

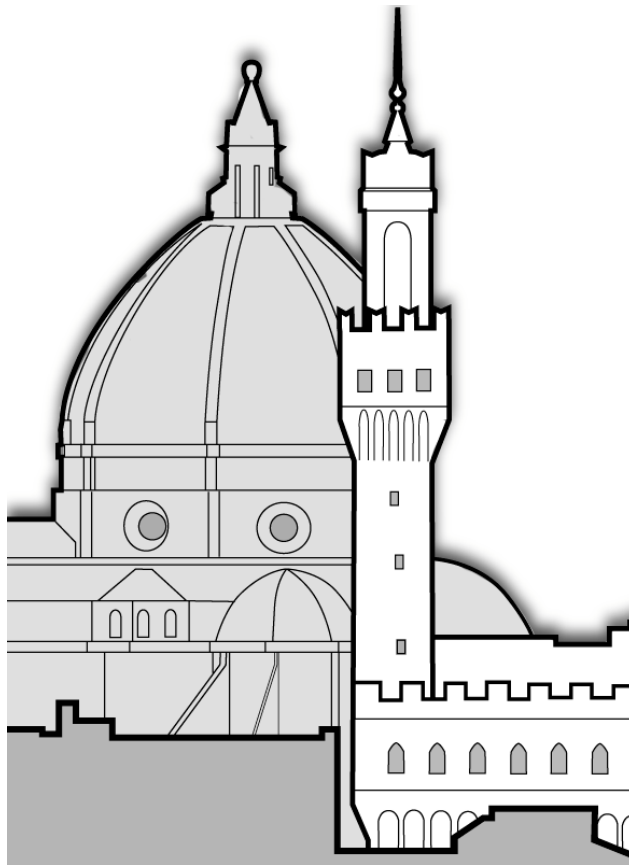
Electronic Imaging & the Visual Arts

‘The Foremost European Electronic Imaging Events in the Visual Arts’

EVA 2004 Florence

Conference, Workshops, Meetings, Training & Exhibition

29 March – 2 April 2004



Venue: Palazzo degli Affari, Piazza Adua 1

Electronic Imaging & the Visual Arts

‘The Foremost European Electronic Imaging Events in the Visual Arts’

In Cooperation with MINERVA Project



Forum for Users, Suppliers & Researchers

The key aim of this Event is to provide a forum for the user, supplier and scientific research communities to meet and exchange experiences, ideas and plans. Participants receive up to date news on new EC and international arts computing & telecomms initiatives as well as on Projects in the visual arts field, in archaeology and history. Working Groups and new Projects are promoted.

Main Topics

- ❖ Case Studies of Leading Edge Applications: Galleries, Libraries, Education, Archaeological Sites, Museums & Historical Tours
- ❖ Mediterranean Initiatives in Technology for Cultural Heritage: Synergy with European & International Programmes
- ❖ New Technology in Conservation & Education to Global Access
- ❖ Integrated Digital Archives for Cultural Heritage and Contemporary Art
- ❖ Management of Museums by using ICT Technology: Access, Guides, Documentation & Other Services
- ❖ The Impact of New Mobile Communications (GPRS, UMTS) on Cultural Heritage and Modern Arts Area
- ❖ Human - Computer Interaction for Cultural Heritage Applications
- ❖ Copyright Protection (Watermarking & Electronic Commerce)
- ❖ Culture and *e-government*
- ❖ Activities and Programmes for *e-learning*
- ❖ 3D Developments and Applications in Archaeology & History
- ❖ Cultural Tourism & Travel Applications

WHO SHOULD ATTEND

THE CULTURAL SECTOR: The Visual Arts Community including Museums, Libraries, Archaeological Sites, Educational, Commercial Galleries and Dealers, Auction Houses, Artists & Collectors

THE HI-TECH INDUSTRY SECTOR: Multimedia Systems, Image Acquisition & Analysis, Data-bases, Display & Printing, ICT Industry, Telematics & Systems Manufacturing, On-line Information Services

MEDIA & RELATED SECTORS: Publishing, Press, Film, Television, Photography, Printing, Advertising, Graphics Design, Consumer Media

IMAGING SYSTEMS RESEARCHERS: Imaging Systems, 3-D Reconstruction & Representation, Information Sciences

TOURISM & TRAVEL SECTOR: Tourism Agencies & Operators, Travel Agencies

THE GOVERNMENT SECTOR: Ministries of Culture and other Institutions involved in Cultural Heritage, Ministries of Industry, Education, Research and Science, Local Governments

SPONSORS & SUPPORTERS INCLUDE:

EUROPEAN COMMISSION, THE UNIVERSITY OF FLORENCE,
REGIONE TOSCANA, PROVINCIA DI FIRENZE, COMUNE DI FIRENZE,
ASSOCIAZIONE DEGLI INDUSTRIALI DELLA PROVINCIA DI FIRENZE,
CENTRO PER LA COMUNICAZIONE E L'INTEGRAZIONE DEI MEDIA,
ISTITUTO DI FISICA APPLICATA "NELLO CARRARA" - C.N.R.,
ALINARI, CNIT, ICESP,
CONSORZIO PISA RICERCHE, FIRENZE TECNOLOGIA,
TELECOM ITALIA, WIND TELECOMUNICAZIONI,
FINMECCANICA,
ELSAG, GALILEO AVIONICA – UNITA' DI BUSINESS SPAZIO ED ELETTRONICA,
IBM ITALIA, EDICOMP, GRUPPO ENGINEERING,
BRAIN TECHNOLOGY, INFOGROUP, S.I.T.I. MET, CENTRICA,
COLLEZIONE GORI - FATTORIA DI CELLE,
ENTE CASSA DI RISPARMIO DI FIRENZE
CASSA DI RISPARMIO DI FIRENZE
FONDAZIONE CASSA DI RISPARMIO DI PISTOIA E PESCIA

**Co-Chairmen: Vito Cappellini - Faculty of Engineering, Florence University and
James Hemsley – EVA Conferences International**
cappellini@det.unifi.it, jamesrhemsley@cix.co.uk

EVA 2004 Florence Advisory Committee includes:

Maria Luisa Polichetti, Ministero per i Beni e le Attività Culturali ~
Antonia Ida Fontana, Biblioteca Nazionale Centrale di Firenze ~
Annamaria Petrioli Tofani, UFFIZI ~ Paolo Galluzzi, Istituto e Museo di Storia della Scienza ~
Andrea De Polo, ALINARI ~
Roberto Gagliardi, Divisione Informatica e Telecomunicazioni – Consorzio Pisa Ricerche~
Manami Wada, Mizunami Municipality

EVA Conferences Organiser: Monica Kaayk

EVA 2004 Florence Technical Organising Committee includes:

Riccardo Saldarelli, Ilaria Ciseri, Federica Codegone, Federica Drovandi, Maurizio Lunghi, Alessandro Nozzoli,
Livia Santoni, Laura Mencherini, Donatella Milani, Laura Tempia



**BANCA
CR FIRENZE**



**ENTE
CASSA DI RISPARMIO
DI FIRENZE**

EVA Organisers:

- Centro per la Comunicazione e l'Integrazione dei Media (MICC) –
RAI Sede Regionale Toscana, Largo A. De Gasperi, 1 – 50136 Firenze, Italy
Tel.: (+39) 055 666445 – Fax: (+39) 055 666465 –
E-mail: info@micc.unifi.it
- VASARI Florence S.r.l., Via dei Benci 2, 50122 Firenze, Italy
Tel. (+39) 055 2466802 ~ Fax (+39) 055 2009785 ~
E-mail: info@evaflorence.it

Web pages ~ <http://vasari.co.uk/eva/florence> ~ <http://lci.det.unifi.it/Events/Eva2004/eva2004.htm> ~
<http://www.evaflorence.it>

For general information: Prof. Vito Cappellini & Secretariat
Dipartimento di Elettronica e Telecomunicazioni & MICC – Università di Firenze
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Electronic Imaging & the Visual Arts

EVA 2004 Florence Training Programme

in cooperation with VASARI Florence S.r.l.

Programme

Monday 29 March

ROOM A

Opening: Cristina Acidini Luchinat, Soprintendente Opificio delle Pietre Dure, Florence

TUTORIAL 1 *(Italian Language)*
9,00-11,00 QUALITY IMPROVEMENT: ELECTRONIC RESTORATION AND COLOUR CONTROL (*MIGLIORAMENTO DI QUALITA': RESTAURO ELETTRONICO E CONTROLLO DEL COLORE*)

- Ornella Casazza, Polo Museale Fiorentino, Florence
- Luca Farulli, Università di Firenze e Accademia di Belle Arti di L'Aquila
- Mauro Barni, Università di Siena,
- Andrea De Polo, ALINARI, Florence
- Andrea Del Mastio, Università di Firenze

11,00 Coffee Break

TUTORIAL 2 *(Italian Language)*
11,15-13,15 COPYRIGHT PROTECTION: DIGITAL MARKING (*PROTEZIONE DELLA PROPRIETA' INTELLETTUALE: MARCHIATURA DIGITALE*)

- Giovanna Damiani, Soprintendenza per i Beni Architettonici e per il Paesaggio e per il Patrimonio Storico Artistico e Demoetno - antropologico (SPSAD) di Firenze, Prato e Pistoia, Florence
- Alessandro Piva, Università di Firenze
- Massimiliano Corsini, Università di Firenze

13,15 Lunch

TUTORIAL 3
14,30-16,30 DIGITAL INTEGRATED ARCHIVES

- Giovanna Damiani, Soprintendenza per i Beni Architettonici e per il Paesaggio e per il Patrimonio Storico Artistico e Demoetno - antropologico (SPSAD) di Firenze, Prato e Pistoia, Florence
- Giovanni Tartaglione, ELSAG

16,30 Coffee Break

TUTORIAL 4
16,45-18,45 3-D ACQUISITION AND REPRESENTATION

- Gabriele Guidi, Università di Firenze
- Massimiliano Corsini, Università di Firenze

Experimental demonstrations are presented regarding the above topics, using multimedia systems and telematics networks.

Coordinator: Vito Cappellini, University of Florence

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Electronic Imaging & the Visual Arts

EVA 2004 Florence Workshops

Tuesday 30 March

ROOM B

WORKSHOP 1 INTERNATIONAL COOPERATION

9,00 – 13,00

Chairman: James Hemsley, EVA Conferences International, U.K.

Opening: Ennio Di Nolfo, Pro-Rettore per le Relazioni Internazionali, Università di Firenze, Italy
Paolo Del Bianco, Fondazione Romualdo Del Bianco, Florence, Italy

The general aspects of international collaboration in Cultural Heritage are presented. The impact of new technologies in the field are considered, outlining the more suitable ones for cooperative plans.

The importance of Virtual Heritage for better cultural cooperation among the Nations in the World is considered.

Projects currently developed in different parts of the World are presented. Collaborative activities in Mediterranean Area are in particular described. European Commission programmes and initiatives are presented.

Speakers include:

- *Dino Giuli, Dipartimento di Elettronica e Telecomunicazioni, Università di Firenze, Italy*
- *Claude Poliart, DG INFSO E5, Preservation and Enhancement of Cultural Heritage, European Commission*
- *Annamaria Petrioli Tofani, Uffizi Gallery, Florence, Italy*
- *Ryuichi Yoshimura, Landesvertretung Praefektur Gifu/Japan, Berlin, Germany*
- *Isabelle Dujacquier, Direction Communication Presse and Protocole, Ministere de la Communauté Francaise, Bruxelles, Belgium*
- *Dov Winer and Moshe Wolf, The Jewish Agency for Israel “e Jewish.info” – The Initiative for Developing Jewish Networking Infrastructures, Israel*
- *Abraham Tamir, Department of Chemical Engineering, Ben-Gurion University of The Negev, Beer-Sheva, Israel*
- *Natalia Kopelyanskaya, All-Russia State Library for Foreign Literature, Moscow, Russia*
- *Olga Barkova, Valeriya Shulgina and Victor Yakovlev, State Academy of Management in Culture and Art, Department of Music Art, Kyiv, Ukraine*
- *Olga Shlykova, Virtual Communication Department, Moscow State University of Culture and Arts, Moscow, Russia*
- *Silvano Pupolin, Università di Padova and CNIT - Distance Learning Programme, Italy*
- *Stefania Gori, Collezione Gori – Fattoria di Celle, Pistoia, Italy*
- *Ali Akbar Niknafs and Pavin Safapour, Shahid Bahonar University of Kerman & Cultural Heritage Organization, Kerman, Iran*
- *Dario Avallone – Engineering Ingegneria Informatica, Rome, Italy*

- *Monica Murero, Centro per la Comunicazione e l'Integrazione dei Media, Università di Firenze, Florence, Italy*
- *Pier Luigi Emiliani, Istituto di Fisica Applicata "Nello Carrara" - C.N.R., Florence, Italy*
- *Claudia Badiu, Paloma Tours, Romania*
- *Riccardo Saldarelli, Accademia delle Belle Arti – Università di Firenze & Arno Art Agency, Florence, Italy*

13,00

Lunch

ROOM B

WORKSHOP 2

14,30-18,45

in cooperation with Tuscany Region

(Italian Language)

NEW OPPORTUNITIES FOR SME (NUOVE OPPORTUNITA' PER LE PICCOLE E MEDIE IMPRESE)

Chairman: Gianni Fabri, Amministratore Delegato, Fondazione Torino Wireless, Turin

Opening:

Simone Tani, Assessore alla Nuova Economia, Comune di Firenze
Simone Sorbi, Politiche Regionali dell'Innovazione e della Ricerca,
Dipartimento allo Sviluppo Economico, Regione Toscana
Francesco Chirichigno, Presidente Fondazione Italiana Nuove
Comunicazioni, Rome

Technological requirements in the Cultural Heritage field are outlined and opportunities for Italian SME's working in the field, using new technologies, are presented.

In particular, programs by MIUR – Ministry of Education, University and Scientific Research and Ministry of Cultural Heritage as well by Ministry of Productive Activities (e.g. PARNASO and PON-POR-PIA Projects) are described.

Funding by European Commission in the Fifth and Sixth Framework Program are considered, with particular reference to multimedia and telematics for Cultural Heritage, Environment and Education (e-learning).

Several Companies and Organizations present their activities and experiences.

Speakers include:

- *Marco Fantacci, Comitato Piccola Industria, Associazione degli Industriali della Provincia di Firenze, Florence*
- *Stefano Cinquini, TELECOM ITALIA*
- *Roberto Mancini, WIND TELECOMUNICAZIONI*
- *Dario Avallone, Engineering Ingegneria Informatica*
- *Ivo Varano, GALILEO AVIONICA – Unità di Business Spazio ed Elettrotecnica*
- *Mauro Rizzo, ELSAG*
- *Giancarlo Prati, CNIT*
- *Stefano Ferraro, BRAIN TECHNOLOGY*
- *Michele Arduini, INFOGROUP*
- *Elisabetta Baldanzi, TARGETTI, Florence*
- *Luca Basilichi, BASSNET*
- *Mario Bettin, InfoCamere*
- *Valterio Castelli, TD Group, Pisa*
- *Mario Cerofolini, S.I.T.I. Met, Florence*
- *Roberto Vicerè, MIRABILIA – EDICOMP*
- *Enrico Andreini, SIMTel, Florence*

- Alessandro Zanini, *El. En.*, Florence
- Fabrizio Fassio, *T6*, Rome
- Bruno Cerboni, *Incipit Imaging*, Rome
- Emanuela Sesti, *ALINARI*, Florence
- Solitario Nesti, *TECNOTESSILE Società Nazionale di Ricerca Tecnologica*, Prato
- Franco Margani, *Firenze Tecnologia*, Florence
- Roberto Gagliardi, *Divisione Informatica e Telecomunicazioni, Consorzio Pisa Ricerche*, Pisa
- Lorenzo Sabatini, *Etruria Innovazione*, Siena
- Maurizio Seracini, *EDITECH*, Florence
- Anna Maria Bonacchi, *Elios Ingegneria*, Pistoia

Wednesday 31 March

ROOM B

WORKSHOP 3

9,00 – 13,00

ARCHAEOLOGY HISTORY AND 3D (ARCH IT)

Chairman: James Hemsley, EVA Conferences International

Organizing Cooperator: Fabrizio Paolucci, Archaeology Consulting, Florence

Archaeology plays a very important role in the overall Culture Heritage area. Historical archives represent the background for study and investigation. Advanced 3D technology is required in archaeology for representation, storage and content distribution. This Workshop is mainly based on EC and National Projects. The results on user practices and needs as well as the technology state of the art work will be presented.

Speakers include:

- Giovanna Damiani, *Soprintendenza per i Beni Architettonici e per il Paesaggio e per il Patrimonio Storico Artistico e Demoetno - antropologico (SPSAD) di Firenze, Prato e Pistoia, Florence*
- Paolo Buonora, *Archivio di Stato di Roma, Italy*
- Violet Gilboa, *College Library, Harward University, Cambridge, MA USA*
- Roberto Caldelli, *Department of Electronics and Telecommunications – Università di Firenze, Italy*
- Sabina Viti, *Università di Pisa, Italy*
- Stefano Ricci, *Laboratorio Archeometrico, Università di Siena, Italy*
- Tommaso Zoppi, *Università di Firenze e Archeological Service, Italy*
- Simone Bellucci, *Laboratorio Multimediale Soprintendenza Beni Archeologici della Toscana, Italy*
- Alberto Raggioli and Tao Madoc Evans, *Metaresearch, Siena, Italy*
- Gabriella Poggesi, *Soprintendenza Beni Archeologici della Toscana, Italy*
- Sorin Hermon, *P.I.N. – Università di Firenze, Italy*
- Franco Niccolucci, *P.I.N. – Università di Firenze, Italy*
- Mario Pagni, *Soprintendenza Beni Archeologici della Toscana, Italy*
- Chiara Braconi, *Studio Chiara Braconi, Italy*

- Antonino Marsala, Archeological Service, Italy
- Orietta Verdiani, Tecnostudio 77, Italy
- Paolo Machetti, Tecnostudio 77, Italy
- Daira Nocera, Scuola di Specializzazione in Archeologia – Università di Genova, Italy

ROOM C

PARALLEL WORKSHOP 9,00-13,00 **AVR – Barco**

NEW TECHNOLOGIES FOR PROMOTION IN MUSEUM AND CULTURAL HERITAGE

Chairmen: Alberto Beria, General Manager Barco Srl and Loredana Lorenzi, Marketing Director AVR (Advanced Virtual Research) Srl

The aim of the workshop is to present new technologies for promotion in Museums and Cultural Heritage through immersive and interactive visualization systems and appealing contents, such as stereoscopic videos and 3D virtual objects and worlds. New Hardware, coming from Barco's experience and interactive contents, developed by AVR, will take the visitor back in time to visit the reconstructions of archeological sites, historical buildings, a virtual copy of a damaged or preserved monument.

ROOM A

14,30 – 18,30

MEETING OF CULTURE NETWORKS **(invitation by MINERVA Project)**

Chairman: Rossella Caffo, Servizio VI Informatica e Statistica, Segretariato Generale Ministero per i Beni e le Attività Culturali, Roma, Italy

Opening: Carla Guidi, Assessore alla Organizzazione, Sistema Informativo Regionale e Infrastrutture Tecnologiche, Regione Toscana
Claude Poliard, DG INFSO E5, Preservation and Enhancement of Cultural Heritage European Commission

The meeting of the European Cultural Networks is the follow up of the previous Meeting held in Rome on 30th October 2003. On that occasion the Cultural Projects funded within the 6th Framework Programme and elder IST networks, such as MINERVA, Digicult, DELOS, EPOCH, PRESTOSPACE, BRICKS, CALIMERA, ERPANET, EMIL-DCF, EVAN, MUSICNETWORK, HEREIN, met in order to promote reciprocal cooperation, create a common research area, and avoid overlappings and, consequently, waste of money.

The set of actions, agreed in October, will be revisited and updated.

ROOM B

PARALLEL WORKSHOP 4 15,00 – 18,30

FINANCING LINES FOR SME *(Italian Language)* **(LINEE DI FINANZIAMENTO PER LE PICCOLE E MEDIE IMPRESE)**

Chairman: Luigi Cappugi, Università della Toscana

Financing represents a crucial point for Small Medium Enterprises (SME). Lines of financing for SME in Italy are presented by Representatives of Public and Private Organizations. Some Enterprises outline their actions in the fields.

Speakers include:

- *Fabio Giacobbi, INTERBANCA, Milano*
- *Giuseppe Pacini, Cassa di Risparmio di Firenze*
- *Giovanni Torrini, MPS Merchant, Monte dei Paschi di Siena*
- *Giancarlo Galardi, Regione Toscana*
- *Vincenzo Bonelli, Associazione degli Industriali della Provincia di Firenze*
- *Cinzia Giachetti, Consorzio Pisa Ricerche, Pisa*
- *Franco Margani, Firenze Tecnologia, Firenze*
- *Stefano Cinquini, TELECOM ITALIA*
- *Dario Avallone, Engineering Ingegneria Informatica*
- *Maurizio Seracini, EDITECH, Firenze*
- *Filippo Gargani, Programmi Futuri, Firenze*

ROOM C

PARALLEL WORKSHOP

15,00-18,30

Space

(Italian Language)

**MUSEUM SYSTEMS AND LOCAL DEVELOPMENT:
OUTLOOK AND DEVELOPMENT SCENARIOS
(SISTEMI MUSEALI E SVILUPPO LOCALE: LO
SCENARIO E LE POSSIBILITA' OPERATIVE)**

Chairman: Flavio Tariffi, Space (www.spacespa.it)

The workshop aims to survey the state of the art in Italian museum systems and networks, analysing the leading organisation and management models and the emerging best practices in the related ICT services.

New advanced solutions to support the development and promotion of museum systems (mostly stemming from the results of European research) will be showcased.

19,00

**RECEPTION BY COMUNE DI FIRENZE (MUNICIPALITY OF
FLORENCE) IN PALAZZO VECCHIO - SALONE DEI DUECENTO**
Welcome: Simone Tani, Assessore alla Nuova Economia, Comune di Firenze
(Florence Municipality)

CONCERT by Claudia Rizzitelli and Francesco Ferroni
(violin and double-bass)

Electronic Imaging & the Visual Arts

Conference Programme ~ Thursday 1 April

ROOM B

Chairmen: Vito Cappellini, Florence University ~ James Hemsley, EVA Conferences International

9,00 *Welcome:* Augusto Marinelli, Rettore Università di Firenze (Florence University)
Alberto Carmi, Presidente Ente Cassa di Risparmio di Firenze
Carla Guidi, Assessore alla Organizzazione, Sistema Informativo Regionale e Infrastrutture Tecnologiche, Regione Toscana (Tuscany Region)
Piero Certosi, Vice-Presidente Provincia di Firenze (Florence Province)
Simone Tani, Assessore alla Nuova Economia, Comune di Firenze (Florence Municipality)
Sergio Ceccuzzi, Presidente Associazione degli Industriali, Provincia di Firenze (Industrial Association of Florence Province)
Antonio Paolucci, Soprintendente del Polo Museale Fiorentino (Superintendent of Florence Museal Network)
Claude Poliart, Principal Administrator DG INFSO E5, Preservation and Enhancement of Cultural Heritage, European Commission

10,15 Coffee Break

10,30 **SESSION 1 – STRATEGIC ISSUES**

Chairman: Claude Poliart, Principal Administrator, DG INFSO E5, Preservation and Enhancement of Cultural Heritage, European Commission

“MINERVA Coordination Strategies and Impact of the Network”

Rossella Caffo

Servizio VI Informatica e Statistica,
Segretariato Generale, Ministero per i Beni
e le Attività Culturali, Roma, Italy

“A new project on Cultural Heritage by C.N.R.”

Angelo Guarino

Progetto Finalizzato Beni Culturali, C.N.R.,
Roma, Italy

“The European Library from Project to Service”

Antonia Ida Fontana

Biblioteca Nazionale Centrale, Firenze, Italy

“DIS (Digital Image System) Technology
and its Applications to Digital Archives (II)^(o)”

Toshiro Kamiuchi
Strategic Products Development Center,
Hitachi Ltd., Yokohama, Japan
National Institute of Informatics, Tokyo,
Japan
The University Museum, The University of
Tokyo, Japan

“Semantic Web and Ontologies at the Institute
and Museum of the History of Science of Florence”

Marco Berni, Fabrizio Butini,
Andrea Scotti
Istituto e Museo di Storia della Scienza,
Firenze, Italy

“New Job Opportunities: Information Technology
at Culture’s Service”

Larissa Zoni
Hypermedia Group, Laboratory Politecnico
di Milano Milano, Italy

13,00 Lunch

14,10 **SESSION 2 - EC PROJECTS**

*Chairman: Claude Poliart, DG INFSO E5, Preservation and Enhancement of
Cultural Heritage, European Commission*

“MINERVA – Ministerial Network for Valorising
Activities in Digitisation

Antonella Fresa
MINERVA Project Tecnical Coordinator,
Pisa, Italy

“BRICKS: The European Digital Library”

Silvia Boi¹, Roberto Gagliardi²,
Francesco S. Nucci³
¹Metaware, Pisa, Italy
²Consorzio Pisa Ricerche, Pisa, Italy
³Engineering, Rome, Italy

“EPOCH – The European Network of
Excellence on Intelligent ICT Applications
To Cultural Heritage”

David Arnold¹, Franco Niccolucci²,
Daniel Pletinckx³, Luc Van Gool⁴
¹ University of Brighton, UK
² Università di Firenze, Italy
³ Ename Center, Belgium
⁴ University of Leuven, Belgium

“Digital Capture of Archive, Objects and Paintings
for Research and Conservation”

Christian Lahanier¹, Geneviève
Aitken¹, Pascal Cotte², Ruven Pillay²,
Denis Pitzalis²
¹ C2RMF, Palais du Louvre, Paris, France
² Lumière Technology, Paris, France

“From Cultural Learning Objects to Virtual Learning
Environments for Cultural Heritage Education:
The Importance of Using Standards”

Fabrizio Giorgini, Fabrizio Cardinali,
Michele Dicerto, Andrea Lorenzon
Giunti Interactive Labs,
Sestri Levante, Genova, Italy

^(o) Con il patrocinio dell’Istituto Giapponese di Cultura in Roma (The Japan Foundation)

“The DHX Project Globally
Shared Cultural Heritage”

Patrizia Palamidese, Francesco
Carreras, Primo Coltelli
CVS Lab – Creative Virtual Systems
Laboratory ISTI- CNR
Pisa, Italy

16,10 Coffee Break

16,25 **SESSION 3 - EC PROJECTS**

*Chairman: Maurizio Lunghi, Technical Expert on Culture Heritage
Applications*

“Exploring Co-operation Opportunities in ICT with
European & Indian Enterprises, R&D and Academia”

Ashok Kar¹, Silvana Muscella², Hilary
Hanahoe³

¹Ind'Europe, Paris, France

²Metaware, Pisa, Italy

³Trust-IT Services, Enfield, UK

“HANDLE WITH CARE - The Memoria project
and the re-use of information”

Hub Kockelkorn,
Museum, Den Haag, The Netherlands

“Smart Exposition Rooms: the Ambient Intelligence
View”

Anton Nijholt
Centre of Telematics and Information
Technology (CTIT), University of Twente,
Enschede, The Netherlands

“MEDINA (Mediterranean by Internet Access):
An EU Funded Project for Promoting
Mediterranean Cultural Tourism Through ICT”

M. Speroni¹, M. Fiordelli²,
D. Bolchini², G. Randazzo²,
F. Garzotto¹

¹ Department of Electronics and Information
(HOC Lab), Politecnico di Milano, Italy

² Faculty of Communication Sciences (TEC
Lab), University of Lugano, Switzerland

17,45 **SESSION 4 –VIRTUAL GALLERIES AND MUSEUMS**

*Chairman: Violet Gilboa, College Library, Harvard University, Cambridge, MA
USA*

“The Video-Enabled Museum”

Kenneth Kobus
Information System, The Adler
Planetarium and Astronomy Museum,
Chicago, U.S.A.

“Building Online Research Galleries to Enable
Access to and Interpretation of Large Collections
of Photographs”

Michael Hiley
Centre for Technology and the Arts, De
Montfort University, Leicester, U.K.

“Virtual Archaeology beyond scientific reconstruction: the role of education and communication. The “Pompei – Insula del Centenario (IX 8) Project” experience”

Daniela Scagliarini Corlaita,
Antonella Coralini, Erika
Vecchietti
Dipartimento di Archeologia, Università di
Bologna, Italy

“Optimal Image Generation for Art Databases”

Ana I. Deac, Jan C.A. van der
Lubbe, Eric Backer
Information Communication Theory Group,
Faculty Electrical Engineering, Mathematics
and Computer Science,
University of Technology Delft, The
Netherlands

PARALLEL SESSIONS

ROOM A

14,10

SESSION 5 – NEW TECHNOLOGICAL DEVELOPMENTS

Chairman: Andrea De Polo, ALINARI, Florence, Italy

“Beneath the Surface: New Technologies
Reveal the Artist at Work (Case Studies in
Diagnostics and Integration)”

Maurizio Seracini¹, Holly Witchey²

¹Editech, Firenze, Italy

²New Media Initiatives, The Cleveland
Museum of Art, OH U.S.A.

“The Use of Wireless Technology for Cultural
Heritage”

Lorenzo Bianchi¹, Michele Luglio²

¹ Institute for Technology Applied to Cultural
Heritage ITABC – C.N.R., Roma, Italy

²Department of Electronics Engineering,
University of Rome “Tor Vergata”, Rome,
Italy

“A Real-Time Viewing System of Oil Painting from
Arbitrary Direction” ^(*)

Shinji Kimura, Toshiaki Fujii,
Masayuki Tanimoto
Department of Information Electronics,
Graduate School of Engineering, Nagoya
University, Japan

“A Visualization Tool for Comparing Paintings
and their Underdrawings”

Paul Kammerer, Allan Hanbury,
Ernestine Zolda
PRIP, T.U. Wien, Austria

^(*) Con il patrocinio dell’Istituto Giapponese di Cultura in Roma (The Japan Foundation)

“Interactive Immersive Graphics for Promoting Cultural Heritage”

Tiziano Diamanti¹, Mauro Felicori²,
Antonella Guidazzoli³, Maria
Chiara Liguori⁴, Massimo Alessio
Mauri³

¹VISMAN Project, Bologna, Italy

²Bologna City Council, Italy

³CINECA, Casalecchio di Reno (Bologna),
Italy

⁴University of Bologna, Italy

“DIG-IN - An Experiment to Build a Multi-User Scalable, Online Gaming Experience for Students”

Holly Witchey¹, Matthew Neff²,
Anthony Solary²

¹New Media Initiatives, The Cleveland
Museum of Art, Cleveland, OH U.S.A.

²Flipline Interactive Design Studios

16,10 Coffee Break

16,25

SESSION 6 - NEW TECHNOLOGICAL DEVELOPMENTS

*Chairman: Roberto Gagliardi, Divisione Informatica e Telecomunicazioni -
Consorzio Pisa Ricerche, Pisa, Italy*

“Painting Capture from Photos of Pottery”

Carlo Colombo, Dario Comanducci,
Alberto Del Bimbo, Federico Pernici
Dipartimento di Sistemi e Informatica,
Università di Firenze, Italy

“Robust Color Image Retrieval of Artworks for the WWW”

Bogdan Smolka
Department of Automatic Control, Silesian
University of Technology,
Gliwice, Poland

“Multimedia Shows as a Way to Cultural Heritage Renovation and Preservation”

Anna Gentile¹, G. Ilenia Paladini²

¹ Department of Innovation Engineering,
University of Lecce, Italy

² Innovative Materials and Technologies,
ISUFI of Lecce, Italy

“Wireless communication in monument conservation”

Alfredo Ronchi
Politecnico di Milano, Italy

“New Visual Technologies for the Performing Arts: Virtual Set for Opera, Visual Classical Concert, Painting of Historical Buildings”

Paolo Micciché
Romola (Firenze), Italy

19,30

**RECEPTION BY ASSOCIAZIONE DEGLI INDUSTRIALI DELLA PROVINCIA
DI FIRENZE (INDUSTRIAL ASSOCIATION OF FLORENCE PROVINCE)**

Via Valfonda, 9

Welcome: Enrico Bocci, Vice - President

Conference Programme ~ Friday 2 April

ROOM B

9,00 THE VI FRAMEWORK PROGRAMME PLANS OF THE EUROPEAN COMMISSION

Presentation by: Claude Poliart, Principal Administrator, DG INFSO, Preservation and Enhancement of Cultural Heritage, European Commission

9,45 Coffee Break

10,00 SESSION 7 - ACCESS TO THE INFORMATION CONTENT

Chairman: James Hemsley, EVA Conferences International, U.K.

“Online access to cultural and educational resources for disabled people: an international challenge”

Marcus Weisen
Learning and Access Team
MLA – The Museums, Libraries and Archives Council Libraries, London, UK

“Global Art on Demand Initiative”

Andrea De Polo, Christian Lahanier, Jacques Misselis, Alain Minodier, Patrice Giraud
AOD Initiative, Firenze, Italy
Paris, Valence, Grenoble, France

“Acquaintance, Safeguard and Valorization of Smaller Libraries Bibliographical Patrimony. A Project Model”

Simonetta Pelusi¹, Paolo Mauro²
¹Biblion. Centro Studi sul Libro Antico, Venezia, Italy
²Digital Codex, Belluno, Italy

“Virtual Reality Metaphor for Data Handling and Retrieval in Conservation of Cultural Assets”

Maurizio Rossi¹, Paolo Salonia², Antonella Negri², Davide Selmo³
¹Dip. INDACO, Politecnico di Milano, Italy
²Istituto per le Tecnologie Applicate ai Beni Culturali, Consiglio Nazionale delle Ricerche ITABC-CNR, Roma, Italy
³Dip. di Informatica e Comunicazione, Università degli Studi di Milano, Italy

“VIA – The V&A Information Architecture”

Ian Croxford, Bryan Solomon
Victoria and Albert Museum, London, U.K.

“CULTUREBASE.NET - The International Artist Database”

Eva Stein
Communication Department, House of World Cultures, Berlin, Germany

“Museums and Cultural Heritage *BroadVisibility*”

Mario Bucolo
ABIS MultiCom – Multimedia & Communication, Catania, Italy

“Evaluation of Cultural Web Sites: a MILE-based comparative analysis”

Franca Garzotto¹, M.Pia Guermandi²
Franco Niccolucci³

¹Politecnico di Milano, Italy

²IBC Emilia Romagna, Italy

³Università di Firenze, Italy

PARALLEL SESSION

ROOM A

10,00

PARALLEL SESSION 8 – 3-D TECHNOLOGIES AND APPLICATIONS

Chairman: Christian Lahnier, C2RMF, Palais du Louvre, Paris, France

“Karabournaki-Recording the Past: the Digitization of an Archaeological Site”

D. Tsiafakis, N. Tsirliganis, G. Pavlidis, V. Evangelidis,
C. Chamzas,
Cultural and Educational Technology
Institute, Xanthi, Greece

“Creating 3D Digital Archive of Byzantine Ruins in Turkey”

R. Kadobayashi
Interactive Communication Media and
Contents Group Communications Research
Laboratory,
Kyoto, Japan.

“Architectural Surveying – From a point-cloud to a 3D model, benefits of using theoretical models stemming from the history of representation”

Jean-Yves Blaise, Livio De Luca,
Michel Florenzano,
UMR CNRS/MCC 694 MAP-gamsau, EAML
184, Marseille, France

“Electronic Documentation Tool for Archaeology: An Automated System for Fragments of Ceramics”

H. Mara, R. Sablatnig
Institute of Computer Aided Automation
Vienna University of Technology, Austria

“3D Reconstructions of Prehistoric Sites. Taphonomic Analysis of Grave 7, Grotta del Romito (Papasidero Cosenza)”

Sabina Viti
Dipartimento Scienze Archeologiche,
Università di Pisa, Italy

“Digital Three-dimensional Modeling of Heritage by Frequency-modulated Laser Radar: the Case of Donatello’s David”

G. Guidi¹, A. Cioci¹, A. Spinetti
C. Atzeni¹, C. Cassani²,
A. Lupus³
¹Università degli Studi di Firenze, DET,
Florence, Italy
²Leica Geosystems, Milano, Italy
³Leica Geosystems, Unterentfelden,
Switzerland

PARALLEL WORKSHOP

ROOM C WORKSHOP 5

10.00-13.00

(Italian Language)

CONCEIVING A CULTURE WEB SITE (*CONCEPIRE UN SITO WEB DI QUALITA'*)

Chairman: Oreste Signore, W3C Office Manager in Italy, Italian Office W3C at C.N.R. - Pisa

The Handbook gives directions to plan cultural web sites aiming at the centrality of contents and at their quality. In compliance with the regulations on content accessibility developed on the eEurope plan and in Italy on the national rule for Accessibility for disabled (Legge Stanca del 9 gennaio 2004, n. 4. *Disposizioni per favorire l'accesso dei soggetti disabili agli strumenti informatici*), the Handbook proposes the adoption of quality criteria to create Web sites whose structure is accessible and usable to all citizens.

13,00 Lunch

14.30 *Opening: Claudio Chetta, Consigliere per l'Informatica e la Digitalizzazione del Ministero per i Beni e le Attività Culturali (Ministry for Cultural heritage and Activities), Roma, Italy:*
"The Culture Heritage Portal for Tourism" (Il Portale della Cultura per il Turismo).

14,40 **SESSION 9 – COPYRIGHT PROTECTION**

Chairman: Giovanna Damiani, Soprintendenza per i Beni Architettonici e per il Paesaggio e per il Patrimonio Storico Artistico e Etnoantropologico (SPAD) di Firenze, Prato e Pistoia, Florence, Italy

"Opportunities for Digital Asset Management: Practical Case Studies"

Nic P. Sheen¹, Annette A. Ward²

¹iBase Image Systems, Ilkley., UK

²Department of Computer, Science, University of New Mexico, USA

"The JPEG 2000: testing results about the new digital image compression standard"

Sam H. Minelli, Andrea De Polo

Fratelli Alinari Photo Archives,
Firenze, Italy

"A Robust Watermarking Method Supported by an Image Registration Mechanism for Securing Digital Image Libraries"

Dimitrios K. Tsolis¹, Spiridon N. Nikolopoulos¹, Vassilis Fotopoulos², George K. Tsolis¹, Emmanouil G. Karatzas¹, Theodore S. Papatheodorou¹, Athanassios N. Skodras²

¹Dept. Comp. Eng. & Informatics, University of Patras, Greece

²Hellenic Open University, Patras, Greece

"Visual Quality of 3D Models for Watermarking Technology Improvements"

Vito Cappellini, Massimiliano Corsini, Francesca Uccheddu

Dept. of Electronics and Telecommunications,
University of Florence, Italy

16,00 Coffee Break

PARALLEL SESSIONS ROOM A

14,40 **SESSION 10 - CASE STUDIES**

Chairmen: Benedetto Benedetti, Scuola Normale Superiore, Pisa, Italy

“Aesthetics-Driven Mobile Product Design
as an Educational Vehicle”

Penelope Scaffold, Peter Excell
School of Informatics and Mobile and Satellite
Communications Research Centre
University of Bradford, UK

“The Royal Collection”
e-Gallery”

Stephen J. Patterson¹, Rory Matthews²
¹Computer Systems Manager, Royal Collection,
Buckingham Palace, London, UK
²Consultant, Brighton, UK

“Reasoning with Time in Large
Databases: the Rembrandt case”

Mark Van Staalduinen,
Jan C.A. van der Lubbe
Information Communication Theory Group,
Faculty Electrical Engineering, Mathematics
and Computer Science, University of Technology
Delft, The Netherlands

“Medieval Chartes and Modern Networks

Thomas Aigner
Diocese of St. Pölten Archives, Pölten, Austria

16,00 Coffee Break

16.15

“Reading Web pages to visually
impaired people”

Angelo B. Capodieci¹, Nicoletta Di Blas²,
Paolo Paolini^{2,3}, Marco Speroni³,
Davide Bolchini³
¹SET-LAB (NET-LAB), Università degli Studi di
Lecce, Italy
²Department of Electronics and Information, HOC-
Lab (NET-Lab), Politecnico di Milano, Italy
³Communication Science TEC-LAB (NET-LAB), USI
University of Italian Switzerland, Lugano,
Switzerland

“NUMERO: Organization of a Digital
Satirical Journal for Different Communities”

Francesca Zanella, Vanja Strukelj,
Anna Maria Tammaro
Dipartimento dei Beni Culturali e dello Spettacolo,
Università di Parma, Italy

INFORMATION ON PARALLEL AND CONNECTED EVENTS

PARALLEL EVENT 1

A TECHNICAL EXHIBITION will be organized in parallel to the above Workshops and Conference in the same Building (Palazzo degli Affari, Piazza Adua, 1) in the days 30-31 March, 1-2 April 2004.

(Interested Exhibitors are invited to contact VASARI Florence S.r.l.). A Workshop will be held on 31 March (morning) for Exhibitors presentations.

PARALLEL EVENT 2

1^a BORSA DELLA RICERCA E DELL'INNOVAZIONE

Friday 2 April,

Palazzo degli Affari,

Piazza Adua, 1

Sponsored by ASSINDUSTRIA FIRENZE

<http://www.firenzeindustria.fi.it>

PARALLEL EVENT 3

WORKSHOP ON NATURAL INTERACTION

Friday April 2,

Aula Magna, Università di Firenze, P.zza S.Marco, 4

Sponsored by SIGCHI Italy and

Media Integration and Communication Center- University of Florence

In cooperation with Provincia di Firenze

<http://naturalinteraction.org/workshop>

CONNECTED EVENT 1

*European Workshop on Culture & Technology
“3-D Content Digitization and Distribution”
(Invited Participants)*

*Saturday 3, Sunday 4 April,
Fattoria di Celle, Pistoia*

Sponsored by Fondazione CASSA DI RISPARMIO DI PISTOIA E PESCIA

CONNECTED EVENT 2

*International Workshop on the Information Technologies for Cultural Heritage
“**Napoleone and Elisa in Tuscany**”*

Seminario Internazionale sulle Tecnologie dell’Informazione per i Beni Culturali

*“**Napoleone ed Elisa: Segni della Presenza in Toscana**”*

Monday 5 April, Palazzo Ducale, Lucca

Sponsored by Tuscany Region and Province of Lucca

FOLLOWING EVENTS

CulturMed 2004

Monday 5 – Tuesday 6 April, Catania

<http://www.museumland.com/culturmedita.html>

International EVA Workshop on Cultural Heritage and 3D Architecture

Monday 10 May 2004, Laval

in conjunction with the

6th International Conference on Virtual Reality and Laval Virtual 2004

(www.laval-virtual.org)