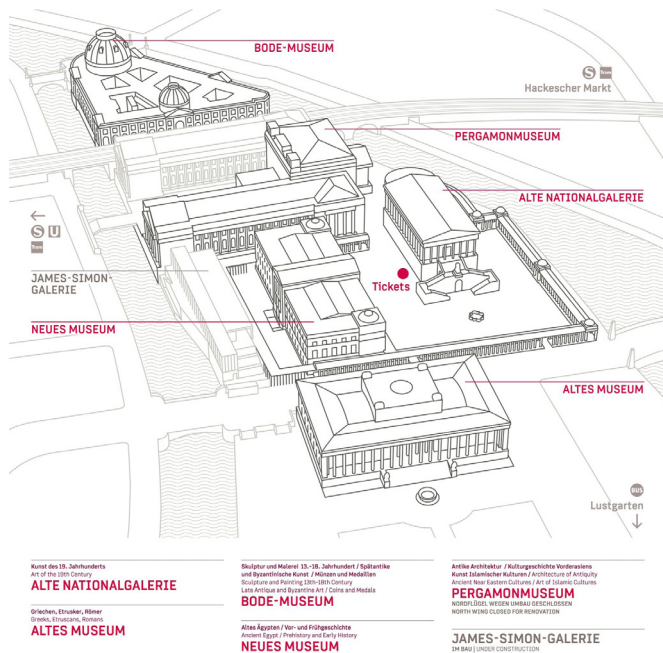## About the Venue

The conference will take place at the Bode Museum, a historic building on Berlin's museum island. The museum is home to several collections of antique and medieval works of art. Attendants of the conference will find several more museums close at hand.

The conference venue can be easily reached through public transport. Friedrichstraße station (S 5, S7, S75, U6 and M1) and Hackescher Markt station (S 5, S 7, S75) are both about 600 m away.

We strongly suggest that you arrive by public transport or by taxi, as parking lots in this area allow short-time parking only.

The conference dinner will be held at the International Club at the Federal Foreign Office. Due to security regulations for the building, visitors are required to bring their passport or ID card.

ALTE NATIONALGALERIE
Kunst des 19. Jahrhunderts
Art of the 19th Century

BODE-MUSEUM
Skulptur und Malerei 13.–18. Jahrhundert / Spätantike und Byzantinische Kunst / Münzen und Medaillen
Sculpture and Painting 13th–18th Century
Late Antique and Byzantine Art / Coins and Medals

PERGAMONMUSEUM
Antike Architektur / Kulturgeschichte Vorderasiens
Kunst Islamischer Kulturen / Architecture of Antiquity
Ancient Near Eastern Cultures / Art of Islamic Cultures
NORDFLÜGEL WEGEN UMBAU GESCHLOSSEN
NORTH WING CLOSED FOR RENOVATION

ALTES MUSEUM
Griechen, Etrusker, Römer
Greeks, Etruscans, Romans

NEUES MUSEUM
Altes Ägypten / Vor- und Frühgeschichte
Ancient Egypt / Prehistory and Early History

JAMES-SIMON-GALERIE
IM BAU | UNDER CONSTRUCTION

About the Conference

The 12th edition of the "Culture and Computer Science" conference series brings into focus best practice examples, challenges, and future trends in the fields of modelling, visualisation and interaction. The conference targets cultural policy makers, people from the 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.

The presentations will discuss the following key topics:

- General conditions of cultural politics,
- Interdependence between culture and computer science,
- Influence of art and culture on future developments
- The media-compatible treatment and enhancement of information,
- Intuitive usage of media systems,
- Ethics in culture and computer science.

These items shall primarily be analysed, demonstrated and discussed through best-practice examples for cultural and creative industries.

Further information about the conference and the venue can be found at

http://inka.htw-berlin.de/kui/

Scientific Directors

Regina Franken-Wendelstorf   HTW Berlin
Elisabeth Lindinger   HTW Berlin
Jürgen Sieck   HTW Berlin

Organisation Committee

Marco Kuhn   HTW Berlin
Julia Heisig   HTW Berlin
Karin Schmidl   Berlin State Museums

CULTURE AND COMPUTER SCIENCE

REALITY AND VIRTUALITY

MAY 22–23, 2014

**BODE MUSEUM
MUSEUM ISLAND BERLIN**

Day 1 | Thursday, May 22nd, 2014

[10:00]	**REGISTRATION**

[10:30] **Opening**
Matthias Knaut   HTW Berlin
Jürgen Sieck   HTW Berlin
Erich Zielinski   Alcatel-Lucent Stiftung

I. VIRTUAL HUMANS, VIRTUAL WORLDS

Chair: Stefan Weinzierl   TU Berlin
[10:50] **Keynote:** Virtual Humans:
Bridging the gap between people and machines
Bill Swartout   University of Southern California
[11:35] Web-based and mobile provisioning of virtual
3d-reconstructions
Jan Klimke, Benjamin Hagedorn,
Matthias Trapp, Jürgen Döllner
University of Potsdam, HPI
[12:00] Simulation of concert halls' room acoustic
characteristics toward sustainability of their
cultural heritage
Mojtaba Navvab   University of Michigan
Gunnar Heilmann, Andy Meyer   GFal Tech GmbH

[12:25]	**LUNCH BREAK**

II. 3D & HERITAGE

Chair: Carsten Busch   HTW Berlin
[13:40] **Keynote:** Harnessing photogrammetry to create
alternative views in Heritage
Jonathan Roberts, Bangor University
[14:25] MuPris: Museum of sarcophagi at the catacombs
of Priscilla in Rome
Laura Pecchioli   University of Heidelberg
Giorgio Verdiani, Mirco Pucci   Florence University
Barbara Mazzei   Pontificia Commissione di
Archeologia Sacra, Rome
[14:50] Virtual Varna: Cultural Dimensions
Vera Boneva   University of Library Studies and
Information Technologies Sofia

[15:15]	**COFFEE BREAK**

III. AUGMENTED REALITY

Chair: Sarala Krishnamurthy   Polytechnic of Namibia
[15:35] The AR Book Project: Collection of augmented reality
application of Balinese artistic and cultural objects
Made Windu Antara Kesiman
Ganesha University of Education
[16:00] Augmented Reality for the Documentation of Cultural
Heritage Building Modeling in Bali, Indonesia
I Gede Mahendra Darmawiguna
Ganesha University of Education
[16:25] Answering the Challenge and Harnessing the Future for
Heritage: A Comprehensive Approach for Implementing
Augmented or Mediated Reality Solutions
Omer Breiner, Yaara Dromi, Nadav Sagir, Matija Ravitz
REVOLV AR, Tel Aviv/Ljubljana

[17:15] **GUIDED MUSEUM TOURS**

[19:00]	**CONFERENCE DINNER**
	International Club of the Federal Foreign Office

Day 2 | Friday, May 23rd, 2014

[10:00]	**REGISTRATION**

[10:15] **Opening**
Jürgen Sieck   HTW Berlin

IV. ARCHAEOLOGY AND CULTURE

Chair: Christian Kassung, Humboldt University Berlin
[10:20] **Keynote:** Past worlds – Physically or virtually
preserved? A challenge for East Asian Archaeology
Mayke Wagner   DAI Berlin
[11:05] Persuasive Computing: An African Cultural Experience
in Namibia
Hippolyte E. Muyingi
Polytechnic of Namibia

[11:30]	**COFFEE BREAK**

V. DIGITAL AND PHYSICAL

Chair: Michael Herzog
University of Applied Sciences Magdeburg Stendal
[11:55] Library of Birmingham – Where digital meets physical
Rebecca Bartlett   Library of Birmingham
Andy Hartwell   Substrakt
[12:20] Surveil and calculate
Katharina Spiel   Bauhaus University Weimar

[12:45]	**LUNCH BREAK**

VI. VIDEO & ANIMATION

Chair: Erich Zielinski   Alcatel Lucent Stiftung
[14:00] **Keynote:** Interactive Streaming of Live Events
Ralf Schäfer   Fraunhofer Heinrich Hertz Institute
[14:45] Looking behind the curtains: An interactive theatric
shadow play
Stephan Bergemann, Julien Letellier, Erik Lippmann,
Jens Reinhardt, Jürgen Sieck, Stefan Schöbinger
HTW Berlin
[15:10] Extended senses in responsive environments –
An artistic research project on atmosphere
Christiane Heibach, Andreas Simon, Jan-Lewe Torpus
Academy for Research in Art and Design Basel

[15:35]	**COFFEE BREAK**

VII. MULTIMEDIA GUIDES

Chair: Uwe Großmann, Dortmund University of
Applied Sciences and Arts
[16:00] Multimedia guide for the Odessa Museum
of Modern Art
Svetlana G. Antoschuk, Vladimir G. Brovkov,
A. V. Misyun Odessa Polytechnic University
[16:25] Source material and information in history,
implemented in a smartphone app
Gudrun Görlitz, Christian Schölzel, Alexander Vollmar
Beuth University of Applied Sciences Berlin
[16:50] Access everywhere: From talking buildings to
digital overlays
Jessica Taylor, Sam Billington
Antenna International

[17:15]	**CONCLUSION**