PROGRAM

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. Technology and Art Exhibitions are promoted.

Main Topics

- ❖ 2D 3D Digital Image Acquisition
- Leading Edge Applications: Galleries, Libraries, 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: Documentation, Access, Guides & Other Services
- ❖ The Impact of New Mobile Communications on Cultural Heritage and Modern Arts Area
- Cloud Networks
- Semantic Webs
- Ontology Systems
- Human Computer Interaction for Cultural Heritage Applications
- Copyright Protection (Watermarking & Electronic Commerce)
- Cybersecurity
- Culture and e-government
- ❖ Activities and Programmes for *e-learning*
- ❖ Digital TV and films
- ❖ 3D Developments and Applications in the Cultural Heritage Area
- Virtual Galleries and Exhibitions
- Digital Music
- Digital Theatre
- Cultural Tourism & Travel Applications
- Impact of Culture in the Smart City
- 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, Databases, 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,

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CENTRO PER LA COMUNICAZIONE E L'INTEGRAZIONE DEI MEDIA,

ISTITUTO DI FISICA APPLICATA "NELLO CARRARA" – C.N.R.

CONFINDUSTRIA FIRENZE,

GTTI – GRUPPO ITALIANO TELECOMUNICAZIONI E TEORIA DELL'INFORMAZIONE,

CNIT – CONSORZIO NAZIONALE INTERUNIVERSITARIO PER LE TELECOMUNICAZIONI,

GRUPPO SESA,

T.T. TECNOSISTEMI,

FRATELLI ALINARI IDEA,

CENTRICA,

NEUMUS.

VIDITRUST,

VIRTUITALY,

INN-3D,

CONSERVATORIO DI MUSICA LUIGI CHERUBINI,

ICESP - INTERNATIONAL CENTER FOR SIGNAL AND IMAGE PROCESSING,

FONDAZIONE CR DI FIRENZE,

ASSOCIAZIONE BENI ITALIANI PATRIMONIO MONDIALE UNESCO

Co-Chairmen: Vito Cappellini, Enrico del Re – Florence University

vito.cappellini@unifi.it enrico.delre@unifi.it

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Carlo Francini, Comune di Firenze, Florence, Italy

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For information on the Exhibitions:

CENTRICA S.r.l.

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PROGRAM - PLANNING

Wednesday, 9 May

9,30 – 13,00	WORKSHOP	p. 11
14,15 – 15,30	OPENING OF CONFERENCE	p. 12
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Thursday, 10 May

9,30 – 11,45	INTERNATIONAL FORUM ON "CULTURE & TECHNOLOGY"	p. 15
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10,00 – 18,00	ART EXHIBITION	p. 19

Venue: Hotel Pierre

Via De' Lamberti, 5 - 50123 Firenze

Tel. +39 055 216218 Fax +39 055 2396573

E-mail: pierre@remarhotel.com http://www.hotel-pierre-florence.com/

Special reservations for rooms are provided (please use code EVA18)

WORKSHOP

ROOM A

WORKSHOP

INNOVATION AND ENTERPRISE - INNOVAZIONE E IMPRESA

(Italian Language)

9.30 - 13.00

Chairman: Enrico Bocci, Vice-Presidente Confindustria Firenze, Firenze

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 EC Plan HORIZON 2020.

Initiatives regarding the "know-how" transfer from Research Organizations to the Industrial Sector are described, in particular to create Start-Ups and new Enterprises.

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
- Paola Castellacci, VAR GROUP

Speakers include:

- Stefano Cinquini, TELECOM ITALIA - Renzo Zampini, INFOCAMERE
- Andrea Calistri, SAPAF Srl, Firenze
- Riccardo Bruschi and Luca Bencini, T.T. TECNOSISTEMI, Prato - Andrea Sbandati, CISPEL, Confservizi TOSCANA, Firenze
- Gianluca Vannuccini, Servizio Sviluppo Infrastrutture Tecnologiche, Comune di Firenze. Firenze
- Francesco Mati, Piante MATI, Pistoia
- Claudio Tasselli, Qu.In. Srl, Calenzano, Firenze
- Franco Guidi, NEUMUS, Firenze
- Massimo Canalicchio, Mentor Incubatore di Firenze, Firenze
- Marco Cappellini, CENTRICA Srl, Firenze

Closing:

- Cecilia Del Re, Assessore Sviluppo Economico,

Comune di Firenze, Firenze

13,00 Lunch Break

ROOM A

CONFERENCE

Wednesday, 9 May

Chairmen: Vito Cappellini, University of Florence

Enrico Del Re, University of Florence

14,15 Opening: James Hemsley,

EVA Conferences International

Enrico Vicario,

Director of Department of Information Engineering -

University of Florence

Gabriele Gori,

General Director Fondazione 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

"Interactive Image Reconstruction from its Incomplete, Irregular and Imprecise

Fragments"

Bahar Taşkesen¹, A G Constantinides²

¹Middle East Technical University, Turkey

² Imperial College London, U.K.

"At the Intersection of Art, Architecture and Archaeology: 3D Virtualization and

Contemporary Heritage"

Herbert D. G. Maschner¹,

Victor Manuel Lòpez-Menchero Bendicho¹, Miguel Ángel Hervás Herrera², Jeffrey Du Vernay¹, Aurelia Lureau^{1,3}, James Bart McLeod¹

¹Global Digital Heritage, St Petersburg,

Florida, U.S.A.

² Baraka Arqueólogos SL, Ciudad Real, Spain ³Université Paris – Panthéon-Sorbonne, France

"Is three better than two?

A study on EEG activity and imagination

abilities in 2D vs 3D stimuli"

Claudio Lucchiari, Maria Elide Vanutelli, Raffaella Folgieri

Department of Philosophy, Università degli Studi di Milano,

Milan, Italy

"A Scientific Method for the Attribution of Paintings with application to Leonardo's Mona Lisa twins" J. F. Asmus¹, Vadim Parfenov²

¹Department of Physics & Center for Advanced Nanotechnology, University of California, CA, U.S.A. ²Department of Quantum Electronics and Opto-

Electronic Devices, Saint Petersburg

Electrotechnical University Saint Petersburg, Russia

"Use of Multimedia and Virtual Reality Technologies to Represent Russian Cultural Heritage" Nikolay Borisov^{1,2}, Artem Smolin^{2,1}, Vera Slobodyanuk^{1,2}

¹Dept. of Information Systems for Arts and Humanities, Saint Petersburg State University ²Dept. of Graphic Technologies, Center for Design

and Multimedia, ITMO University

Saint Petersburg, Russia

ROOM A

17,15 SESSION 2 – NEW SCIENCE AND CULTURE DEVELOPMENTS & APPLICATIONS

Chairman: Edoardo Calia, Istituto Superiore Mario Boella (ISMB), Torino, Italy

"Homo Technologicus comes of Age:

An Ongoing Evolution"

Giuseppe O. Longo University of Trieste Trieste, Italy

"Cognitive stages in rational thinking - toward

human technology"

Mika Laakkonen Faculty of Social Science, University of Lapland Lapland, Finland

"A new Compact VNIR Hyperspectral Imaging System for Non-Invasive Analysis in the FineArt and Architecture Fields"

M. Picollo¹, A. Casini¹, C. Cucci¹, J. Jussila², M. Poggesi¹, L. Stefani¹

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

² SPECIM, Spectral Imaging Ltd.

Oulu, Finland

"The place of inspiration of the Flemish Triptych by Rogier van der Weyden. A contribution of the *landscape busting* to one of the *vexata quaestio* of the Sicilian history"

R. Franco Società Italiana di Geologia Ambientale Gangi, Italy

"The Cultural Heritage of tomorrow: should we put a limit to the influence that new technologies have on culture and design?" Gianpiero Alfarano, Erika Lascialfari DESIGN CAMPUS, University of Florence Calenzano - Florence, Italy

"The use of the intelligent cutting guide PERSEUS during Total Knee Replacement" Lawrence Camarda¹,
Antonio D'Arienzo¹,
Michele D'Arienzo¹

Orthopaedic and Traumatology Department,
University of Palermo
Palermo, Italy

Thursday, 10 May

ROOM A

9,30 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, regarding Culture and Technology.

- Cooperation Groups
- Proposed Projects
- Funding Opportunities
- European Commission Plans

Opening:

Speakers Include:

- Eugenio Giani, President Consiglio Regionale, Regione Toscana, Italy
- Cristina Acidini, President Accademia delle Arti del Disegno, Florence, Italy
- Edoardo Calia, Research Director, Istituto Superiore Mario Boella, Turin, Italy
- Alberto Del Bimbo, Director Centro per la Comunicazione e l'Integrazione dei Media, University of Florence, Florence, Italy
- Veronica Elena Bocci.

Coordinator DITECFER, Pistoia, Italy

- David Feldman, Vice President,

THE MONA LISA FOUNDATION, Zurich,

Switzerland

- Monica Carfagni, Full Professor of Industrial Engineering, University of Florence, Florence, Italy
- Carlo Francini, Florence Municipality, Florence, Italy
- Paolo Zampini, Director of Conservatorio di Musica Luigi Cherubini, Florence, Italy
- Emiliano Degl'Innocenti, DARIAH-IT National Coordinator, Consiglio Nazionale delle Ricerche, Italy
- Francesco Bellini, University of Rome "La Sapienza" and Research Director of EUROKLEIS. Rome, Italy
- Francesca Gemma, Aracne editrice int.le, Rome, Italy
- Giovanni Gasbarrone, CIU Confederazione Unione delle Professioni Intellettuali, Responsabile Lazio, Italy

11,45 Coffee Break

12.00 SESSION 3 – NEW TECHNICAL DEVELOPMENTS & APPLICATIONS

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

"Latest Innovation on Capturing Historical Photographic Ethereogenous Material:

The Alinari Experience"

Andrea De Polo Saibanti Fratelli Alinari IDEA SpA

Florence, Italy

"International Standardization of FTV"

Masayuki Tanimoto

Nagoya University and Nagoya Industrial Science

Research Institute Nagoya, Japan

"4D Ray-Space and Ultra-Wide Area FTV"

Masayuki Tanimoto¹, Hirokuni Kurokawa²
¹Nagoya Industrial Science Research Institute,

Nagoya, Japan ²University of Aizu Aizu Wakamatsu, Japan

"Digital innovation & Technological explosion

The New Challenges of the Security

Management"

Franco Guidi, Giancarlo Caroti

Neumus SrL Florence, Italy

"New Trends of 3D Technologies and

Copyright Protection"

Vito Cappellini¹, Francesca Uccheddu²
¹University of Florence and INN-3D

Italy

²INN-3D and Department of Industrial Engineering-

University of Florence and INN-3D Srl

Italy

13,15 Lunch Break

ROOM A

14,40 SESSION 4 – CULTURAL ACTIVITIES – REAL AND VIRTUAL

GALLERIES AND RELATED INITIATIVES

Chairman: Jeanette Zwingenberger, Université Paris 1 Panthéon-Sorbonne,

Paris, France

"Museo Nazionale del Bargello" Ilaria Ciseri

Museo Nazionale del Bargello

Florence, Italy

"Resisting a Total Loss of Digital Heritage Web 2.0 - Archiving & Bridging Thesaurus

for Media Art Histories"

Oliver Grau

Department for Image Science,

Danube University Krems, Austria

"The extraordinary role of the imaging techniques in the conservation and valorization of Cultural Heritage"

Mauro Matteini ICVBC - C.N.R. Florence, Italy

"Technology and theatrical tradition in art exhibitions: "Earlier Mona Lisa" in Shanghai" Jean Paul Carradori, Qing Li Shanghai International Interior Design Festival

Europe area

"Renaissance Experience: Florence and Uffizi"

Marco Cappellini, Paolo De Rocco,

Paolo Romoli

Centrica Srl. Murate Idea Park

Florence, Italy

"Smarticon: A Digital Eco-System for Cultural Heritage. Iconographic Convergences in Art and in World Religious"

Sara Penco

Start up "Sapere Project"

Rome, Italy

"Some Reflections & Questions on Emerging Forms of Digital Photo-Libraries"

James R. Hemsley Birkbeck College London, U.K.

"Contemporary Art Creation and Exhibitions"

Paola Imposimato Studio Creazioni di Design e Arti Grafiche e

Pittoriche, Florence, Italy

16,40 Coffee Break

ROOM A

16,55 SESSION 5 - ACCESS TO THE CULTURE INFORMATION Chairman: James Hemsley, EVA Conferences International, U.K.

"Creative perception, decoding of hidden images, contextualisation and interactive learning process"

Jeanette Zwingenberger Université Paris 1 Panthéon-Sorbonne Paris, France

Maureen Burns¹, Andreas Knab²

¹Archivision Associate & IMAGinED Consulting

"Instant Architecture: Hosted Access to the Archivision Research Library with Built-In Image Management &

Los Angeles, U.S.A. ²Owner vrcHost LLC

Miami, Florida, U.S.A.

Presentation Tools"

"Maximizing Metadata: Embedded

Metadata Tools"

Marcia Focht

Department of Art History, Binghamton University Binghamton, New York, U.S.A

"Il Piccolo Masaccio e le Terre Nuove. Creativity and Computer Graphics for Museum Edutainment" Valentina Zucchi¹, Antonella Guidazzoli², Giovanni Bellavia², Daniele De Luca², Maria Chiara Liguori², Francesca Delli Ponti², Federica Farroni², Beatrice Chiavarini²

¹Museo Terre Nuove San Giovanni Valdarno, Italy

²Cineca Bologna, Italy

"Canals, Cities, Museums, Libraries & Photography: A Reconnaissance Study of

Regent's Canal, London"

Graham Diprose¹, Christina Hemsley², James R. Hemsley³

¹Photographer, Author & Lecturer

London, U.K

²Digital Consultant & Photographer

London, U.K ³Birkbeck College London, U.K.

"3D Visualization: Revealing Imagery Space by Technological Parameter"

Nina Sosna Department of Visual Anthropology, Institute of Philosophy Moscow, Russia

"A Techno Social Collaborative Platform to Manage Optimize and Crowdfund Cultural Heritage Initiatives" F. Spadoni¹, F. Tariffi², R. Rossi¹, S. Lusso² ¹Rigel Engineering S.r.l. Livorno, Italy ²Space S.p.A. Prato, Italy

SPECIAL EVENT

Wednesday, 9 May: 19,00 - 22,00

Visit to Art Collection of FONDAZIONE CR FIRENZE

EXHIBITION

ROOM B

Wednesday 9 May: 11,00 - 18,00

TECHNICAL EXHIBITION

Augmented Virtual Reality Projects-Realizations and 3D Digital Technologies will be presented with Technical Demonstrations.

Documentation on TECHNICAL EXHIBITION will be available.

Thursday 10 May: 10,00 – 18,00

ART EXHIBITION

Organizer and Coordinator: Riccardo Saldarelli, Presidente della Sezione Artisti della ANTICA COMPAGNIA DEL PAIOLO (Presidente Anna Bini)

Riccardo Saldarelli has given very important Contributions to "Digital Art", since 1970. He will present many of his Paintings, regarding in particular "Digital Art" Creations, by using large Digital Displays. Also Giusy Celeste and Jannette Rutsche will present their "Digital Art" Works.

Paintings of other Artists will be also shown.

At 16,30 Franco Samoggia (Sezione Scienze), introduced by Riccardo Saldarelli, will present his Book "IL VIZIO DI LAVORARE", making also reference to a special Medal - created by Riccardo Saldarelli – which has travelled on a "Spacecraft".

Documentation on ART EXHIBITION will be available.

 $For \ information \ on \ the \ EXHIBITION:$

CENTRICA S.r.l.

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

Events Organization: INN-3D Srl, Empoli (FI)

Official Television TVL Spa Pistoia

NEXT EVA EVENT

9-12 July 2018

EVA London 2018

Web Site: http://www.eva-london.org