<20th European Maya Conference/>
<The Maya in a Digital World/>
<8 – 13 December 2015, Bonn, Germany/>

Workshop

Tuesday, 8 December 2015 (*Akademisches Kunstmuseum*, Am Hofgarten 21)

15.00 – 15.30   Welcome Address

15.30 – 17:30   Introductory Lecture
                     Speaker: Marc Zender (Tulane University, New Orleans)

17.30 – 19.00   Welcome Reception

Wednesday-Friday, 09 – 11 December 2015

09.00 – 12:30   Workshop Sessions

14.00 – 18.00   Workshop Sessions

                     Workshops

                     Workshop 1: *Introduction to Maya Writing*
                     Tutors: **Christian Prager** (University of Bonn)
                                    Ramzy Barrois (École du Louvre, Paris)
                                    Céline Tamignaux (Free University Brussels)

                     Workshop 2: *In the Heart of the Maya World: 800 Years of Dynastic History of Tikal, Guatemala*
                     Tutors: **Nikolai Grube** (University of Bonn)
                                    Dmitri Beliaev (Russian State University for the Humanities, Moscow)
                                    Carlos Pallán Gayol (University of Bonn)

                     Workshop 3: *Abbreviation Conventions of Classic Maya Writing*
                     Tutors: **Marc Zender** (Tulane University, New Orleans)
                                    Alfonso Lacadena García Gallo (Universidad Complutense, Madrid)
                                    Albert Davletshin (Russian State University for the Humanities, Moscow)

                     Workshop 4: *From Silver Chloride to Bits and Bytes: Digital Documentation Methods*
                     Tutors: **Alexandre Tokovinine** (Peabody Museum, Harvard University, Boston)
                                    Sven Gronemeyer (University of Bonn & La Trobe University)
                                    Elisabeth Wagner (University of Bonn)

18.00 – 20.30   Welcome Reception

Programme: Opening of Exhibition and presentation of the current archaeological projects of the Department for the Anthropology of the Americas

Symposium[1]

Saturday, 12 December 2015

9.00 – 9.30   Welcome Address

9.30 – 10.30   Session 1

Applications of Geospatial Information Systems in Maya Research

Jennifer von Schwerin • **Markus Reindel** (Commission for Archaeology of Non-European Cultures, German Archaeological Institute, Bonn)
MayaArch3D: A 3D-WebGIS for the Documentation and Analysis of Complex Archaeological Sites

Laura Stelson (University of Bonn) • **George Bruseker** (FORTH Institute of Computer Science, Greece)
A Public Database and Digital Research Tool for Maya Iconography

10.30 – 11.00   Coffee

11.00 – 12.30   Session 2

Digital Survey Techniques and Remote Sensing

Christophe Helmke (University of Copenhagen) • Claire E. Ebert (Pennsylvania State University) • **Jaime Awe** (Northern Arizona University) • **Julie Hoggarth** (Baylor University)
The Lay of the Land: Mapping an Ancient Maya Kingdom in West-Central Belize

Marco Block-Berlitz (University of Applied Sciences, Dresden) • **Benjamin Ducke** (German Archaeological Institute, Berlin) • **Estela Martinez Mora** (INAH) • **Peter Kroefges** (Universidad Autonoma de San Luis Potosi, Mexico) • **Raul Rojas** (FU Berlin) • **Paulina Suchowska-Ducke** (Adam Mickiewicz University Poznań)
Low-cost and efficient, UAV-based 3D videogrammetry in Tamtoc/Mexico

Chance Coughenour • **Dieter Fritsch** (University of Stuttgart) • **Nikolai Grube** • **Kai Delvendahl** • **Juan Aguilar** (University of Bonn)
New Frontiers in Archaeological Investigation at Uxul: The Integration of Terrestrial Laser Scanning and Photogrammetry from Moveable Objects to Architectural Groups

12.30 – 14.00   Lunch

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[1] The time schedule and the organisation of sessions is still subject to change!

14.00 – 15.00   Session 3

Digital Reconstruction and 3D-Modelling of architecture

Laura Gilabert Sansalvador • **Andrea Peiró Vitoria** (Universidad Politécnica de Valencia) • **Andrea Aliperta** (University of Florence)
Técnicas digitales de levantamiento arquitectónico aplicadas en el área maya

Wiesław Koszkul • **Jarosław Źrałka** • **Bogumił Pilarski** •**Bolesław Zych** (Jagiellonian University Cracow, Archeo-Explorers Company)
Studying Pre-Columbian and Colonial Maya: Application of 3D scanning in the documentation of Lowland and Highland Maya architecture and artefacts

15:00 – 15.30   Afternoon Tea

15:30 – 17.00   Session 4

Digital Techniques in Documenting Archaeological Artifacts

Megan E. O'Neil • **Charlotte End** • **John Hirx** • **Diana Magaloni Kerpel** • **Yosi Pozeilov** • **Frank Preusser** (Los Angeles County Museum of Art)
The Inside Story: Examining Maya Vessels with Digital Tools at LACMA

Terence L. Winemiller (Auburn University, Montgomery) • **Virginia Ochoa-Winemiller** (New Jersey City University)
Prehistoric Clay Artifacts: Using Laser 3D Technology to Understand Production and Standardization in Ancient Mesoamerica

Ethical Dimensions of Digital Heritage

Mary Clarke (Boston University)
The Digital Dilemma: Preservation and the Digital Archaeological Record

17.00 – 17.30   Refreshments

17.30 – 18.30   Session 5

Digital Documentation and Analysis of the Hieroglyphic Record

Carlos Pallan (University of Bonn) • **Milan Kováč** (Comenius University, Bratislava)
Documenting Uaxactún's Corpus of Hieroglyphic Monuments with State-of-the-art 3D and RTI Technologies: Advanced Online Visualisation Tools for Epigraphic and Iconographic Analysis

Barbara Fash • **Alexandre Tokovinine** (Peabody Museum, Harvard University)
Pixels, Vectors, Polygons: Going Digital at the Corpus of Maya Hieroglyphic Inscriptions

9.30 – 10.30   Session 1

Approaches and Research Tools to Building Databases and Dictionaries of Classic Maya and Mesoamerican Writing Systems

Daniel Gatica-Perez (Idiap and Ecole Polytechnique Federale de Lausanne)
Looking at Hieroglyphs: Computational Methods for Visual Analysis in the MAAYA project

Erik Boot (Independent Scholar) • **Joel Skidmore** (Precolumbian Art Research Institute)
The Future of the Maya Past in Writ: Digitizing the Classic Maya Word, a Multi-Platform Project

10.30 – 11.00   Coffee

11.00 – 12.30   Session 2

Harri Kettunen (Helsinki University)
Corpus Epigraphy: Implications and Applications

Ignacio Cases (Stanford University) • **Alfonso Lacadena** (Universidad Complutense, Madrid) •
Christopher D. Manning (Stanford University)
Computational Approaches to Maya Writing

Nikolai Grube • **Christian Prager** • **Elisabeth Wagner** • **Katja Diederichs** (University of Bonn) •
Sven Gronemeyer (University of Bonn & La Trobe University, Melbourne) • **Maximilian Brodhun** •
Franziska Diehr (SUB Göttingen)
Digital Epigraphy: The Text Database and Dictionary of Classic Mayan Project

12.30 – 14.00   Lunch

14.00 – 15.30   Session 3

Digital Corpus-Building and Tools for Analysing Mayan Languages

Frauke Sachse (University of Bonn) • **Michael Dürr** (Free University Berlin) • **Christian Klingler**
(University of Bonn)
A Tool for Systematic Annotation of Colonial K'iche': Solutions for Digital Corpus-Building of Mayan Languages

Danny Law (University of Texas at Austin)
Computational phylogenetics, expert judgments, and Mayan language history

Lolmay Pedro García Matzar (Universidad Maya Kaqchikel)
Explotando la Tecnología para el estudio de los Idiomas Mayas

15:30 – 16.00   Afternoon Tea

16:00 – 17.30   Session 4

The Application of Digital Methods in the Reconstruction of Ancient and Colonial Maya History

Alexandre Safronov (Lomonosov University Moscow)
Classic Maya Political Geography in GIS reconstructions

Carl D. Callaway (La Trobe University, Melbourne) • **Paul Johnson** (Independent Researcher)
Lost Then Found: The Digital Reconstruction of the Palenque House E Painted Text

Allen Christenson (Brigham Young University, Provo)
The Academic, Social, and Political Ramifications of the Popol Vuh-Digitization Project

17.30   Closing Ceremony