Welcome to this year’s DLA

Wednesday, May 22

**Lyceum**
Schwabestraße 3, Marmorsaal (Gebäude 01, Raum 114), 06846 Dessau

09.00 - 10.00  DLA Registration - Please sign up for the workshops
10.00 - 17.00 Optional one day hands-on workshop

**Workshop on DIGITAL GEODESIGN SYNTHESIS**
State-of-the-art Geodesign case study on urban development
Prof. Dr. Carl Steinitz, CASA/UCL and Harvard University, United States
Dr. Michele Campagna, University di Cagliari, Italy et al
see separate description for prerequisites

**Room 004**
Gebäude 8, Bauhausstr. 05 · 06846 Dessau

10.00 - 17.00 Begin of optional integrated five day DLA Summer School Exploration in VISUAL IMPACT ASSESSMENT (3 credits ECTS)

Prof. Dr. James F. Palmer, T. J. Boyle Associates, Burlington, United States
Prof. Erich Buhmann, Anhalt University, Germany et al
see separate description for prerequisites

**BAUHAUS AUDITORIUM and CANTEEN**
Gropiusallee 38, 06846 Dessau

16.00 - 18.00  DLA Registration in the foyer of the Bauhaus Auditorium - Please sign up for the workshops

18.00 - 21.00  **Public Lecture Bauhaus and Landscape Architecture**
English/Deutsch - simultaneous translation
Anhalt University in cooperation with BDLA

**Public Keynote**
Prof. Dr. Sonja Dümpelmann, Harvard University, United States
The Bauhaus Out-of-Doors: Landscape Architecture, the Avant-garde, and Its Legacy in 20th-Century Germany

**Moderation**
Dr. Jörg Rekittke, Leibniz University Hanover, Germany

**Music**
Susanne Haase, Saxophone, Leipzig

**Welcome Addresses**
Dr. Werner Möller, Dessau Bauhaus Foundation, Germany
Prof. Dr. Jörg Bagdahn, President Anhalt University, Germany
Prof. Fritz Auweck, Chairman International Affairs BDLA and IFLA Delegate BAK (Federal Chamber of German Architects)
Prof. Heinz W. Hallmann, Landschaftsarchitekt BDLA Aachen, Germany
Matthias Därr, Chamber of Architects, Saxony Anhalt, Germany

19.00 - 19.30  Panel with above-named guests
The Bauhaus and its Relevance in the Digital Age

19.30 - 21.00  Reception with International Student Band of Anhalt University

Registration for 4 days or for single events or integrated DLA Summer School and further information at www.dla-conference.com
contact loel.dla@hs-anhalt.de
Thursday, May 23

**BAUHAUS AUDITORIUM and CANTEEN** Gropiusallee 38, 06846 Dessau

08.00 - 09.00  
**DLA Registration in the foyer of the Bauhaus Aula - Please sign up for the workshops**

09.00 - 09.15  
Welcoming address by Prof. Dr. Elena Kashtanova, Dean, Department of Agriculture, Anhalt University

09.15 - 10.00  
**Opening Keynote**  
Prof. Kathryn Moore, Immediate Past President of the International Federation of Landscape Architects (IFLA) and Professor of Landscape Architecture at Birmingham City University, United Kingdom  
**Moderation**  
Prof. Dr. Matthias Pietsch, Anhalt University, Germany

10.00 - 10.30  
Coffee

10.30 - 12.00  
**Session 1**  
**Landscape: Informed by Science, Shaped by Design**  
Prof. Aidan Ackerman, ESF Syracuse, N.Y., United States  
**Moderation**  
Dr. Stephen Ervin, Harvard University and Dr. Jürg Rekittke, Leibniz University, Hanover, Germany

12.00 - 13.00  
Lunch

13.00 - 14.00  
**Session 2**  
**Analog and Digital Landscape Architecture**  
Prof. Dr. Carl Steinitz, CASA/UCL and Harvard University, United States  
**Moderation**  
Dr. Jürg Rekittke, Leibniz University Hanover, Germany

14.00 - 15.30  
**Parallel lecture**  
Dr. Agnès Patuano, University of Edinburgh, United Kingdom  
**Investigating Landscape Preference Using Fractal Geometry**  
Dr. Madeline Brown, University of Florida United States  
**ILAS: Intrinsic Landscape Assessment System for Landscape Design and Planning in the National Capital Region**  
Marcel Bilurbina, Sergi Abellan, Marilena Christodoulou, AELAND, Spain  
**Landscape Design Methodology: Pattern Formation Through the Use of Cellular Automata**  
Tianyi Zhao, Southeast University, Nanjing, China  
**Researching on the Tidal Flooding Through the Coastal Simulation: Developing Potential Managed Realignment Areas of Humber Estuary in England**

14.00 - 15.30  
Parallel 1.5 hour workshop:  
**WS 2A: Lands Design: landscaping design tools for Rhino** – Francesc Salla a. Anna Villafañe, Asuni, Barcelona, Spain

15.30 - 16.00  
Coffee  
**Please hand in your food preference for the Friday conference dinner**

16.00 - 17.30  
**Parallel lecture**  
**Session 3: Presentations on the theme Geodesign**  
Dr Michele Campagna, Università di Cagliari, Italy  
**Dr. Jürg Rekittke, Leibniz University Hanover and Philip Paar, Laubwerk, Berlin, Germany**  
**Experience of a Genuine Geodesign Act**  
Timothy Murtha, Luwei Wang, University of Florida, United States  
**Historical Analysis of Land Use Change and Geodesign of Rapid Urbanization: Orlando, Florida, USA**  
Prof. Brian Orland, University of Georgia, United States  
**Improving our Global Infrastructure: The International Geodesign Collaboration**  
Zihao Zhang, University of Virginia, United States (via Video and Internet)  
**The Future of Artificial Intelligence (AI) and Machine Learning (ML) in Landscape Design: A Case Study in Coastal Virginia, US**

16.00 - 17.30  
Parallel 1.5 hour workshop:  
**WS 3: Augmented Reality for Landscape Design** – Prof. Dr. Matthias Pietsch, Daeyong Kim, Mathias Feimer, Susanne Raabe, Anhalt University, Germany

19.00 - 20.00  
**Public Keynote**  
Prof. Dr. Mike Batty, CASA, The Bartlett, University College London, United Kingdom  
**Networks in Design: Resolving Conflicts and Reaching for Optimality in City Planning**  
Sairah Badar, Anhalt University, Germany

20.00  
Reception in Bauhaus canteen with World Melange from Bernburg

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**Dessau May 22-25, 2019**  
20th International Conference on Information Technologies in Landscape Architecture
Friday, May 24 Focus: BIM IN LANDSCAPE ARCHITECTURE

Audimax and Room 005  Gebäude 8, Bauhausstr. 05 · 06846 Dessau

09.00 - 10.00  
**Keynote**  
Prof. Sarah Williams, MIT School of Architecture and Planning, United States

Data|Action: Build It! Hack it! Share It  
English/Deutsch - simultaneous translation

**Moderation**  
Prof. Dr. Rudolf Lückmann, Vice President Anhalt University, Germany

10.00 - 10.30  
Coffee break  
Expo, Poster Exhibition

10.30 - 12.00  
**Parallel lecture**

**Session 4**  
**Moderation**  
Prof. Dr. Andreas Thon, Hochschule Geisenheim University, Germany

**Audimax**  
Aleander Peters, Hochschule Geisenheim University, Germany

Best Practises and First Steps of Implementing BIM in Landscape Architecture and its Reflection of Necessary Workflows and Working Processes

Matthias Funk, Scape, Germany

How to BIM - Workflows in Landscape Architecture

Dr. rer. nat. Johannes Gnädinger, PSU Munich, Germany

The BIM Lifecycle in Environmental and Landscape Planning

10.30 - 12.00  
**Parallel lecture**

**Session 5**  
**Moderation**  
Prof. Brian Orland, University of Georgia, United States

Dr. David L. Tulloch, Rutgers University, United States

Geohealth Meets Geodesign: The Multidisciplinary Challenges of Informing the Regional Design Studio with Human Health Research

Günter Gruber, RSA iSPACE Salzburg, Austria

Indicator-based Landscape Assessment Matrix for Defining Land Use Priority Zones in the Salzburg FUA

Thomas Machl, Technische Universität München TUM, Germany

Planning Agricultural Core Road Networks based on a Digital Twin of the Cultivated Landscape

Dr. Siqing Chen, The University of Melbourne, Australia

Spatial Aggregation and Renewable Energy Landscape Planning: A Case Study in Victoria

12.00 - 13.00  
Lunch, Expo

Dessau Campus Map

Source: Anhalt University
Friday, May 24 (cont.)

13:00 - 14.30  Parallel lecture
Session 4 (cont) BIM for Landscape – Future Development
Moderation Prof. Dr. Stephen Ervin, Harvard University, United States
         Mike Shilton, Landscape Institute, United Kingdom
Audimax Digital Transformation in Landscape Design using BIM Processes
         Dr. Andreas Carstens, Esri
         BIM & GIS - new dimensions of improved collaboration for infrastructure and environment
         Eric Gilbey PLA ASLA. Vectorworks
         Using Landscape BIM to Meet Site Design Requirements

13:00 - 14.30  Parallel lecture
Session 6 Point Cloud Applications in Landscape Architecture
Moderation Prof. Pia Fricker, Aalto University, Finland
Room 005 Preparing 3D Point Clouds as Stimuli for Landscape Preference Studies: Lessons Learned
         Jozef Sedláček, Radim Klepárník, Mendel University, Czech Republic
         Testing Dense Point Clouds from UAV Surveys for Landscape Visualizations
         Drew Hill, Utah State University, United States
         How Virtual Reality Impacts the Landscape Architecture Design Process during the Phases of Analysis and
         Concept Development at the Master Planning Scale
         Verena Vogler, Bauhaus University Weimar, Germany
         High-Resolution Underwater 3D Monitoring Methods to Reconstruct Artificial Coral Reefs in the Bali Sea: A
         Case Study of an Artificial Reef Prototype in Gili Trawangan

13:00 - 14.30  Hands-on Workshops (parallel)
DIB Room E-46 WS 4A: Workshop Landscape Architecture and BIM – Dr. Ilona Brückner Hochschule Osnabrück (German)
         WS 5A: BIM – Workshop with Vectorworks – Achim Hoffman-Brüning COMBRIÖ
         Pool 1 - Geb 7 WS 6: Digital Workflows for 3D planning in landscape architecture – Esri

14.30 - 15.00  Coffee Break, Expo – Please hand in your vote on the posters

15.00 - 16.30  Parallel lecture
Session 7 Algorithmic Landscapes
Moderation Dr. Ulrike Wissen Hayek, ETH Zurich, Switzerland
Room 005 Computational Terrain Modeling with Distance Functions for Large Scale Landscape Design
         S. Elf Serdar, Istanbul Technical University, Turkey
         Generative Landscape Modeling in Urban Open Space Design: An Experimental Approach
         Prof. Pia Fricker, Aalto University, Finland
         Structuralism: Patterns of Interaction Computational Design Thinking across Scales
         Philipp R.W. Urec, Swiss Federal Institute of Technology, Switzerland
         Point-Cloud Modeling: Exploring a Site-Specific Approach for Landscape Design

15.00 - 16.30  Hands-on Workshops (parallel)
DIB Room E-46 WS 4B: Workshop Landscape Architecture and BIM – Dr. Ilona Brückner, Hochschule Osnabrück (English)
         Room 004 WS 5B: BIM – Workshop with Vectorworks – Achim Hoffman-Brüning COMBRIÖ, Germany

16.30 - 17.00  Final Panel Discussion on
         Future of BIM in Landscape Architecture

17.00 - 18.30  Guided Bauhaus Tour with Jeanne Colgan

19:30 - 22.30  Conference Dinner at Kornhaus Dessau: DLA Awards, Bernburg Jazz Ensemble JAZZONANZ

Please see our vendors at the Expo, Foyer Gebäude 8

Anhalt University with Master of Landscape Architecture MLA and Online-Master Geoinformationssysteme (beMasterGIS), Asuni, BDLA,
Esri Deutschland, Landscape Institute, Laubwerk, Vectorworks, VirtualcitySYSTEMS a.o.
Saturday, May 25

Audimax, Room 005  Gebäude 8, Bauhausstr. 05 · 06846 Dessau

09.00 - 09.40  Keynote
Prof. Dr. Mintai Kim, Virginia Tech, United States
Geodesign: Common Language of Design and Planning Teaching and Research
Moderation
Ruben Joye, University College Ghent, Belgium

09:40 – (... 10.00)  3-minute presentations - Presentation of winning posters

10.00 - 10.30  Coffee

10.30 - 12.00  Parallel lectures
Session 8: Augmented Reality (AR), Virtual Reality (VR) and Immersive Displays in Landscape Design
Moderation
Prof. Dr. James F. Palmer, T. J. Boyle Associates, Burlington, United States
The Best Paper Format and Viewing Distance to Represent the Scope and Scale of Visual Impacts
Ana Moural, Norwegian University of Life Sciences, Aas, Norway
User Experience in Mobile Virtual Reality: An On-site Experience
Dr. Adam Tomkins, The University of Sheffield, United Kingdom
Tracking Visual Engagement in Mixed Reality: A Framework for analyzing interaction with Digital Models
Seungmin Noh, Seoul National University, South Korea
How Useful are Virtual Reality Simulations to the Field of Crime Prevention Through Environmental Design? - A Case Study

10.30 - 12.00  Parallel lectures
Session 9: Teaching Digital Landscape Architecture
Moderation
Prof. Dr. Elke Mertens, Hochschule Neubrandenburg, Germany
"Open Street Map" as a Problem Based Learning Project: Opportunities to Use and Contribute to the Free Map of the World
Prof. Dr. Benjamin H. George, Utah State University, United States
Teaching and Learning Software in Landscape Architecture: A Survey of Software Use Amongst Faculty and Students
Prof. Dr. Matthias Pietsch, Anhalt University, Germany
Analyzing Ecosystem Services in Armenia Using ArcGIS Online: A Case Study of the Geghard Monastery and the Kotayk Province

14.00 - 15.30  Parallel 1.5 hour workshop:
Room 004  WS 2B: Lands Design: landscaping design tools for Rhino - Francesc Salla a.Ana Villafañe, Asuni, Barcelona, Spain

12.00 - 12.30  Coffee, Snacks

12.30 - 13.30  Session 8:
Moderation
Prof. Dr. James F. Palmer, T. J. Boyle Associates, Burlington, United States
Exploring the World of Children and Teenagers in a 360° Virtual Environment
Medria Shekar Rani, University of Sheffield, United Kingdom
An Interactive Landscape Planning Process for Sustaining Flood Regulation in the Ci Kapundung Upper Water Catchment Area, Bandung Basin, Indonesia


14.00 Option 1/2 Day
Bicycle Excursion
Wörlitz Garden and Bauhaus Dessau with Uwe Merz,
Landscape Architect Dessau and Jeanne Colgan

14.00 - 17.00  Room 004  Option DLA Summer School VIA (cont.)

20:00  Evening Meeting at Tobi or not ToBe / Heilmann- Restaurant, Dessau