near Eastern Empires: Exploring the long-term regional impact of Empires upon fringe zone communities in the first millennium BCE	Omar Nofal Improvements the Information Technology in DOA & ICHAJ	Abeer Allahham A Power-based reading of the Muslim built environment in the Middle East. An Ibn Khaldunian Perspective
	11.30 11.50	J. Moser, D. Rokitta-Krumnow The lithic finds of the Gadara/Umm Qays hinterland survey	Reem Al Shqour The Ayyubid and Mamluk Khans at Aqaba	Andrew M. Smith Cultural Heritage and Economic Development in Wadi Araba: Trials, Tribulations, and Opportunities	Constance E. Gane Jalul on the Crossroads of the Great Empires	Hala Syoof Experience Exchange in the Archive and Documentation Methods IN ARABIC	Beatrice St. Laurent, Isam Awwad Who built the Dome of the Rock: a re-evaluation?
	11.50 12.10	W. Abu Azizeh, M. Tarawneh, R. Crassard, J. Antonio Sanchez-Priego Neolithic mass hunting game traps ("Desert kites") and related hunters' campsites in the Southeastern Badia of Jordan	Elisa Pruno Sherds of Luxury: Imported Pottery in Southern Transjordan	Maria Elena Ronza Is community engagement in archaeology building the social capital in Jordan? Reasoning on a decade of community oriented projects in Jordan	Rocío Da Riva The Rock-Inscription of King Nabonidus in Sela: a Preliminary Study	J. Häser, B. Beitz, S. Khouri DOJAM – A new database for Jordanian museums	David H. Vila Notes on a Possible Early Mihrab in the Area E church at Abila

	12.10 12.30	Maysoon Al Nahar M/LPPNB Human Skulls and Yarmoukian Findings at Tell Abu Suwwan: Results of the 2016 Excavation Season	Elena Casalini An Islamic Glass Disk Weight fragment from Shawbak Castle	Oroub El Abed, Aydah Abu Tayeh, Zeena Sultan, Rudinah Momani The Missed Opportunity: Neolithic Past and Cultural Heritage in South Jordan		Samar Hababbeh MEGA in action: Assessing its contribution to the visibility of the Jordanian archaeological and historical heritage and proposal to remedy its shortcomings	B. de Vries, M. Hazza, D. Al Farraj, M. Al Haddad, J. Suleiman A Landscape of Peace at Umm el-Jimal: using spaces of the mind and spaces on the ground to link the Islamic Heritage of the Modern Community and the 'pre-Islamic' heritage of archaeological site
	12.30 12.50	Aven Mazen Hmoud Al Qatameen Neolithic Removed Skull: An Interpretative Perspective	Musallam Al Rawahneh An Archaeological and Chemical Study of Glazed and Painted Pottery Sherds from Al Rabbah, Jordan	R. Bewley, B. Rouhani, A. Vafadari Training in Endangered Archaeology methodology for the Jordanian and Palestinian Heritage Stakeholders		E. Hatziminaoglou, D. R. Clark Archaeology meets Astronomy: in search of our origins	M. Ben Jeddou, C. Dauphin From Khan to Encampment. Exploring the Pilgrim Soppers in Jordan on the Medieval and Ottoman Darb al-Hajj to Mecca
	12.50 13.10					A. Vernet, P.-M. Blanc, G. Davtian The MHJ project in Jordan: a multi-period recording system for local heritage	
12.50-14.30		LUNCH BREAK					

WEDNESDAY, JANUARY 23RD

AFTERNOON SESSIONS

University of Florence – Via Capponi, 9

University of Florence – Via San Gallo, 10

Room 5

Room 13

Room 14

Room 16

Aula Magna

Aula Parva

History and Archaeology of Jordan
PREHISTORY 5

Science, Methods and Technology in Arch. 7
CHEMICAL ANALYSES

Public Archaeology and Social-Economic Development 6
LOCAL COMMUNITY ENGAGEMENT MUSEUM AND COLLECTION

History and Archaeology of Jordan
PETRA AND NABATEANS 4

History and Archaeology of Jordan
MIDDLE AGES AND OTTOMAN PERIOD 6

Science, Methods and Technology in Arch. 8
ARTIFACT STUDIES

CHAIR: TBA

CHAIR: TBA

CHAIR: Chiara Bonacchi

CHAIR: L. Tholbecq

CHAIR: TBA

CHAIR: Konstantinos D. Politis

14.30-16.30

14.30
14.50

Kevin Gibbs
Excavations at a Yarmoukian site in Wadi Quseiba, northern Jordan

M. Naes, B. Kanngießner, B. Kolb
Painting with Gold in Nabatean Petra: microanalysis, micromorphology and some conservation aspects

Suzie Thomas, Rick Bonnie
Collaborating at home and abroad: Using museum exhibitions to engage with local and refuge communities

Leigh-Ann Bedal
It's in the Pipeline: the chronology of ceramic pipelines in the Petra Garden and Pool Complex

Piotr Makowski
A step back into the past. The rise of the Islamic plain handmade ware in southern Jordan: the case study of Khirbat edh-Dharrah

Amjad Awad
Using Optical Emission Spectroscopy (OAS) and Atomic Absorption Spectroscopy (AAS) in the analysis of archaeological artifacts

14.50
15.10

Elizabeth Gibbon
Late Neolithic Ceramic and Obsidian Networks in the Levant

R. Franchi, R. Gabrielli, E. Lupo, A. Angelini
Multidisciplinary approach to the historical and artistic heritage in the area of Petra

Shatha Mubaideen, Enas Qasem
Rehabilitation of Iraq Al Amir archaeological site (Qasr Al-Abd) and its Surrounding for Sustainable Cultural Tourism Purposes

S. Thomas Parker
Searching for Petra's Non-Elite Population on the North Ridge

Nicolò Pini
"The Times They Are a-Changin'". Built environment as resilience marker of social identities

Fatma Marii
Recycling Glass in Byzantine Period in the Levant

15.10
15.30

Zeidan Kafafi
Late Neolithic Settlement Patterns in Wadi az-Zarqa (Sixth and Fifth Millennia BC)

Sahar Al Khasawneh, Nizar abu Jaber, Catreena Hamarneh, Andrew Murray
Testing new luminescence dating technique for the wide spread terraces structures in Petra region

Bill Finlayson
A Wadi Grows Up

Cynthia Finlayson
Rethinking Monument 468 (The Berg-Berg Monument) on the Ad-Deir Plateau Petra, Jordan

Bethany J. Walker
Resilience in the Face of Regional Crises: Identifying local know-how and decision-making at Mamluk-era Hisbān

Julia Burdajewicz
Technical know-how in crisis? Technique of execution of wall paintings in Byzantine period (AD 324-640)

	15.30 15.50	P. Kołodziejczyk, M. Nowak, M. Wasilewski, J. Karmowski, M. Czarnowicz, J. Zakrzeńska, A. Brzeska-Zastawna, B. Witkowska Southern Jordan in the Neolithic and Early Bronze Age. New data from Polish archaeological project conducted in years 2014-2018	Mohammad Al Shebli The conservation and restoration of Al-Qatraneh Fortress project	Bushra Nabas Adaptive Reuse of Uncomfortable Heritage – How to benefit from the European Experience in Jordan	Will M. Kennedy Characterizing Terra Petraea – The Petra Hinterland in Nabataean-Roman Time	John B. Winterburn The Late Ottoman Period Defended Landscapes of Southern Jordan	Danielle A. Macdonald, Lisa A. Maher Artistic traditions in the Early and Middle Epipalaeolithic: Kharaneh IV in perspective
	15.50 16.10	Pascal Flohr Protecting Prehistory: Finding Late Neolithic sites in Jordan		Jamelah Shtawey The Story of the Museum at the lowest place on Earth/ Ghor as-Safi IN ARABIC		Robert Schick Jordan at the Turn of the 18 th -19 th Centuries	
	16.10 16.30					Stephan G. Schmid, Zbigniew T. Fiema Paul Schröder's visit to Petra and Transjordan in 1905	

WEDNESDAY, JANUARY 23RD

Istituto degli Innocenti

Piazza della Santissima Annunziata, 12

Salone Brunelleschi, Sala Poccetti

20.30-23.00

ICHAJ 14 GALA DINNER offered by the Department of Antiquities of Jordan

THURSDAY, JANUARY 24TH

Cinema-Teatro della Compagnia

Via Camillo Cavour, 50/R

SPECIAL EVENT

***Culture in crisis affected countries:
The experience of Italy, Jordan and UNESCO in preserving Cultural Heritage***

Welcome Addresses

Eugenio GIANI – President of the Regional Council of Tuscany

Guido VANNINI – Head of the ICHAJ14 Scientific Committee (University of Florence)

Mirella LODA - Deputy of Un. of Florence for international cooperation

Interview by Giulia PRUNETI (Archeologia Viva) and Remarks by

H.R.H. Prince EL-HASSAN BIN TALAL

9.00

Ettore JANULARDO – SSA Università di Firenze (*chairman*)

Fabio CASSESE – Ambassador of Italy to Jordan

Michele MORANA – Italian Agency for Development Cooperation (AICS), Director of Amman Office (TBC)

Anna PAOLINI – UNESCO Representative in the Arab States of the Gulf and Yemen

Interview by Ettore Janulardo: testimonies by

Daniele MORANDI BONACOSI

The Land of Nineveh Archaeological Project (IRAQ), University of Udine

Maria Teresa GRASSI

Palmyra Pal.M.A.I.S. Mission (SYRIA), University of Milan

Serenella ENSOLI

Cirene Archaeological Mission (LYBIA), University of Campania 'Luigi Vanvitelli'

Moawiyah IBRAHIM

Istiqlal University, Jericho (JORDAN)

THURSDAY, JANUARY 24TH

University of Florence

Via San Gallo, 10

13.00-14.00

LUNCH BREAK

14.00-15.40

WORKSHOPS

Aula Magna

Sustainable Cultural Heritage Through Engagement of Local Communities Project (SCHEP)

CHAIRS: Nizar Al Adarbeh, Jehad Haron, and Jack Green

Nizar Al Adarbeh

The SCHEP Community Engagement Model

Jehad Haron

The Site Stewardship Model

Bert de Vries

Signage Manufacture at Umm el-Jimal: Creating a Microbusiness for Vandalism-Resistant Installations

Kaelin Groom (key presenter), **Casey D. Allen**, **George Bevan**
The Rock-Art Rangers Program: Enhancing Tourism and Improving Employment Outcomes in Wadi Rum

Douglas R. Clark, **Marta D'Andrea**

Community Engagement in Downtown Madaba: The Madaba Regional Archaeological Museum Project (MRAMP)

Jack Green, **Franco Sciorilli**

Emergency Conservation and Community Training at the Temple of the Winged Lions, Petra

Aula Parva

Endangered Archaeology in the Middle East and North Africa (EAMENA). Culture in Crisis - the role of digital documentation in heritage protection and management

CHAIR: Robert Bewley

Robert Bewley

Culture in Crisis and EAMENA – Current state of archaeology in Jordan with a brief introduction to the workshop and EAMENA project

Bijan Rouhani

Capacity building in digital documentation to strengthen heritage protection – The role of EAMENA

Morag Kersel

Looting and illicit trade in antiquities

PANEL DISCUSSION

list of participants:

Ziad Al Saad

Yazid Elayan

Samar Hababbeh

Jehad Haron

Jutta Häser

Monther Jamhawi

Morag Kersel

Carol Palmer

15.40-16.00

COFFEE BREAK

16.00-17.40

WORKSHOPS

Aula Magna

The new discovery of the Bayt Ras Tomb

POSTER SESSION

EST 48 49 - antecedent Aula Magna

Sreen Al Shoubaki

New Mathematical and Artistic Approach

	<i>CHAIR: Jehad Haron</i>	to the understanding of the facade of al- Mushatta Palace
	Director General of the Department of Antiquities Bayt Ras Tomb importance	Ann Andersson The Ritual Landscape of Murayghat: The EBA and MBA Ceramic Assemblages from the 2014-2018 Excavations
	Amjad Bataineh Bayt Ras tomb	Ezio Burri, Angelo Ferrari Ancient water supply systems in the Ma'An area (south Jordan)
	Nizar Al Adarbeh Consortium Building as a Model of Cooperation	Ezio Burri, Andrea Del Bon, Pasquale Di Paolo, Angelo Ferrari, Massimo Mancini, Marco Meneghini, Pietro Ragni Rock dwellings in the Showbak castle area
	Jehad Haron, Ahmad Lash Bayt Ras in Arabic resources	Gaia Cecconi Bone tools from the EB IIIB "Palace of the copper axes" at Khirbet al-Batrawy, Jordan
	Soizik Bechetoille Bayt Ras Tomb 2016: First chronological assessment of the various uses of the Bayt Ras Tomb	Meredith S. Chesson, Morag M. Kersel Excavating Extraordinary Archives: Transforming Archaeological Practice in Jordan through the Lens of R. Thomas Schaub's Correspondence for the Expedition to the Dead Sea Plains
	Julian Aliquot, Pierre-Louis Gatier, Jean-Baptiste Yon The "Founder's Tomb": The New Painted Hypogaeum of Bayt Ras and the Civic Foundation of Capitolias	Samar Habahbeh, Omar Nofal From JADIS to MEGA-Jordan
	Giuseppe Delmonaco, Luca Maria Puzzilli, Francesco Traversa Geophysical and geotechnical investigation for sustainable conservation of the Roman painted tomb in Bayt Ras	Spyros Koulouris The Creswell online network: documenting Islamic architecture through early photography
	Marie José Mano, Giorgio Sobrà Conservation activity in Beit Ras	Bassem Mahamid, Abdullah al Bawareed The Rehabilitation Project of Madaba Cathedral
	Claude Vibert-Guigue The Bayt Ras painted tomb (2016) through the ongoing archaeological documentation	Marzia Marcantonini Affect of man on the environment: a case of study in the Al-Korah District, Jordan, from the beginning of the Early Bronze Age to the Byzantine Period.
		Arwa Mas'deh Balu' Between Site and People
		Maria Elena Ronza, Eman Abdassalam Employment through Heritage Project - EHP
		Valentina Virgili Christian communities in Jordan during the first Arab domination through epigraphic sources

14.00-16.00	MINI TOURS
FRIDAY, JANUARY 25TH	
MORNING SESSIONS (A)	

		University of Florence – Via Capponi, 9		
		Room 5	Room 13	Room 14
		<i>History and Archaeology of Jordan</i> PREHISTORY 6	<i>Science, Methods and Technology in Arch. 9</i> ETHNO-ARCHAEOLOGICAL METHODOLOGIES	<i>Public Archaeology and Social-Economic Development 7</i> MUSEUM AND COLLECTION
		<i>CHAIR: Piotr Kotodziejczyk</i>	<i>CHAIR: Giorgio Sobrà</i>	<i>CHAIR: Maria Elena Ronza</i>
9.30-10.50	9.30 9.50	Takuro Adachi, Sumio Fujii Chalcolithic Ritual Potteries from Harrat Juhayra 1 and 2, Southern Jordan	E. Jenkins, C. Palmer, S. Allcock, S. Elliot, D. Vos Understanding construction and activity areas at Neolithic sites through combined ethnographic, phytolith and geochemical investigation	Qais Tweissi The new Raqmu-Petra Museum, a step ahead for a modern collection management at Petra
	9.50 10.10	Sumio Fuji Harrat Juhayra 2: a Chalcolithic settlement and cemetery in the Jafr Basin, southern Jordan	Maria-Louise Sidoroff An ethnoarchaeological study of Zizia Pottery Factory in Jizza, Jordan	Lina Bakkar The role of Jordanian museums in activating national awareness
	10.10 10.30	Moawiyah M. Ibrahim Chalcolithic Sahab between Highland and Desert	Elisa Pruno, Raffaele Ranieri Material culture and residuality: methodological perspectives. The medieval contexts of Shawbak	Yosha Alamri Excavated, documented, and stored/ exhibited Is it Safe now?
	10.30 10.50	Alexander Ahrens Connecting the Jordan Valley with the Transjordanian Highlands: Results of the Wadi Shu'aib Archaeological Survey Project, 2016–2018	Abdalla J. Nabulsi Unusual burials from Khirbet es-Samrā site	
10.50-11.10		COFFEE BREAK		
Aula Magna del Rettorato Piazza San Marco, 4				
12.00-13.00		PLENARY CLOSING SESSION		

Luigi DEI – Rector of the University of Florence

Yazid Hashem Mohammed ELAYAN - HE Director General of the Department of Antiquities

Michele NUCCIOTTI - ICHAJ14 Scientific Committee (University of Florence)

Giovanni BETTARINI - Councilor for International Relations, Municipality of Florence

Emanuela Claudia DEL RE – Deputy Minister of Foreign Affairs

University of Florence

Via Capponi, 9

13.00-14.00

FAREWELL APERITIVE