

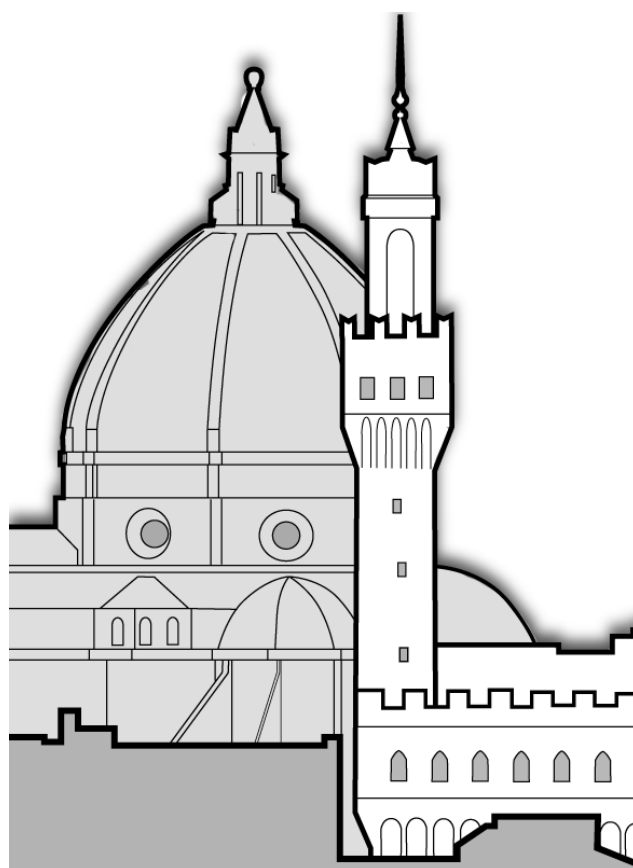
**Electronic Imaging & the Visual Arts**

# **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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AND PARTNERS**

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VIRTUITALY,  
INN-3D,  
CONSERVATORIO DI MUSICA LUIGI CHERUBINI,  
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](mailto:vito.cappellini@unifi.it)   [enrico.delre@unifi.it](mailto:enrico.delre@unifi.it)

## ADVISORY BOARD

**President: James Hemsley, EVA Conferences International**  
[jrhemsley6@gmail.com](mailto:jrhemsley6@gmail.com)

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Virginio Cantoni, Computer Vision and Multimedia Laboratory, Pavia University

Cooperation with Regional Council of Tuscany: Rosanna Romellano  
[r.romellano@consiglio.regione.toscana.it](mailto:r.romellano@consiglio.regione.toscana.it)

### **EVA 2020 Florence Technical Organizing Committee includes:**

Antonella Castaldi, Roberto Caldelli, Alessandro Piva, Francesca Uccheddu,  
Alessandro Nozzoli, Giuseppina Maria Celeste, Riccardo Saldarelli,  
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*With the Cooperation of ANTICA COMPAGNIA DEL PAIOLO (President Anna Bini)*

*For general information:*

Dipartimento di Ingegneria dell'Informazione (DINFO) –

Università di Firenze

Via di Santa Marta, 3

50139 Firenze Italy

Tel.: (+39) 055 2758548 - Fax: (+39) 055 2758570

E.mail: [vito.cappellini@unifi.it](mailto:vito.cappellini@unifi.it)

Web page ~ <https://lesc.dinfo.unifi.it/sites/default/files/Documenti/EVA-2020.pdf>

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DELL'INFORMAZIONE

**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. Bowen<sup>1</sup>  
Tula Giannini<sup>2</sup>,  
<sup>1</sup>London South Bank University,  
London, U.K.  
<sup>2</sup>Pratt Institute,  
New York, USA

“Channeling Artwork Content  
for Visually Impaired People”

F. Auricchio<sup>3</sup>, V. Cantoni<sup>1</sup>, G. Caserta<sup>2</sup>,  
L. Lombardi<sup>1</sup>, S. Marconi<sup>3</sup>, M. Mosconi<sup>1</sup>, R. Nour<sup>1</sup>,  
A. Pietrabissa<sup>3</sup>, M. Pini<sup>4</sup>, A. Setti<sup>1</sup>  
<sup>1</sup>Computer Vision and Multimedia Lab. (CVML),  
University of Pavia, Pavia, Italy  
<sup>2</sup>Writer, Italy  
3D4MED, IRCSS Policlinico San Matteo,  
University of Pavia,  
Pavia, Italy  
<sup>4</sup>CIM,  
University of Pavia  
Pavia, Italy

“A New Principle for Next-Generation  
FTV”

Masayuki Tanimoto<sup>1</sup>, Hirokuni Kurokawa<sup>2</sup>  
<sup>1</sup>Nagoya Industrial Science Research Institute,  
Nagoya, Japan  
<sup>2</sup>University 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*

“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.

“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

**C O V I D – 1 9**  
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

“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

“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 Hummingbird<sup>1</sup>, Robert Pickering<sup>2</sup>,  
J C Diaz<sup>1</sup>  
<sup>1</sup>Tandy School of Computer Science,  
University of Tulsa,  
Oklahoma, U.S.A.  
<sup>2</sup>Department 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 Bachi<sup>1</sup>, Antonella Fresa<sup>2</sup>  
<sup>1</sup>PHOTOCONSORTIUM,  
<sup>2</sup>Promoter 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 Melani<sup>1</sup>, Antonella Fresa<sup>2</sup>  
<sup>1</sup>Gogate S.r.l.,  
<sup>2</sup>Promoter S.r.l.,  
Pisa, Italy