

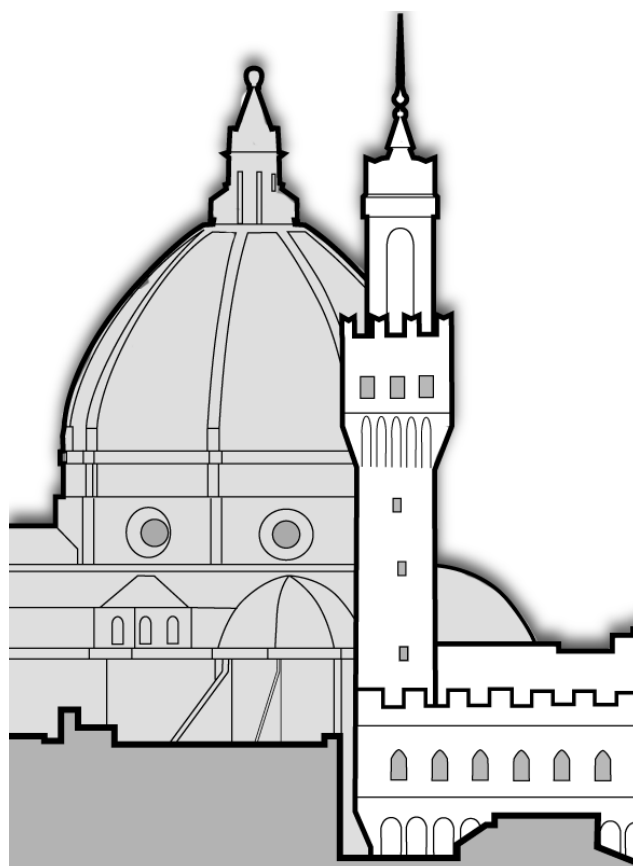
Electronic Imaging & the Visual Arts

EVA 2020 Florence

VIDEO – CONFERENCE

20 July 2020

PROGRAM



Palazzo del Pegaso

CONSIGLIO REGIONALE DELLA TOSCANA

Electronic Imaging & the Visual Arts

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

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, history and other Culture Activities. Working Groups and new Projects are promoted. Scientific and technical demonstrations are presented. Technology and Art Exhibitions are promoted.

Main Topics

- ❖ European Commission Projects and Plans regarding Cultural Heritage
- ❖ Mediterranean Initiatives in Technology for Cultural Heritage: Synergy with European & International Programmes
- ❖ 2D – 3D Digital Image Acquisition
- ❖ Art – Works Restoration (physical and digital technologies)
- ❖ Leading Edge Applications: Galleries, Libraries, Archaeological Sites, Museums & Historical Tours
- ❖ 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
- ❖ Secure Electronic Commerce (Anticounterfeiting)
- ❖ Cybersecurity
- ❖ Culture and *e-government*
- ❖ Activities and Programmes for *e-learning*
- ❖ Digital TV and films
- ❖ 3D Developments and Applications in the Cultural Heritage Area
- ❖ Augmented Virtual Reality for Culture
- ❖ Virtual Galleries and Exhibitions
- ❖ Digital Art
- ❖ Digital Music
- ❖ Digital Theatre
- ❖ Fashion
- ❖ Cultural Tourism & Travel Applications
- ❖ Impact of Culture in the Smart City
- ❖ Art and Medicine
- ❖ Climate Change
- ❖ New Technologies for Environment Protection

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

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INN-3D,
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ICESP – INTERNATIONAL CENTER FOR SIGNAL AND IMAGE PROCESSING,
ASSOCIAZIONE BENI ITALIANI PATRIMONIO MONDIALE

EVA 2020 Florence Organizer: Vito Cappellini
Co-Chairmen: Vito Cappellini, Enrico del Re – Florence University
vito.cappellini@unifi.it enrico.delre@unifi.it

ADVISORY BOARD

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jrhemsley6@gmail.com

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With the Cooperation of ANTICA COMPAGNIA DEL PAIOLO (President Anna Bini)

For general information:

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Consiglio Regionale



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Sesa s.p.a

CONFERENCE

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

10,20 *Opening:* Eugenio Giani,
President of Consiglio Regionale della Toscana

10,40 **SESSION 1 – STRATEGIC ISSUES**

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

“The Digital Renaissance
from da Vinci to Turing”

Jonathan P. Bowen¹
Tula Giannini²,
¹London South Bank University,
London, U.K.
²Pratt Institute,
New York, USA

“Channeling Artwork Content
for Visually Impaired People”

F. Auricchio³, V. Cantoni¹, G. Caserta²,
L. Lombardi¹, S. Marconi³, M. Mosconi¹, R. Nour¹,
A. Pietrabissa³, M. Pini⁴, A. Setti¹
¹Computer Vision and Multimedia Lab. (CVML),
University of Pavia, Pavia, Italy
²Writer, Italy
3D4MED, IRCSS Policlinico San Matteo,
University of Pavia,
Pavia, Italy
⁴CIM,
University of Pavia
Pavia, Italy

"A New Principle for Next-Generation
FTV"

Masayuki Tanimoto¹, Hirokuni Kurokawa²
¹Nagoya Industrial Science Research Institute,
Nagoya, Japan
²University of Aizu,
Aizu Wakamatsu, Japan

“Mixing Realities for Heritage and Health:
L’inframince between the real and the
virtual”

Dew Harrison
University of Wolverhampton,
Faculty of Arts,
Wolverhampton, U.K.

“Integrating Multimedia Collections”

N.V. Borisov, V.V. Zakharkina,
I.A. Mbogo, P.P. Shcherbakov
St. Petersburg University,
University Embankment,
St. Petersburg, Russia

11,55 **SESSION 2 – NEW SCIENCE AND CULTURE DEVELOPMENTS & APPLICATIONS**

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

“A Real-time Virtual Collection Creator for the I-Media-Cities audiovisual platform”

Antonella Guidazzoli, Beatrice Chiavarini,
Silvano Imboden, Daniele De Luca,
Margherita Montanari, Maria Chiara Liguori,
Simona Caraceni
VisitLab Cineca,
Bologna, Italy

“The Transcendence of Visual Music: Creating Images in the Mind & Brain”

Terry Trickett
International Liaison,
EVA London Committee
London, U.K.

“NEMOSINE: Innovative packaging solutions for storage and conservation of 20th century cultural heritage of artefacts based on cellulose derivate”

Andrea De Polo Saibanti
Florence, Italy

“The FARFALLA Project: Mobile Devices for Traditional Agriculture”

G. Benelli, S. Parrino, A. Pozzebon
Department of Information Engineering
and Mathematics,
University of Siena,
Siena, Italy

12,45 – 13,10

COVID - 19

and

INTERNATIONAL EVA NETWORK

Vito Cappellini
“Emeritus” Professor
University of Florence
Florence, Italy

14,10

SESSION 3 – NEW TECHNICAL DEVELOPMENTS & APPLICATIONS

Chairman:

Enrico Del Re, University of Florence, Florence, Italy

“The Spirit of the Cloud
A virtual experience as a manifestation
of ‘The New Jerusalem’”

Moshe Caine, Doron Altaratz
Hadassah Academic College,
Jerusalem, Israel

“Based On Trust! – Cultural Heritage
and Virtual Representation”

Andreas Bienert,
Staatliche Museen zu Berlin –
Preußischer Berlin, Germany

“Between Technical Realization and Creative
Process: A Berlin Pioneer Project Supporting
Artistic Augmented Reality Applications”

Maja Stark M.A., André Selmanagić M.Sc.,
Leonid Barsht B.Sc., Denise Bischof B. Sc.,
Dagmar Schürerer B.A., Elisabeth Thielen M.Sc.
Research Group INKA / Project AURORA,
University of Applied Sciences (HTW)
Berlin, Germany

“3D Digital Models for Surgery
Applications”

Francesca Uccheddu
Department of Industrial Engineering,
University of Florence,
Florence, Italy

“Decoding Digital Curation for Cultural
Heritage: A Survey On The Current
Frameworks Through Linkages Between
Digital Technologies, Preservation Actions
And Semantic Challenges”

Tugce Karatas
Computer Science Department
University of Torino,
Turin, Italy

“Through the Aleph: A Glimpse of the
World in Real Time”

Jing Zhou
Department of Art and Design,
Monmouth University
New Jersey, U.S.A.

“Augmented Sculptures of No era”

Nina Sosna
Higher School of Economics,
Institute of Philosophy, Russian Academy of
Sciences,
Moscow, Russia

15,25

SESSION 4 – CULTURAL ACTIVITIES – REAL AND VIRTUAL GALLERIES AND RELATED INITIATIVES

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

“The heritage of digital information and the genetic code of the work of art: an ecosystem for Cultural Heritage projected towards a planetary humanism”

Sara Penco
Sipal Penco S.r.l. and Smarticon Project,
Turin-Rome
Italy

“Visualisations of the Planning and Building States of Early Bern Minster”

Dominik Lengyel, Catherine Toulouse
BTU University of Technology Cottbus-
Senftenberg,
Cottbus, Germany

“Arts and Cultural Districts:
Towards a New Paradigm”

Filippo Queirolo
Da Vinci Foundation,
Organising Committee,
Florence, Italy.

“Integrating Interactive Technology
with Museum Experiences”

Chandler Hummingbird¹, Robert Pickering²,
J C Diaz¹
¹Tandy School of Computer Science,
University of Tulsa,
Oklahoma, U.S.A.
²Department of Anthropology,
University of Tulsa,
Tulsa, Oklahoma, U.S.A.

“Who/What is Telling This Story?
Chatbots and Digital Narratives
in Museums”

Valentina Vavassori
Department of Digital Humanities,
King’s College London,
London, U.K.

16,25

SESSION 5 – ACCESS TO THE CULTURE INFORMATION

Chairman: Enrico Del Re, University of Florence, Florence, University

“Virtual Galleries: New Trends
and Perspectives”

Marco Cappellini, Paolo De Rocco,
Paolo Romoli
CENTRICA S.r.l. and VIRTUITALY S.r.l.,
Florence, Italy

“PAGODE – Europeana China”

Valentina Bachi¹, Antonella Fresa²
¹PHOTOCONSORTIUM,
²Promoter S.r.l.,
Pisa, Italy

“Migration Archives in the Educational
Procedure: Recovering Voices of the
Marginalized in the Knowledge Society”

Triantafillia Kourtoumi
The General State Archives of Greece,
The International University of Greece,
The Hellenic Open University,
Thessaloniki, Greece

“REACH Project: RE- designing Access to
Cultural Heritage for a wider participation
in preservation, (re-) use and management
of European Culture”

Francesca Melani¹, Antonella Fresa²
¹Gogate S.r.l.,
²Promoter S.r.l.,
Pisa, Italy