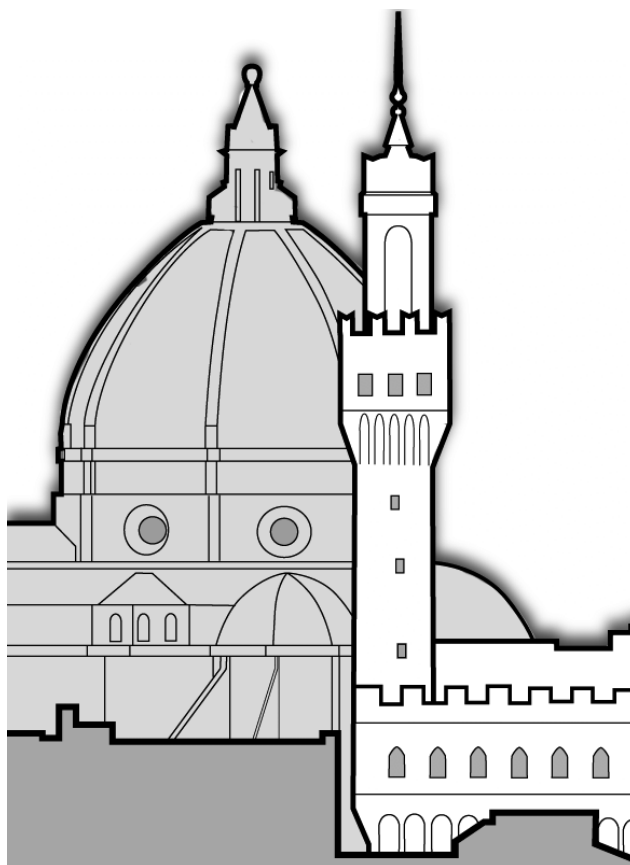


Electronic Imaging & the Visual Arts

EVA 2016 Florence

11 – 12 May 2016

PROGRAM



Hotel Pierre, Florence

Electronic Imaging & the Visual Arts

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

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 in the wide area of Culture & Technology. Participants receive up to date news on new EC and international arts computing & telecommunications initiatives as well as on Projects in the visual arts field, in archaeology and history. Working Groups and new Projects are promoted. Scientific and technical demonstrations are presented.

Main Topics

- 2D – 3D Digital Image Acquisition
- Leading Edge Applications: Galleries, Libraries, Education, Archaeological Sites, Museums & Historical Tours
- Mediterranean Initiatives in Technology for Cultural Heritage: Synergy with European & International Programmes
- 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 on Cultural Heritage and Modern Arts Area
- Semantic Webs
- Human - Computer Interaction for Cultural Heritage Applications
- Copyright Protection (Watermarking), Anti-Counterfeiting and Electronic Commerce
- Culture and *e-government*
- Activities and Programmes for *e-learning*
- Applications to TV & Cinema
- 3D Developments and Applications in the Cultural Heritage Area
- Digital Theater
- Cultural Tourism & Travel Applications
- Art and Medicine

WHO SHOULD ATTEND

THE CULTURAL SECTOR: The Visual Arts Community including Museums, Libraries, Archaeological Sites, Educational Institutions, 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 Acquisition, Reconstruction & Representation Systems, 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, Regional Governments

SPONSORS & SUPPORTERS INCLUDE:

EUROPEAN COMMISSION, THE UNIVERSITY OF FLORENCE,
REGIONE TOSCANA, COMUNE DI FIRENZE,
DIPARTIMENTO DI INGEGNERIA DELL'INFORMAZIONE - UNIVERSITA' DI FIRENZE,
CENTRO PER LA COMUNICAZIONE E L'INTEGRAZIONE DEI MEDIA,
ISTITUTO DI FISICA APPLICATA "NELLO CARRARA" – C.N.R.
CONFINDUSTRIA FIRENZE,
GTTI, CNIT,
HITACHI LTD.,
GRUPPO SESA,
CABEL,
T.T. TECNOSISTEMI,
FRATELLI ALINARI IDEA,
CENTRICA,
NEUMUS,
VIDITRUST,
VIRTUITALY,
INN-3D,
ICESP,
CONSERVATORIO DI MUSICA LUIGI CHERUBINI,
ENTE CASSA DI RISPARMIO DI FIRENZE.

Co-Chairmen: Vito Cappellini, Enrico del Re – Florence University
vito.cappellini@unifi.it enrico.delre@unifi.it

ADVISORY BOARD

President: James Hemsley, EVA Conferences International
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Cristina Acidini, Accademia delle Arti del Disegno, Florence, Italy
Paolo Blasi, University of Florence, Florence, Italy
Enrico Bocci, Progetto Ricerca e Innovazione, Confindustria Florence, Florence, Italy
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Edoardo Calia, Istituto Superiore Mario Boella, Turin, Italy
Andrea De Polo, Fratelli Alinari IDEA, Florence, Italy
Takashi Hamazaki, DIS Project, Hitachi Ltd., Yokohama, Japan

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EVA 2016 Florence Technical Organising Committee includes:

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EVA Organiser: Dipartimento di Ingegneria dell'Informazione (DINFO) -
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Web pages ~ <http://iapp.det.unifi.it/uploads/documents/highlights/announcement.pdf>

For general information:

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For information on the Exhibition:

CENTRICA S.r.l.
Piazza della Madonna della Neve, 5 - 50122 Florence - Italy
Tel.: (+39) 055 24 66 802 – Fax: (+39) 055 20 09 785
E-mail: info@centrica.it Web pages ~ <http://www.evaflorence.it>



**ENTE
CASSA DI RISPARMIO
DI FIRENZE**



PROGRAM

1 - CONFERENCE

Wednesday, 11 May: 14,15 – 19,10
Thursday, 12 May: 9,00 – 17,55

2 - WORKSHOP

Wednesday, 11 May: 9,00 – 13,00

3 - SPECIAL EVENT

Wednesday, 11 May: 19,30 – 21,30

4 – ART-TECHNICAL EXHIBITION

Thursday, 12 May: 10,00 – 18,00

Venue:

Hotel Pierre

Via De' Lamberti, 5

50123 Firenze

Tel. +39 055 216218 Fax +39 055 2396573

E-mail: pierre@remarhotel.com

www.remarhotels.com

ROOM A

1 - CONFERENCE

Wednesday, 11 May

*Chairmen: Vito Cappellini, University of Florence
Enrico Del Re, University of Florence*

*14,15 Opening: Luigi Dei,
Rector of University of Florence
Börries von Notz,
CEO Historic Museums of Hamburg
Enrico Del Re,
Director of Department of Information Engineering –
University of Florence
James Hemsley,
EVA Conferences International
Pier Luigi Rossi Ferrini,
Vice-President Ente Cassa di Risparmio di Firenze
Paolo Castellacci,
President GRUPPO SESA*

15,30 Coffee Break

ROOM A

15,45 **SESSION 1 – STRATEGIC ISSUES**

Chairman: Paolo Blasi, University of Florence, Florence, Italy

“Innovative tools for the creation, reuse and retrieval of digital cultural content”

Rossella Caffo
Michael-Culture Association

“IP Strategic Role”

Daniela Mainini
Anti-Counterfeiting Center
Milan, Italy

“High Quality Archive Project for Polo Museale Fiorentino: Exploitation Activities. Demonstrations and Exhibitions in Japan”

Takashi Hamazaki
DIS Project, Hitachi Ltd.
Yokohama, Japan

“eFoto Hamburg Lab”

Christoph Wienberg¹, Horst Scholz²
¹IT and Project Management,
Office of Hamburg’s CIO,
Hamburg, Germany
²Information Technology and Digital Projects,
Hamburg Ministry of Culture,
Hamburg, Germany

“Museo Nazionale del Bargello”

Ilaria Ciseri
Museo Nazionale del Bargello,
Florence, Italy

“Uffizi Virtual Experience. Da Giotto a Caravaggio”

Marco Cappellini¹, Paolo De Rocco¹, Paolo Romoli¹, Marxiano Melotti², Vito Cappellini³,
¹Virtually, Florence, Italy
²Bicocca University, Milan, Italy
³University of Florence, Florence, Italy

ROOM A

17,45

SESSION 2 – NEW SCIENCE AND CULTURE DEVELOPMENTS & APPLICATIONS

Chairman: Konstantine Karczmarski, University Innovation Office, ITMO University, St.Petersburg, Russia

“Beauty as a Bridge Between Cultures”

Giuseppe O. Longo
Information Theory,
University of Trieste,
Trieste, Italy

“Recent advances in spectral imaging for cultural heritage documentation and analysis”

Jon Yngve Hardeberg, Sony George,
The Norwegian Colour and Visual Computing
Laboratory, NTNU,
Gjøvik, Norway

“Application of Big Data and Content Curation to Exploitation of Cultural Heritage”

Konstantine Karczmarski
Department of Innovations,
ITMO University,
Saint Petersburg, Russia

“Piezomusicolor. A natural Form of Technological Art”

Giuseppe Caglioti¹, Marco Marcon¹, Tatiana Tchouvilleva¹, Riccardo Della Ragione²
¹Politecnico di Milano,
Milan, Italy
²Magic Music s.a.s,
Livorno, Italy

“The Use of Patient Specific Instrumentation during Total Knee Replacement Surgery”

Lawrence Camarda, Antonio D’Arienzo,
Salvatore Morello, Michele D’Arienzo
Orthopaedic and Traumatology Department,
University of Palermo, Palermo, Italy

“New Trends in Computer Radiology”

Matteo Consalvo
U.O Radiologia P.O., Santa Maria Annunziata,
Azienda USL Toscana Centro,
Florence, Italy

Thursday, 12 May

ROOM A

9,00

INTERNATIONAL FORUM ON “CULTURE & TECHNOLOGY

Chairman: Vito Cappellini, University of Florence, Florence, Italy

The structure of the FORUM is presented.

Actual developments and perspectives are outlined:

- Cooperation Groups
- Proposed Projects
- Funding Opportunities
- European Commission Plans (HORIZON 2020)

Opening:

- *Alessandro Fabbroni, Amministratore Delegato del GRUPPO SESA*

Speakers Include:

- *Cristina Acidini, President Accademia delle Arti del Disegno, Florence, Italy*
- *Nikolay Borisov, President of Center of Design and Multimedia, ITMO University, Saint Petersburg, Russia*
- *Edoardo Calia, Research Director, Istituto Superiore Mario Boella, Torino, Italy*
- *Alberto Del Bimbo, Director Centro per la Comunicazione e l'Integrazione dei Media, Florence, Italy*
- *Monica Carfagni, President Promo Design, Calenzano, Florence, Italy*
- *Fabio Donato, University of Ferrara, Italian Representative in HORIZON 2020-SC6 Committee*
- *Paolo Zampini, Director of Conservatorio di Musica Luigi Cherubini, Florence, Italy*

Closing:

- *Giovanni Moriani, President VAR GROUP*

11,00

Coffee Break

11.15

SESSION 3 – NEW TECHNICAL DEVELOPMENTS & APPLICATIONS

Chairman:

Jon Yngve Hardeberg, The Norwegian Colour and Visual Computing Laboratory, NTNU, Gjøvik, Norway

“The Fear for Virtual: Social Innovation and Technology”

Eugenia Romanelli
Journalist
Rome, Italy

“Perception-Based Histogram Equalization for Tone Mapping Applications”

S. Ploumis¹, Ronan Boitard¹, Mahsa T. Pourazad^{2,3}, Panos Nasiopoulos^{1,3}

¹Elect. and Computer Eng. Department, University of British Columbia, Vancouver, Canada

²TELUS Communications Inc., Vancouver, Canada

³The Inst. for Computing, Information and Cognitive Systems (ICICS), Vancouver, Canada

“From *Encyclopédie* plates to visual knowledge for craftsmen: the project *Visuoplanches*”

Marcantonio Catelani¹, Maria Teresa Zanola², Clara Vecchio²

¹University of Florence, Florence, Italy

²Università Cattolica del Sacro Cuore, Milan, Italy

“Culture and Computer Science to Change Society’s Behavior”

Wilhelmina Ndapewa-Onyothi Nekoto^{1,2}, Hippolyte N’Sung-Nza Muyingi², Jürgen Sieck^{1,2}

¹University of Applied Sciences Berlin, Berlin, Germany

²Namibia University of Science and Technology, Namibia

“New Trends of 3D Technologies”

Chiara Soffici¹, Francesca Uccheddu², Francesco Falaschi³, Vito Cappellini⁴,

¹Master Thesis in Economy and Management, Florence University, Florence, Italy

²DINFO - University of Florence, INN-3D, Florence, Italy

³VARGROUP, Empoli, Florence, Italy

⁴University of Florence, INN-3D, Florence, Italy

“New 3D Scene Representation for FTV”

Masayuki Tanimoto

Nagoya Industrial Science Research Institute
Nagoya, Japan

13,15 Lunch Break

ROOM A

14,40 **SESSION 4 – MUSEUMS – VIRTUAL GALLERIES AND RELATED INITIATIVES**

Chairman: Andrea De Polo, Fratelli Alinari IDEA, Florence, Italy

“Terahertz Advanced Research Techniques for Non-Invasive Analysis in Art Conservation (THz-ARTE)”

M. Picollo¹, A. Aldrovandi^{1,2}, G. Bartolozzi¹, A. Casini¹, C. Cucci¹, A. Doria³, K. Fukunaga⁴, G.P. Gallerano³, E. Giovenale³, R. Olmi¹, M. Poggesi¹, L. Stefani¹

¹“Nello Carrara” Institute for Applied Physics of the Italian National Research Council (IFAC-CNR), Sesto Fiorentino, Florence, Italy

²Opificio delle Pietre Dure (OPD), Florence, Italy

³National Institute of Information and Communications Technology (NICT), Tokyo, Japan

⁴ENEA-Frascati, Frascati, Rome, Italy

“The Secrets of the Work of Art. Mysteries concealed behind old Restorations and the Truth Revealed ”

Sara Penco,
Restorer and Creator for the “SMARTICON Project”,
Rome, Italy

“Cultural Assets, ‘Extended’ Museums and the Historic City: the Case Study of an App for Genoa”

Valentina Fiore, Lauro Magnani, Sara Rulli
Dept. D.I.R.A.A.S.
Università degli Studi di Genova
Genoa, Italy

“3D Services at Museo Galileo”

Luisa Barattin, Marco Berni, Elena Fani
Museo Galileo - Institute and Museum of the History
of Science, Florence, Italy

16,00 Coffee Break

ROOM A

16,15 **SESSION 5 – ACCESS TO THE CULTURE INFORMATION**

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

“Art in the Neuroscience Era. How the Brain Understands and Creates Art”

Raffaella Folgieri¹, Ludovico Dei Cas²,
Francesco Soave³, Claudio Lucchiari¹
¹Dipartimento di Filosofia, Università degli Studi di Milano,
Milan, Italy
² CdL Scienze Biologiche, Università degli Studi di Milano,
Milan, Italy
³Msc Interactive Digital Media,
Ravensbourne College of Design and Communication,
London, U.K

“Disability & Digital Discussion:
Global, EU & Italian Developments in
the New Millennium”

James Hemsley
VASARI Research Centre, Birkbeck College, University
of London and EVA Conferences International,
London, U.K.

“Toviva Project: Documenting the Spanish
Defense Towers along the Valencian Coast
with a Comprehensive Digital Methodology

A. Pablo Rodríguez-Navarro¹, B. Giorgio Verdiani²,
C. Teresa Gil Piqueras¹
¹Departamento de Expresión Gráfica Arquitectónica
Univesitat Politècnica de Valèncian
Valencia, Spain
²Dipartimento di Architettura,
Università degli Studi di Firenze,
Florence, Italy

“Rio’s Digital Atelier Murat under
Verrochio’s Spell”

Heitor Luiz Murat de Meirelles Quintella,
Stratimidia’s Murat MAGIC
(Maison d’Art Galerie et Imaginarium Contemporain)
Atelier,
Rio de Janeiro, Brasil

2 - WORKSHOP

ROOM A

WORKSHOP INNOVATION AND ENTERPRISE – INNOVAZIONE E IMPRESA

(Italian Language)

9,00 – 13,00

*Chairman: Enrico Bocci, Progetto Ricerca e Innovazione, Confindustria Firenze e
Presidente Opera Medicea Laurenziana, Florence, Italy*

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

Regional and national applied research Programs in Italy are described.

Activities by National Organizations and Firms working in the area of Telecommunications, Informatics, Environment and Infomobility are presented.

Funding by European Commission is considered, with particular reference to multimedia and telematics for Cultural Heritage. Special consideration is given to the new EC Plan HORIZON 2020.

Initiatives regarding the "know-how" transfer from Research Organizations to the Industrial Sector are described.

Organizations and Companies present their activities and experiences.

Invited Speakers:

- *Andrea Arnone, Pro-Rettore al Trasferimento Tecnologico e
Presidente di CsaVRI, Università degli Studi di Firenze*
- *Laura Castellani, Responsabile del Settore Infrastrutture e
Tecnologie per lo Sviluppo della Società dell'Informazione,
Regione Toscana*

Speakers include:

- *Renzo Zampini, INFOCAMERE*
- *Stefano Cinquini and Giovanni Gasbarrone, TELECOM ITALIA*
- *Paola Castellacci, VARGROUP*
- *Daniele Corsini, CABEL*
- *Riccardo Bruschi and Luca Bencini, T.T. Tecnosistemi, Prato*
- *Francesca Gemma, Aracne editrice int.le, Roma*
- *Gianpiero Alfarano, DESIGN CAMPUS, Calenzano, Firenze*
- *Gianluca Vannuccini, Servizio Sviluppo Infrastrutture Tecnologiche,
Comune di Firenze*
- *Pietro Tanzini, Comune di Bucine, Arezzo*
- *Massimo Canalicchio, Finanziariamente and Incubatore
Universitario Fiorentino, Firenze*
- *Andrea del Re, Studio Legale Del Re - Sandrucci, Firenze*
- *Franco Guidi, NEUMUS, Firenze*
- *Carlo U. Quinterio Brentano, Philip Mazzei Association, Firenze*
- *Alessandra Scappini, SINCREISIS, Empoli, Firenze*
- *Simonetta Bracciali, STUDIO BRACCIALI, Firenze*

3 - SPECIAL EVENT

Wednesday, 11 May 19,30 – 21,30

*Visit to Opera Medicea Laurenziana
Piazza San Lorenzo, 9, Florence*

(in cooperation with Antica Compagnia del Paiolo)

with “Light Dinner”

4 – ART - TECHNICAL EXHIBITION

Thursday, 12 May: 10,00 – 17,00

ROOM B

For information on the Exhibition:

CENTRICA S.r.l.

Piazza della Madonna della Neve, 5 - 50122 Firenze - Italy

Tel.: (+39) 055 24 66 802 – Fax: (+39) 055 20 09 785

E-mail: info@evaflorence.it Web pages ~ <http://www.evaflorence.it/home.php>

NEXT EVA EVENTS

23-24 June 2016

EVA 2016 SAINT PETERSBURG

Website: <http://evaspb.ifmo.ru>

11-14 July 2016

EVA 2016 LONDON

Website: <http://www.eva-london.org>

9-11 November 2016

EVA 2016 BERLIN

Website: <http://www.eva-berlin.de>

Electronic Imaging & the Visual Arts

EVA 2016 Florence

Conference, Workshops, Meetings & Exhibition

11-12 May 2016

REGISTRATION

Dr/Mr/Mrs/Ms:.....	Surname:.....	
First Name:.....	Job:.....	
Title:.....	Address:.....	
Post Code:.....	Country:.....	
Tel.:.....	Fax:.....	
Email:.....		
Principal Activity of your Organisation (tick one only)		
Commercial <input type="checkbox"/>	Government <input type="checkbox"/>	Academic/Library/Museum <input type="checkbox"/>
Signature:.....		Date:.....

Please use tick boxes

	Morning	Afternoon
Wednesday 11:	<input type="checkbox"/> Workshop Innovation and Enterprise (In Italian – Innovazione e Impresa)	<input type="checkbox"/> Conference Sessions <input type="checkbox"/> Reception
Thursday 12:	<input type="checkbox"/> International Forum on “CULTURE & TECHNOLOGY” <input type="checkbox"/> Conference Session	<input type="checkbox"/> Conference Sessions

The participation to all the Events is free.

This Registration Form is to be sent by E-mail to:

Prof. Vito Cappellini

E-mail: vito.cappellini@unifi.it