



EVA 2016 SAINT PETERSBURG

Electronic Imaging & the Visual Arts

**XIX International Joint Conference
“Internet and Modern Society” (IMS-2016)**


INTERNATIONAL CONFERENCE

St. PETERSBURG, JUNE 23rd–24th, 2016

Conference Program



ITMO UNIVERSITY



St. Petersburg
2016

**ITMO University & The State Russian Museum
June 23th and June 24th 2016 from 10 a.m. to 18 p.m.
St. Petersburg, Inzhenernaya str., 8**

**DAY I
June 23, 2016**

9-45 – 10-15 Registration process

10-15 – 10-30 Opening Session

Organizing Committee Members Welcome

**10-30 – 11-45 Digital Resources of Museums and Museum
Communications**

Chairmen: Elena Gaevskaya (Saint Petersburg State University)
Jürgen Sieck (Research Group INKA HTW Berlin &
NUST Windhoek, Berlin)

Elena Gaevskaya, Olga Babina
The State Russian Museum, Saint Petersburg State University, St.
Petersburg, Russia

Virtual Branch of Russian Museum at Saint Petersburg State University:
First Decade of Cooperation

Olga Babina
The State Russian Museum, St. Petersburg, Russia

Multimedia as a Conduit into the Art World for Museum Visitors

Daria Hookk, Alexander Nikitin, T. Kharitonova, S. Hermon
State Hermitage Museum, Saint Petersburg State University of
Aerospace Instrumentation,
St. Petersburg, Russia

Problem definition for emotional balance in control loop of a real-virtual
continuum

Prof. Michael A. Herzog, Jens Wunderling
Magdeburg-Stendal University of Applied Sciences, Germany

Context Driven Content Presentation for Exhibition Places
Three Interaction Scenarios Designed for Museums

11-45 – 12-00 Coffee Break

**12-00 – 14-00 Videoconference Session St. Petersburg, ITMO
University – London, Ravensbourne (RAVE)**

Chairmen: Nikolay Borisov (St. Petersburg, ITMO University)
Nick Lambert (London, Ravensbourne)

Welcome to St. Petersburg & ITMO University
Welcome to London & Royal Greenwich Borough & RAVE
Introduction to June 23 Session

Reports from London, speakers: James Hemsley, Jeremy Gardiner,
James Morris

Jürgen Sieck, Jens Reinhardt, Michael Thiele-Maas
Research Group INKA HTW Berlin & NUST Windhoek
Berlin, Germany

Virtual Concert Hall - An Immersive Experience at the Konzerthaus
Berlin

Aleksey Kolesov, Evgenia Tumanova
The Bonch-Bruевич Saint - Petersburg State University of
Telecommunications
St. Petersburg, Russia

Beginnings of 3DTV in Russia

Nikolay Borisov, Artem Smolin, Pavel Shcherbakov, Aleksandr Tokarev
ITMO University, St. Petersburg State University, St. Petersburg, Russia

The Virtual Reality Technology and the Montage of ‘videos 360°’ as
Modern Approaches to the Presentation of Cultural Events

Anna Buali
Museum and exhibition Association "Manege", Moscow, Russia

Russian digital art in XXI century. New Paradigm of Conservation

14-00 – 15-00 Lunch

15-00 – 17-00 Digital Cultural Heritage and Virtual Museums

Chairman: Pavel Shcherbakov (ITMO University, St. Petersburg State
University)

Yulia Petrova
Saint Petersburg State University, St. Petersburg, Russia

Visual Image of Virtual Museum

Elena Mazaletskaya
Yaroslavl State University, Yaroslavl, Russia

Presentation of the Cultural Heritage in the Modern Educational Field

Nadezhda Povroznik
Perm State National Research University, Perm, Russia

Typology of Virtual Museums and their Potential for Providing
Information for Historical Sciences

Galina Shapovalova
State University of Economics and Service, Vladivostok, Russia

Global Information Society: Digital Heritage

**17-00 – 18-00 Excursion around Multimedia Center of the Russian
Museum**

19-00 – 21-00 Conference Party

**DAY II
June 24, 2016**

10-00 - 11-45 3D Reconstructions and Virtual Reality

Chairmen: Artem Smolin (ITMO University)
Jacques Rebiere (Laboratoire de Conservation,
Restauration et Recherches)

Jacques Rebiere, Vasiliy Trushin
Laboratoire de Conservation, Restauration et Recherches
France, ITMO University, St. Petersburg, Russia
P. Arnaud (In memoriam), N. Borisov, L. Chambaud, P. Couesnon, E.
Jacquot, F. Mielcarek, J. Peral,, G. Perazio, A.Smolin, S. Valcke

Digitalization of Whaling Stationing Kerguelen's Island 3Dd-4D

Denis Zherebyatiev, A. Malyshev, V. Moor, S. Koroleva
Moscow State University, Moscow, Russia

Anthropogenic Landscapes of Abrau Peninsula in Ancient Times

Maxim Mironenko
Moscow State University, Moscow, Russia

Science-based Virtual 3D Reconstructions of Lost Objects of Historical
and Cultural heritage: the Chudov Monastery and its Evolution

Elena Akulaeva, L. Sopronenko, A. Lavrov
ITMO University

Technologies of immersion in virtual reality using for the evaluation of
different color solutions for refractory 3D-reconstruction

11-45 – 12-00 Coffee Break

**12-00 – 15-00 Videoconference Session St. Petersburg, ITMO
University – London, LSBU**

Chairmen: Nikolay Borisov (St. Petersburg, ITMO University)
Lizzie Jackson (London, LSBU)

Welcome to St. Petersburg & ITMO University
Welcome to London, Southwark Borough, and LSBU
Introduction to June 24 Session

Reports from London, speakers: Lizzie Jackson, Siobhan Thomas,
Robert Thomas

Olga Chepurova, Yury Didevich
The New Stage of Alexandrinsky Theatre, St. Petersburg, Russia

Video 360: When the theatre comes. The edge between art and
technology

Sergey Stafeev, Elena Bobritskaya
ITMO University

Advanced Digital Holography: ‘Magic of Light’

Nikolay Borisov, Pavel Shcherbakov, Artem Smolin, Vasiliy Trushin
ITMO University, St. Petersburg State University, St. Petersburg, Russia

Design of Interactive Virtual Environments. Interactive Virtual 4D Tour
of Korela Fortress

Nikolay Borisov, Valentina Zakharkina, Irina Mbogo, Dmitry Prokudin
ITMO University, Saint Petersburg State University, St. Petersburg,
Russia

New International Online Multimedia Journal “International Culture and
Technology Studies”

Luca Matteo Boulard, M. Gavelli, E. Baccaglioni, P. Vergori, R.
Scopigno
Multi-Layer Wireless Solutions, Istituto Superiore Mario Boella, Torino,
Italy

Good Practices for Populating a CDVS Database for Archaeological
Sites and Museums

15-00 – 16-00 Lunch

16-00 – 17-30 New Technology for Culture and Arts

Chairman: Valentina Zakharkina (Saint Petersburg State University,
ITMO University)

Valentina Zakharkina
Saint Petersburg State University, ITMO University, St. Petersburg,
Russia

Responsive Web Interfaces: Problems and Solutions

Alexey Polyakov, O. Karpenya, A. Efremov, V.Letkov
CEO Triaxes Vision LLC, Kaliningrad, Russia

3D 360 Museum Tour at Smartphones and Autostereoscopic Displays

Artem Andreev
ITMO University, St. Petersburg, Russia

Omnidirectional Extender for Plenoptic Camera Concept

Iuliia Bezbakh, Aleksandr Mezhenin
ITMO University, St. Petersburg, Russia

Evaluation of the Results of Computer Simulation of Lighting with
Lighting Engineering Design

Ekaterina Sysoeva
ITMO University, St. Petersburg, Russia

Discussion of Actuality of the International Virtual Museum of
Industrial Design Creation. The Role of the Museum in the Cultural
Heritage Preservation and Design Education