

AUSPICES

ISRANDT - The Israel National Society for NDT

AIPnD - Italian Society for NDT Monitoring Diagnostics

I.C.R. - Italian Ministry of Cultural Heritage and Activities - Central Institute of Restoration

IN COORDINATION WITH

ASNT - Israeli Section
Israel Antiquities Authority
Israel Ministry of Tourism
Israel National Committee of ICOM
Israeli Society for the Conservation and Preservation of Cultural Property (in formation)
Jewish National and University Library, *Israel*
Romanian Physical Society
Technion - Israel Institute of Technology
Dep't of Quality Assurance & Reliability
The Israel Museum
Yad Vashem

**STEERING COMMITTEE**

Amos Notea, *Israel*,
Chairman
Yossi Shoef, *Israel*,
Vice Chairman

Daniel Bar-Elli, *Israel*
Annamaria Giovagnoli, *Italy*
René Van Grieken, *Belgium*
Yaakov Kahanov, *Israel*
Irit Lev Beyth, *Israel*
Giuseppe Nardonì, *Italy*
Ira Rabin, *Israel*
Hasia Rimon, *Israel*
Adin Stern, *Israel*
Sharon Tager, *Israel*
Joseph Wejsfeld, *Israel*

INTERNATIONAL SCIENTIFIC ADVISORY COMMITTEE

Annamie Adriaens, *Belgium*
Nachum Applbaum, *Israel*
Yaakov Applbaum, *Israel*
Sigal Benzoór, *Israel*
Itzhak Brenner, *Israel*
Magen Broshi, *Israel*
Francesco Buranelli, *Italy*
Emine N. Caner-Saltik, *Turkey*
Alfredo Castellano, *Italy*
Roberto Cesareo, *Italy*
Aurelio Climent-Font, *Spain*
Guy Demortier, *Belgium*
Shuka Dorfman, *Israel*
Pier Francesco Fumagalli, *Italy*
Gianmaria Gatti, *Italy*
Annamaria Giovagnoli, *Italy*
Roberto Gittardi, *Italy*
Elzbieta Greiner-Wronowa,
Poland
Varda Gross, *Israel*
Jan Gunneweg, *Israel*

Oliver Hahn, *Germany*
Kirsti Harva, *Finland*
Hezi Israeli, *Israel*
Dennis J. Johnson, *USA*
Nobuyuki Kamba, *Japan*
Ilana Kessler, *Israel*
Robert J. Koestler, *USA*
Tom Learner, *USA*
Albert Lincoln, *Israel*
Roman Gr. Maev, *Canada*
Maurizio Marabelli, *Italy*
Pietro Marani, *Italy*
Cardinal Carlo Maria Martini,
Israel
Eilat Mazar, *Israel*
Biljana Minceva-Sukarova,
Rep. of Macedonia
Irit Narkiss, *UK*
Comcetto Parisi, *Italy*
Frantisek Peterka,
Czech Republic

Marcello Picollo, *Italy*
Matthew Ponting, *UK*
Cardinal Paul Poupard, *Italy*
Stefano Ridolfi, *Italy*
René de la Rie, *USA*
Hannelore Roemich, *USA*
Renzo Salimbeni, *Italy*
Gancarlo Santi, *Italy*
Noga Sher Greko, *Israel*
Gerard Sliwinski, *Poland*
Eliezer Stern, *Israel*
Tova Szeintuch, *Israel*
Masahiko Tsukada, *Japan*
Michael Turner, *Israel*
Steve Weiner, *Israel*
Kern Weisman, *Israel*
Dov Winer, *Israel*
Jan Wouters, *Belgium*
Alessandro Zucchiatti, *Italy*

We are happy to host the upcoming 9th International Art Conference in Jerusalem on Non-destructive Investigation and Analysis. The success of twenty years of Art conferences throughout Europe has set the background for Art2008. The main objective of Art2008 is to bring together experts in non-destructive evaluation and material analysis with professionals from the fields of preservation of cultural heritage, archeology, art history and architectural researchers of ancient structures.

Non-destructive methods of analysis have become a routine in many areas of technology, engineering and medicine. With a growing number of application areas, non-destructive analysis found its way into the world of art and archeology. Its advantage over sampling is obvious in the cases of unique objects of cultural heritage. Continuous improvement of sensitivity and reliability has caused non-destructive investigations to become a preferred approach even in cases where microanalysis sampling is permitted.

Many non-destructive techniques and evaluation methods applied in the natural sciences offer advantages to cultural heritage preservation. The synergy between experts will lead to the continuous development and adjustments of new scientific methods and their application in the fields of preservation, reconstruction and diagnostics of museum and archeological objects.

Conference topics:

- **Techniques to measure and evaluate environmental damage and degradation processes** (on stone, leather, parchment, paintings, wood, ivory, bone, metals, glass) Measurement of the extent of damage caused by corrosion; atmospheric pollution; biodegradation
- **Development of analytical techniques for the study of the composition and decay of museum objects** (ion beam analysis; irradiation and diffraction techniques; radiography and tomography; fluorescence spectroscopy)
- **Measuring the effectiveness of newly developed protection, preservation and conservation procedures** (slowing deterioration and damage; innovative coating; proper storage conditions and controlled environment: temperature, humidity, lighting, gas composition)
- **Techniques to identify materials, provenance of raw materials and production details of objects** (origin and supplies; studies of ancient production techniques; identifying trade routes)
- **Authenticity and authentication of art and archeological objects** (questions of origin; identification of fakes and forgeries), investigation and verification of ancient recipes (ancient manufacturing techniques; classification of artifacts; carbon 14 dating; DNA methods applications)
- **Special case studies relating to the technology applied to artifacts and structures that emphasize ancient Israel's contribution to world heritage** (Jewish, Christian and Islamic)

We look forward to your attending Art2008 and participating in its high level scientific program and entertaining social and cultural events. Israel provides the unique atmosphere of a modern vibrant society existing alongside the archeological and historic sites and the climax is Jerusalem, the City of King David. We see the conference as a milestone event for the conservation and preservation of the spiritual heritage of Israel for the benefit of humanity.

Prof. Amos Notea, Conference Chairman

“No life without roots, no identity without history, no future without past”

HRH the Prince Consort of Denmark, President of Europa Nostra