

- 14:10** sMapshot – a Historical GPS in the Crowd
Nicole Graf, ETH Zürich, ETH Library, Switzerland
- 14:30** Deep-learning Based Intuitive Hand-gesture Interface for Virtual Reality Applications
Mykyta Kovalenko, Paul Chojecki, Ingo Feldmann & David Przewozny, Fraunhofer Heinrich Hertz Institute HHI, Germany
- 14:50** Coffee break (30')
Ludwig-van-Beethoven-Saal

SESSION 5: STORYTELLING

Chair: *Johann Habakuk Israel, HTW Berlin*

- 15:20** Virtual Object Shaping The City: Imaginary Undergrounds In Russia
Daria Radchenko, Moscow School of Social and Economic Science, Russia
- 15:40** Telling History in Stories
Jörg Engster, die Informationsgesellschaft.com, Germany
- 16:00** Giving Relevance to Indigenous Proverbs in Contemporary Societies
Victor Omolaoye & Heike Winschiers-Theophilus, Namibia University of Science and Technology, Namibia
- 16:20** Conclusion
*Christian Kassung, Humboldt-Universität zu Berlin
Jürgen Sieck, HTW Berlin & NUST Namibia*
- 16:30** End of Conference

About the Conference

The "Culture and Computer Science" conference series brings into focus best practice examples, challenges and future trends in the fields of Augmented, Mixed and Virtual Reality, hybrid systems, 3D technology, data collection and management, media integration, modelling, visualisation and interaction. The conference targets employees of cultural and creative industries, communication scientists, cultural and artistic actors as well as computer scientists and engineers, who conduct research and development on cultural topics.

With our 17th International Conference on Culture and Computer Science 2019, we want to address the multifaced bridges between Virtual History and Augmented Reality.

The presentations will discuss the following key topics:

- Hybrid systems
- Augmented, Mixed and Virtual Reality
- Best practice Augmented, Mixed or Virtual Reality applications
- Analogue and digital exhibition design
- Collections – Exploitation, design, exhibition and conveyance
- Crowd Sourcing technology and applications
- Influence of art and culture on future developments
- Intuitive usage of media systems
- Interdependence between culture and computer science
- Simulation
- Ethics in culture and computer science

Conference Venue

Konzerthaus Berlin (Ludwig-van-Beethoven-Saal)
Gendarmenmarkt
10117 Berlin
Germany

XVII. Culture and Computer Science
VIRTUAL HISTORY & AUGMENTED PRESENT
May 23rd – 24th, 2019



Photo: Pablo Castagnola



Programme

DAY 1 – MAY 23RD 2019

09:00 Registration and Coffee

Ludwig-van-Beethoven-Saal

10:00 Opening

*Christian Kassung, Humboldt-Universität zu Berlin
Jürgen Sieck, HTW Berlin & NUST Namibia*

10:10 Culture, Computer Science & Innovation

Carsten Busch, President of the HTW Berlin

SESSION 1: RESEARCH IN RECONSTRUCTION

Chair: *Erika Holter, Humboldt-Universität zu Berlin*

10:20 KEYNOTE

Digitisation of Archaeology. Review, Critique, and Aspiration

Nicolo Dell'Unto, Lund University, Sweden

11:00 Distant Reading at the Roman Funeral Eulogy

Christopher Johanson & Benjamin Niedzielski, University of California, Los Angeles, USA

11:30 Ancient Remains from the Roman Istanbul: A Transmutation from Stone to Digital

Giorgio Verdiani, Ylenia Ricci & Andrea Pasquali, Department of Architecture, Florence University, Italy

12:00 Lunch break (90')

Musikclub (Basement)

SESSION 2: SENSORIAL NARRATIVES

Chair: *Sebastian Schwesinger, Humboldt-Universität zu Berlin*

13:30 Making the Absent Present: Virtual Remapping of Jerusalem's Past in the Interactive Documentary "Jerusalem, We Are Here"

Anna Wiehl, University of Bayreuth, Germany

13:50 Mobile Interactive Storytelling in the Athens Ancient Agora: Exploring the Right Balance between the Site and the App

*Akrivi Katifori, National and Kapodistrian University of Athens & Athena Research Center, Greece
Irene Kaklopoulou & Maria Roussou, National and Kapodistrian University of Athens, Greece*

14:10 Virtual History – Forum Romanum

Sylvius Lack & Beate Hetényi, Filmuniversity Babelsberg Konrad Wolf, Germany

14:30 Wadi Al Helo VR – Visiting a Cultural Heritage Site

*Pablo Dornhege, Studio 105106.net/Universität der Künste Berlin, Germany
Zlatan Filipovic, American University Sharjah, College of Architecture, Art and Design, Sharjah
Felix Beck, New York University Abu Dhabi, Lab for Narrative Technologies and Spatial Installations, Abu Dhabi*

14:50 Combining Visualization of World Heritage and Applied Research

Ralf Schäfer, Martin Papirowski, Johanna Leissner, Oliver Schreer & Christian Weißig, Fraunhofer Heinrich Hertz Institute HHI, Germany

15:10 Coffee break and Hands On (110')

Ludwig-van-Beethoven-Saal

HANDS-ON-SESSION

Wadi Al Helo VR – Visiting a Cultural Heritage Site

Pablo Dornhege, Studio 105106.net/Universität der Künste Berlin, Germany

AURORA School for ARTists

Banz & Bowinkel, Bianca Kennedy, Felix Kraus, Phyllis Lambert, Dani Ploeger, Theresa Reiwier, Ulrike Schmitz, Dagmar Schürrer, HTW Berlin

The Digital Exhibition at the Konzerthaus Berlin – Cultural Participation through Digitalisation

Michael Droste, HTW Berlin & Annette Thoma, Konzerthaus Berlin

Namibian Living Books

*Detlef Pfeifer, Goethe Institut Windhoek, Namibia
Jürgen Sieck, Erich Godenschweig, Meshake Mwinga & Dan Carmel Ntwari, HTW Berlin & NUST Windhoek, Namibia*

SmartSquare (Smart Culture in Smart Cities)

Jens Bley, eCultureLab@HCU – c/o CityScienceLab, HafenCity University, Hamburg, Germany

17:00 EVENING LECTURE

Musikclub (Basement)

17:30 From Ruins to Glory: The Recreation of Ancient Greece in Assassin's Creed Odyssey

Stéphanie-Anne Ruatta & Jonathan Dumont, Ubisoft Canada

19:00 Evening Reception

Musikclub (Basement)

DAY 2 – MAY 24TH 2019

09:30 Registration and Coffee

Ludwig-van-Beethoven-Saal

10:00 Opening

*Christian Kassung, Humboldt-Universität zu Berlin
Jürgen Sieck, HTW Berlin & NUST Namibia*

SESSION 3: AUGMENTED REALITY & 3D

Chair: *Maja Stark, HTW Berlin*

10:05 KEYNOTE

The Future of Classical Music: Does 3D Sound Return the "Soul" to Music?

Stephan Frucht, Siemens Arts Program, Germany

10:45 Gleisdreieck Online – An Interactive WebGIS System for Exploring Berlin's Industrial Heritage

*Jens-Martin Loebel, bitGilde IT Solutions UG, Germany
Nico Kupfer, Berliner Zentrum Industriekultur, Germany*

11:10 MauAR – Berlin Wall in AR

Peter Kolski & Markus Abel, MauAR, Germany

11:35 Arrested Space – Virtual Reality as Representation of Expressionism Concepts of the Visual World

Sławomir Nikiel, University of Zielona Góra, Poland

12:00 Lunch break (90')

Musikclub (Basement)

SESSION 4: DIGITALISATION AND TECHNOLOGY

Chair: *Michael A. Herzog, Magdeburg-Stendal University of Applied Sciences*

13:30 Managing Large Sets of Multidisciplinary Research Data Using 3D Models of Cultural Heritage Objects and Augmented Reality – Case Study of King's Chinese Cabinet in Wilanów

*Piotr Siekański & Robert Sitnik, Warsaw University of Technology, Poland
Eryk Bunsch & Anna Guzowska, Museum of King Jan III's Palace at Wilanów, Poland*

13:50 Development of AR Applications with Different Technologies – A Case Study and Comparison

Denise Bischof, Julien Letellier & Jürgen Sieck, HTW Berlin (University of Applied Sciences), Germany