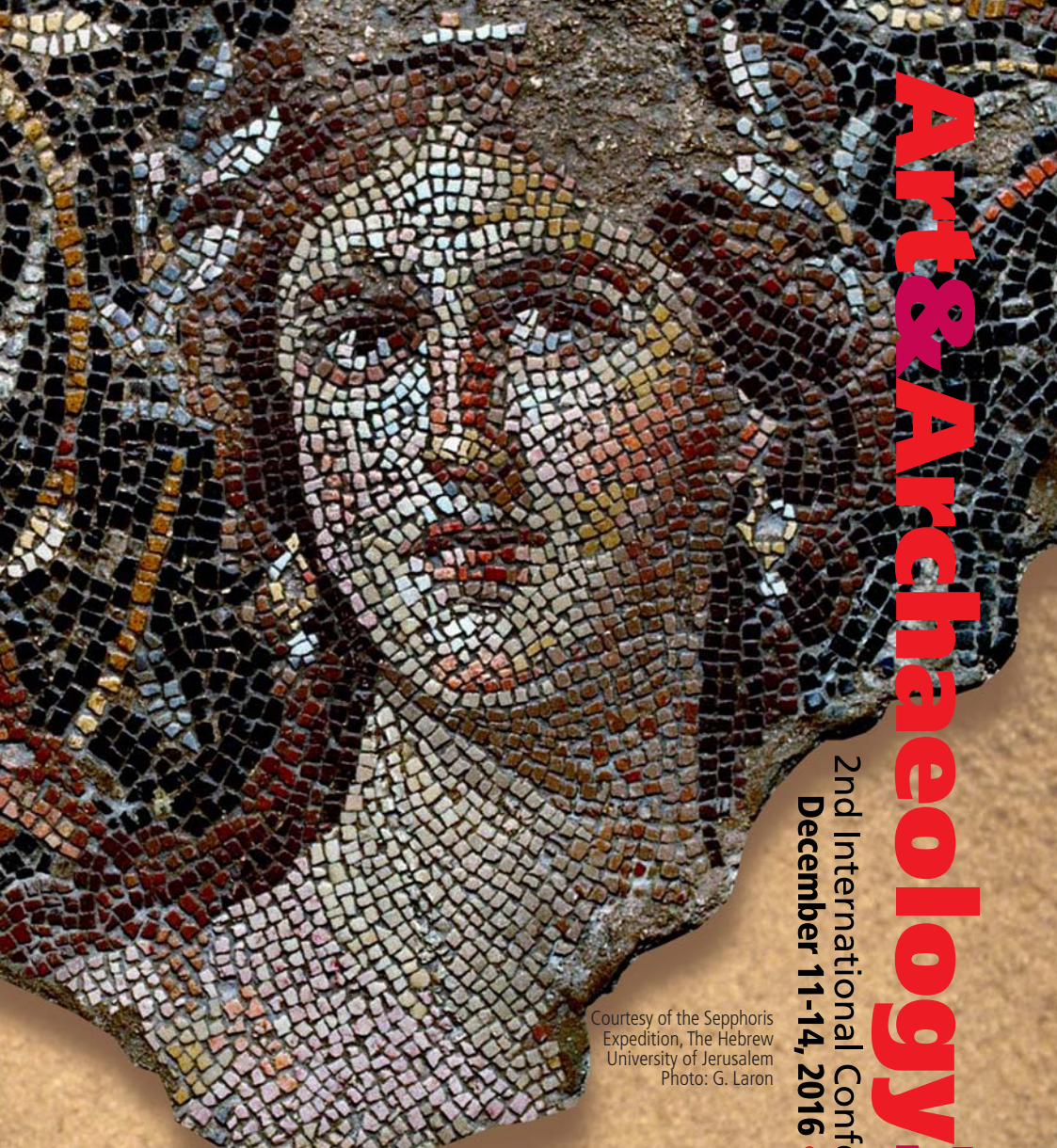


# Art & Archaeology 2016

2nd International Conference  
December 11-14, 2016 • Jerusalem, Israel



Courtesy of the Sepphoris Expedition, The Hebrew University of Jerusalem  
Photo: G. Laron



United Nations  
Educational, Scientific and  
Cultural Organization



State of Israel  
Ministry of Education

מדינת ישראל  
משרד החינוך

دولة إسرائيل  
وزارة التربية والتعليم

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**Israel National Commission for UNESCO**



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- Israel Society for the Conservation and Preservation of Cultural Property
- The National Library of Israel
- U. Nahon Museum of Italian Jewish Art
- Holon Institute of Technology
- Israel Ministry of Tourism

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**Dear Colleague,**

We are happy to invite you to actively participate in **Art&Archaeology2016**, the International Conference to be held in Jerusalem, December 2016. It follows our successful Jerusalem Conference ART2008.

The main objective of **Art&Archaeology2016** is to advance the frontiers of scientific knowledge connected with human cultural heritage. Heritage is our legacy from the past. It is our source for understanding the human mind, its capabilities and potential. Knowledge of the past influences our present day life and what we pass on to future generations.

**Art&Archaeology2016** aims to bring together a range of scholars, specialists and experts in the fields of archaeology, art, history, preservation, restoration and reconstruction of museum or archaeological objects, cultural heritage, researchers of ancient structures and measurement scientists and technologists. Cultural heritage is characterized by time-spatial scales and a wide range of technologies are applied to understand and preserve our archaeological, historic and artistic patrimony.

The **Art&Archaeology2016** conference seeks to encourage communication between these disciplines, to provide a survey of present work in the field, and to stimulate discussions.

We believe that synergy between the experts will yield further developments, adaption and adoption of measurement methods to deal with challenges of culture heritage research. The knowledge to be gained will provide understanding in more depth and dimensions of the human genius.

We look forward to your participation in **Art&Archaeology2016**, enlightening us with your paper or poster presentation and enjoying the entertaining social and cultural events in Jerusalem and in Israel.

Jerusalem, the holy site of three great monotheistic religions, provides a unique atmosphere of a modern vibrant society living alongside the archaeology and historical sites since the time of King David. It guarantees to provide you with an unforgettable experience.

With best regards,  
**Prof. Amos Notea**  
Conference Chair

## Major Themes

### **Ethical Perspectives; Values and Principles at Stake**

- Implementation of integrated strategies satisfying conservation code of practice and research code of ethics
- Public display, conservation treatment and scientific research, is it safe? Impact of handling on integrity of cultural heritage
- Measurements and calculations; dealing with margins of error and contamination problems

### **Non Invasive Spectroscopic Research and Analysis**

- Re-constructing the evidence: studies of historical objects
- Non-invasive preservation monitoring, new developments and applications
- Spectroscopic techniques as a conservation treatment tool in art and archaeology

### **Microarchaeology**

- Re-constructing the evidence: studies in archaeology
- On-site sampling and analysis
- Archaeometry and microanalyses

### **Authentication vs. Detection of Forgery**

- Scientific examination of evidence of manufacture, use and provenance
- Complementary and comparative micro-analytical techniques refining interpretation of the past
- Museology; identifying and determining historical values proving authenticity

### **Digital Imaging and Computer Science**

- Digital applications in conservation of art and archaeology
- Reconstructing the evidence in art and archaeology using advanced digital techniques
- Contactless scanning of objects; morphometric measurements

*In addition, papers on biblical-related archaeological findings and archaeology in the Holy Land are welcome.*

The principles of reversibility, minimal intervention and scientific objectivity are fundamental to the conservation profession. They are difficult to contend with both on a philosophical and on a practical level. Not clearly understood, they are still adopted with pride and form the disciplining guidelines of the modern conservators' approach to treatment. How can the adopted principles of minimal destructivity in conservation practice be maintained by the findings of scientific non-destructive inspection, testing and evaluation of objects of historical relevance? How can the scientific method which seeks to break down the complexities of the world into simple truths, be used to fathom the unpredictable complex behavior of specific objects?

This Art&Archaeology Conference hopes to demonstrate the type of productive partnerships that can be achieved between specialists working in NDT analysis and the application of NDT technology to solving practical museum and archeological conservation problems.

Conservators and Conservation Scientists working in team efforts are invited to submit papers.

## **Abstract Submission:**

Papers can deal with both analytical and methodological approaches to gaining knowledge, implementation, and case studies.

All submissions must be written in English, the official language of the Conference.

Abstracts of approximately 300 words should be sent by email to: [confer@isas.co.il](mailto:confer@isas.co.il)

The abstracts should include authors' names, addresses and email. No pictures, tables or references.

All abstracts will be acknowledged and authors will be notified of the reviewers' comments.

Only fully registered participants will have their abstracts published.

**Deadline for abstract submission (oral presentations):** September 26, 2016

**Late deadline (posters only):** October 14, 2016

**Gilberto Artioli**

University of Padova  
Italy

**Ancient mortars and binders: can the walls speak?**

The development of binder technology in the past will be briefly reviewed, with focus on the use of binders and mortars in structural architecture and their technological meaning. The traditional recipes of Roman mortars from literature sources will be compared with the results of the characterization of ancient materials from selected case studies, and open problems will be highlighted. The recent attempts to radiocarbon dating ancient mortars will also be presented. The aim is to show what the investigation of ancient materials can tell us not only on past technological developments and on conservation issues, but also on the future of modern cements.

**Vito Mocella**

National Council of Research Institute for Microelectronics  
and Microsystems (CNR-IMM) Naples Units  
Italy

**Synchrotron based techniques reveal writing and ink composition of Herculaneum papyri**

We discuss the first experimental demonstration of a non-destructive technique that reveals the text of a carbonized and thus extremely fragile Herculaneum papyrus. Buried by the famous eruption of Vesuvius in 79 AD, the Herculaneum papyri represent a unique treasure for humanity. Overcoming the difficulties of the other techniques we prove that x-ray phase contrast tomography technique can detect the text within scrolls, thanks to the coherence and high-energy properties of a synchrotron source<sup>1</sup>. This new imaging technique represents a turning point for the study of literature and ancient philosophy, disclosing texts that were believed to be completely lost. In order to improve the imaging technique we performed also an extensive experimental analysis of the ink composition, using a combination of synchrotron techniques at the ESRF, discovering the presence of metal in the ink of two Herculaneum papyrus fragments and proving that metals were used in ink several centuries earlier than previously believed<sup>2,3</sup>.

<sup>1</sup> V. Mocella et al., "Revealing letters in rolled Herculaneum papyri by X-ray phase-contrast imaging", Nature Communications 6, 5895 (2015).

<sup>2</sup> P. Tack et al., "Tracking ink composition on Herculaneum papyrus scrolls: quantification and speciation of lead by X-ray based techniques and Monte Carlo simulations", Scientific Reports 6, 20763 (2016).

<sup>3</sup> E. Brun et al., "Revealing metallic ink in Herculaneum papyri", Proc. Natl. Acad. Sci. USA, 113 (14) 3751-3754 (2016).

**Austin Nevin**

Politecnico di Milano  
Italy

**Advanced imaging for the study of paintings**

Recent advances in the analysis of paintings and pigments using a range of analytical imaging techniques based on reflectance and luminescence detection and mapping using X-ray fluorescence and Raman spectroscopies are exciting for conservation. The talk will focus both on the description of developments and applications of imaging-based methods applied with portable instrumentation which have been used in situ. Statistical methods for image analysis will be shown to highlight the potential to treat large datasets and extract useful information regarding pigment distribution on a painted surface. An instrument based on a time-gated CCD and pulsed laser excitation at 532 and 355 nm will be presented, and results will be presented related from the analysis of Renaissance sculptures in marble, wall paintings, Egyptian artifacts and the imaging of Futurist paintings. Examples of applications of Time resolved photoluminescence imaging will be shown both for pigments and for works of art. The analysis of pigments, which range from Egyptian Blue to Zinc Oxides and other semiconductors, reveals a range of different luminescence lifetimes and decay profiles. The interpretation of data from imaging analysis requires care and we have adopted an approach based on the use of other complementary analytical methods including Electron Paramagnetic Resonance (EPR), Scanning Electron Microscopy and X-ray Fluorescence. Advantages and disadvantages to the technique and further avenues for research and development will be presented.

**Ira Rabin**

BAM Federal Institute for Material Research and Testing;  
Centre for the Studies of Manuscript Cultures  
Germany

**Material analysis: authentication or forgery detection?**

The lecture will discuss the sensitive issue of authentication of the objects of cultural heritage of immense cultural and monetary value if certified to be genuine. It will be made clear that material analysis alone, especially its non-destructive variety conducted by specialists in a single technique, can not prove that the object is genuine. The best material analysis can do, after all appropriate tests have been conducted, is to announce that nothing has been found that contradicts the assumption of genuineness. Moreover, the results of the natural analysis can never be used as the only justification of the authentication in the cases of composite objects such as manuscripts or epigraphs. A certification always requires the expertise of the specialist in the field (be it a historian, paleographer, epigrapher, etc.), whose judgment can be at the most supported by appropriate material analysis.

The most effective approach for testing suspicious artifacts has been established by the forensic science. Here, not the authentication, but the determination of the forgery stands in the focus of the work. Investigation protocols developed within 150 years and constantly improved include a clear statement of the analysis purpose and the definition of plausibility criteria for the possible outcome. The younger sister of the forensics, archaeometry has to overcome additional obstacles such as the heterogeneity of historic material coupled with the scarcity of suitable reference material. Over the last two decades the popularity of archaeometric studies has increased enormously, with the industry-driven development of so-called non-destructive technologies (NDT) that do not require sampling. Further technological developments led to the appearance of NDT methods with extremely small interaction windows ( $\mu\text{m}$  range). Each of these methods has limitations that have to be carefully considered when planning the tests of a heterogeneous and often partially degraded historical material. This approach is inherently multi-instrumental, therefore archaeometric and forensic departments unite a number of specialists who work together defining the tasks and the methods involved for their successful completion.



**Mark Van Strydonck**

Royal Institute for Cultural Heritage  
Belgium

**From textile to stucco:  $^{14}\text{C}$  dating of art**

Established in 1948, the Royal Institute for Cultural Heritage is one of ten scientific institutions falling within the competence of the Belgian Federal Ministry of Scientific Policy. It was the first institute worldwide that groups laboratories, conservation-restoration workshops, photographic workshops, a photo library and a library in a single building. The building was designed in such a way as to join together very different work units and obtain an interdisciplinary approach to works of art. In 1963 a radiocarbon dating laboratory was installed in the institute.

Although most historians and art-historians consider the radiocarbon dating technique not to be very precise by their criteria, the method has gained a lot in importance since the introduction of the AMS technique. Radiocarbon is used increasingly in the field of textile research and old polychrome statues, but also objects made of ivory, parchment, paper and stucco are dated.

The method is used in cultural heritage studies, not only to obtain information about the age of the objects themselves but also to learn about the complex history of the objects and the cultures that made them. Besides the scientific interest radiocarbon is also used to detect forgeries or presumed forgeries.

# SCIENTIFIC PROGRAM

**Monday, December 12, 2016**

## **09:00-11:00 Opening Session**

Chair: Amos Notea, Technion - Israel Institute of Technology, Holon Institute of Technology

**Greetings**

**Advanced Imaging for the Study of Paintings**

*Austin Nevin, Italy*

**A Face from the Past: Multidisciplinary Forensic Reconstruction of an Ancient Egyptian Woman**

*Janet Davey, Jennifer Mann, Gavan Mitchell, Varsha Pilbrow, Ryan Jefferies, Australia*

**11:00-11:30 Coffee Break**

**11:30-13:30 Parallel Sessions**

## **Session I: Minerals, Pigments, Dyes**

Chair: Zvi Koren, Shenkar College of Engineering, Design and Art

**Non Invasive XRF Examination of Paintings' Primings from the Years 1838-1938 - Novel Method Supporting Dating and Authentication of Modern Paintings**

*Mirosław Wachowiak, Grzegorz Trykowski, Poland*

**Non-invasive Analysis of the Wall-Paintings from the Domus Dei Bucrani (60 B.C.) in Ostia**

*David Strivay, Elodie Herens, Thomas Morard, Catherine Defeyt, Belgium*

**Combined Use of Optical Coherence Tomography and MacroXRF Imaging for Non-invasive Evaluation of Past Alterations in the 17th C. Dutch Painting**

*Magdalena Iwanicka, Piotr Targowski, Łukasz Ćwikliński, Poland*

**A New Archaeometric Method for the Fast Non-destructive Identification of Molluscan Purple in Textile Dyeings**

*Zvi C. Koren, Israel*

**Analysis of Pink Biopigmentation. Case Study: The Refectory of Hurezi Monastery, Romania**

*Ioana Gomoiu, Roxana Cojoc, Simona Neagu, Madalin Enache, Dan Mohanu, Romania*

## Session II: Values and Ethics

Chair: Irit Amit-Cohen, Bar-Ilan University, ICOMOS Israel

**Authenticity vs. Accessibility. The Borders of Compromise in the Preservation of Auschwitz-Birkenau Site**

*Anna Łopuska, Poland*

**Conservator's Examination in Brick Barracks on the Premises of the Former Auschwitz-Birkenau Concentration Camp - Project Presentation**

*Dorota Białek-Kostecka, Anna Forczek-Sajdak, Poland*

**Conservation and Public Display of Cultural Heritage: Early Bronze Age Tel Yarmuth in the Contemporary Urban Landscape of Bet Shemesh**

*Gil Haklay, Omer Shalev, Amir Golani, Avi Mashiah, Israel*

**Changes in Social and Cultural Values and their Impact on Conservation of Cultural Heritage Assets**

*Irit Amit-Cohen, Israel*

**The Internet of Invisible (Ancient) Things**

*Yuval Shafri, Yael Alef, Israel*

**13:30-14:30 Lunch & Posters**

**14:30-16:30 Parallel Sessions**

## Session III: Organics, Stone, Glass

Chair: Sharon Tager, Hod Hasharon Conservation Studio

**Resin Analysis of the Yenikapı Byzantine-Era Shipwreck**

*Recep Karadag, Turkey*

**Four Hundred Meters below Sea Level; Micromorphological, Chemical & Physical Characterization of Waterlogged Archaeological Wood Finds from the Dead Sea Shore**

*Asaf Oron, Nili Liphshitz, Gideon Hadas, Raphael Linker, Israel, Benjamin Held, Robert Blanchette, USA*

**Old Aqueducts and Sewage Systems of Santafé de Bogotá and Historical Archeology of the City**

*Monika Therrien, David Cohen, Mauricio Hoyos, Colombia*

**The Monumental Ensemble "The Heroes' Path" in Targu Jiu by Constantin Brancusi - Multiannual Monitoring Program**

*Roxana Radvan, Laurentiu Angheluta, Alexandru Chelmus, Lucian Ratoiu, Romania*

**The Waldglas Project - Combining Instrumental Analyses for the Examination of Post-Excavation Corrosion on Archaeological Glass**

*Alexandra Jeberien, Olga Emgrund, Germany*

**Survey with 3D Laser Scanner as a Tool for Knowledge: Analysis of Case Studies**

*Antonello Pagliuca, Antonella Guida, Antonio Bixio, Italy*

## **Session IV: Iconography**

**The Real Thing? Polychromy Research Employed in Authenticity Studies of Etruscan Pinakes**

*Signe Skriver Hedegaard, Cecilie Brøns, Kaare Lund Rasmussen, Denmark*

**The Techniques and the Decorating of the Siberian Paleolithic Anthropomorphic Figurines**

*Pavel Volkov, Liudmila Lbova, Russia*

**Interpretations of Symbols in Rock Engravings and Stone Monuments**

*Uzi Avner, Israel*

**Gender, Representation, Status and Dress Code as Reflected on the Mosaics Pavement within the Historical-geographic Area of the Land of Israel towards the End of Late Antiquity**

*Aliza Steinberg, Israel*

**The Latest Results of the Archaeological Research of the Early Panticapaeum**

*Natalya Astashova, Vladimir Tolstikov, Olga Tugusheva, Olga Samar, Russia*

# Tuesday, December 13, 2016

## 09:00-11:00 Plenum

Chair: Hasia Rimon, Tel Aviv Museum of Art, The Israel Museum, Jerusalem

**Synchrotron Based Techniques Reveal Writing and Ink Composition of Herculaneum Papyri**

*Vito Mocella, Italy*

**Material Analysis: Authentication or Forgery Detection?**

*Ira Rabin, Germany*

## 11:00-11:30 Coffee Break

## 11:30-13:30 Parallel Sessions

### Session V: Authentication: Metals

Chair: Sarel Shalev, University of Haifa

**Keynote: Real or Fake? “Life” and “Death” of Unique Objects in Archaeology**  
*Sarel Shalev, Israel*

**Two Nails 2400 Years Apart: Metallurgical Comparison of Copper Nails of the Ma'agan Mikhael Ship and its Replica**

*Deborah Cvikel, Dana Ashkenazi, Alexandra Inberg, Igor Shteiman, Noam Iddan, Yaacov Kahanov, Israel*

**The Authenticity of a Lead Booklet/Codex from an Antiquity Dealer in Israel**

*Zvi Greenhut, Irina Segal, Gregory Leitus, Adi Eliyahu-Behar, Yuval Goren, Haggai Misgav, Amir Ganor, Israel*

**Analysis of Silver Denarii Minted in Poland in the X-XI Centuries**

*Julio M. Del Hoyo, Marta Matosz, Poland*

**Some Problems of Metal Artifacts Separation during Conservation Treatments**

*Helena Kupersmidt, Israel*

### Session VI: Pottery

**Archaeological and Archaeometric Investigations of Islamic and Crusader Pottery in Israel. From: The POMEDOR Project "People, Pottery and Food in the Medieval Eastern Mediterranean**

*Yona Waksman, France, Edna Stern, Anastasia Shapiro, Israel, Alessandra Pecci, Spain*

**High-Fired Glazes of Ancient Chinese Ceramics**

*Weidong Li, P.R.China*

**The “Miletus Ware” Between Archaeological Excavations and Museum Collections: A Study of Provenance and Production Techniques by a Multi-analytical Approach**

*Jacques Burlot, Yona Waksman, Anne Bouquillon, Ludovic Bellot-Gurlet, Charlotte Maury, France*

**Contextualization of Zoomorphic Figurines of the Neolithic of the Southern Levant**

*Estelle Orrelle, Liora Kolska Horwitz, Israel*

**The Blues of Glazed-Brick Reliefs of the Ishtar Gate and the Processional Way of Babylon: Compositional Considerations and Provenance**

*Alexandra Rodler, Signe Skriver Hedegaard, Cecilie Brøns, Denmark, Sabine Klein, Germany*

**13:30-14:30 Lunch & Posters**

**14:30-16:30 Session**

**Session VII: Authentication: Manuscripts**

Chair: Elisabetta Boaretto, Weizmann Institute of Science

**Virtual Unwrapping: Quantitative Distortion Analysis of Flattening Applied to the Scroll from Ein-Gedi**

*W. Brent Seales, C. Seth Parker, USA, Pnina Shor, Israel*

**Composition Analysis of Writing Materials in Geniza Fragments**

*Zina Cohen, France, Germany*

**Fluorescence-corrected Raman Spectroscopic Analysis of Collagen and Carbon Inks in Historical Parchments**

*Roman Schuetz, Peter Fratzl, Ira Rabin, Germany, Elisabetta Boaretto, Israel*

**Deciphering the Remains of Colonel Ilan Ramon's Crew Notebook, Recovered After the Loss of the Space Shuttle Columbia**

*Sharon Brown, Israel*

# Wednesday, December 14, 2016

## 09:00-11:00 Plenum

Chair: Zvi Koren, Shenkar College of Engineering, Design and Art

**From Textile to Stucco:  $^{14}\text{C}$  Dating of Art**

*Mark Van Strydonck, Belgium*

**Ancient Mortars and Binders: Can the Walls Speak?**

*Gilberto Artioli, Italy*

## 11:00-11:30 Coffee Break

## 11:30-13:30 Parallel Sessions

### Session VIII: Digital Imaging and Sites

Chair: Zvi Greenhut, Israel Antiquities Authority

**Keynote: Interdisciplinary Planning and Scientific Support in the Field of Rehabilitation of the Holy Aedicule of the Holy Sepulchre**

*Antonia Moropoulou, Greece*

**The Application of Photogrammetry in Archaeology in the Jerusalem District**

*Alexander Wiegmann, Israel*

**Uncovering the Ancient Silk Road from the Dunhuang Manuscripts by Using Satellite Remote Sensing and GIS**

*Lei Luo, Xinyuan Wang, P.R. China*

**Digital Photogrammetric Analysis of a Historic Building: The Arches Building in Lod, Israel, a Case Study**

*Michael Waas, Tsili Giladi, Israel*

**Iron Corrosion Products on "Bronze Age" Gold and Faience Earrings from Tel Megiddo?! Imaging and Surface Micro-Chemical Analysis for a Composite Object**

*Hadas Seri, Israel*

### Session IX: Dating and Archaeometry

**Keynote: Deciphering the Whole Archaeological Record: The Value of On-Site Analyses**

*Elisabetta Boaretto, Israel*

**A 'Coptic' Tunic of the Egyptian Museum of Turin: Stylistic Attribution and Accelerator Mass Spectrometry Radiocarbon Dating**

*Martina Ferrari, USA, Italy, Matilde Borla, Lucia Liccioli, Mariaelena Fedi, Paolo Gallo, Italy*

**The Uncertainty in Dating Ancient Objects with  $^{14}\text{C}$  Method. The Failure in Two Historical Cases: The Magdalen Papyrus and the Shroud**

*Giussepe Nardoni, Italy, Esmeralda Vataj, Albania*

**ECHO - An Interface for Cultural Heritage Experiments at ELETTRA**

*Franco Zanini, Alessandra Gianoncelli, Werner Jark, Andrea Lausi, Lucia Mancini, Luca Olivi, Jasper Plaisier, Maurizio Polentarutti, Barbara Rossi, Mirta Sibilina, Nicola Sodini, Lisa Vaccari, Italy*

**Application of Fourier Transform Infrared Analysis for Prescreening for Radiocarbon Dating**

*Elisabetta Boaretto, Israel*

**13:30-14:30 Lunch & Posters**

**14:30-16:30 Session**

## **Session X: Digital Imaging of Objects**

**Chair:** Ravit Linn, University of Haifa

**Keynote: First Temple Period Inscriptions: Imaging, Enhancement and Analysis**

*Arie Shaus, Israel*

**Reflectance Transformation Imaging and its Use in Negev Rock Art Research**

*David Eisenberg-Degen, Israel*

**Digital Analysis of Rock Art from Manot Cave**

*Avshalom Karasik, Omry Barzilai, Israel Hershkovitz, Ofer Marder, Israel*

**Reconstructing the Ancestral Inheritance of Costa Rica**

*Faye Olsgard, USA*

**3D-Scanning as a New Tool in the Research of Architectural Decoration**

*Asaf Ben Haim, Israel*



## Venue

Crowne Plaza Hotel, Jerusalem

## Language

The official Conference language is English.

## Contributions

Contributions may take the form of invited lectures, oral presentations, or posters. Participants interested in presenting are invited to email their abstract(s) to: [confer@isas.co.il](mailto:confer@isas.co.il)

## Abstracts

Abstracts of approximately 300 words should be sent to [confer@isas.co.il](mailto:confer@isas.co.il)

Abstracts should include authors' names, addresses, and email.

No pictures, tables or references.

By submitting an abstract, at least one of the authors agrees to be present at the conference.

The International Scientific Committee will referee all submitted abstracts and will decide on the method of presentation (oral or poster).

Deadline for abstract submission (oral presentations): September 26, 2016

Late deadline (posters only): October 14, 2016

## Papers

Authors of accepted contributions will be invited to submit a paper for publication in the Conference Proceedings.

## Posters

Posters should be brought and mounted by the authors on the morning of December 12.

## Exhibition and Sponsorship

Space for the commercial exhibition will be available upon request. Please contact the secretariat at [meetings@isas.co.il](mailto:meetings@isas.co.il) for exhibition and sponsorship prices. A list of sponsors will be periodically published and updated on the Conference website.

## Registration Fee

Registration:	Before 7.9.16	Before 15.11.16	After 15.11.16
Participants	\$460	\$520	\$570
Current students*	\$230	\$280	\$330

\*Student registration form must be accompanied by proof of status.

Registration fee includes 3 days of conference, admission to scientific sessions, Program and Proceedings, 3 lunches, welcoming reception, gala banquet, 6 coffee and cake breaks and entrance to the exhibition and poster sessions.

## Accompanying Persons

Fee of \$200 includes welcoming reception, opening session, and gala banquet.

## Cancellation Policy

All cancellations must be received in writing, via fax, email or post.

**Registration cancellations** received before October 15, 2016 - full refund less \$60 (and bank commission).

Cancellations received between October 15 and December 5, 2016 - 50% refund.

No refund on cancellations received after December 5, 2016.

Refunds will be processed within two months after the conference.

## Important Notes:

ISAS International Seminars, their agents and all sponsors, shall not be responsible for and shall be exempt from any liability in respect of any loss, damage, injury, accident, delay or inconvenience to any person, or luggage or any other property for any reason whatsoever, for any tourist services provided. Personal travel and health insurance is recommended.

## Website

[www.art-archaeology.com](http://www.art-archaeology.com)

See website for additional information and periodic conference updates.

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To register online see: <http://www.art-archaeology.com>  
 Please type or print in block letters and return to Secretariat:  
 ISAS International Seminars, POB 34001, Jerusalem 9134001, Israel  
 Tel: +972-2-6520574, Fax: +972-2-6520558, email: [register@isas.co.il](mailto:register@isas.co.il)

Surname \_\_\_\_\_ First Name \_\_\_\_\_

Email \_\_\_\_\_

Place of Work \_\_\_\_\_

Full Mailing Address  Home  Work \_\_\_\_\_

City, State \_\_\_\_\_ Country \_\_\_\_\_ Postal Code \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Registration (Includes reception and gala banquet) \$ \_\_\_\_\_

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