DLA 2017
June, 7-10 in Bernburg

Introduction, Program and Materials

Wednesday, June 7 - Indigo Park
Geodesign Workshop

Thursday, June 8 - Kurhaus
Responsive Landscapes

Friday, June 9 - Kurhaus
Landscape Architecture +
Green Smart Cities

Saturday, June 10
Altes Rathaus
Augmented and
Algorithmic Landscapes
Welcome to DLA 2017 at Anhalt University
Supplement to the Journal of Digital Landscape Architecture 2-2017

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Information

Please sign up at the registration desk for workshops, poster entries, the reception, the dinner, the tour and the excursion.

Registration desk locations:
Thursday + Friday: Foyer Kurhaus, Solbadstraße 2
Saturday: Seminarroom 3 (second floor), Altes Rathaus, Markt 17/18

Please vote for your favourite poster by Friday 13:00.
Please nominate the best speaker by Saturday 15:00.

Contact

DLA Conference at Anhalt University
Prof. Erich Buhmann
Strenzfelder Allee 28, D-06406 Bernburg, Germany
loel.dla@hs-anhalt.de
www.digital-la.de

WLAN Registration

Username: DLA2017
Password: Bernburg
Foreword and Welcome

Opening of the 18th Digital Landscape Architecture DLA Conference on June 8, 2017

Welcome by the President of Anhalt University of Applied Sciences

How is the landscape architecture profession adapting to the challenges of the continuous digitalizing of our cities brought about by the technology generation 4.0?

How can these technologies support a more sustainable development of our cities and regions, providing services for humanity, all other species and the abiotic environment that we depend on? The International Digital Landscape Architecture Conference 2017 will address these burning questions through dialog between research and practice.

The first International Conference on Trends in European Landscape Architecture Practice was convened by Professor Erich Buhmann at Anhalt University of Applied Sciences in Germany in November 2000. It took place literally around the corner from here in the hexagonal building in INDIGO Park behind this historical Kurhaus. With only thirteen speakers recorded in the conference program, it was already international in scope. The very next year the conference theme was “Virtuality” in Landscape Architecture, and then came “Trends in…”, first in GIS, then Virtualization, then Landscape Modeling, On-Line, and Real-Time, and Knowledge-based Landscape Architecture; in 2008 and 2009, “Digital Design in Landscape Architecture” -- and in 2010 and subsequently, came “Digital Landscape Architecture” (DLA). From just 13 sessions and a scant record of publication in 2000, to June 2016, when we launched a peer-reviewed journal mainly containing contributions to the annual DLA conference. We were proud to present the Journal of Digital Landscape Architecture (JoDLA) as an open source jounal with worldwide representation and circulation.

In 2017, we welcome more than 70 speakers from 17 countries, and we are publishing the second issue of JoDLA.

The roles of digital technology in landscape architecture can be traced as far back as 1965, with the founding of the Laboratory for Computer Graphics at Harvard. Conference participants will be able to hear about the more than 50 years of history presented by Dr. Dana Tomlin, one of the godfathers of computing in landscape architecture, in cooperation with Dr. Stephen Ervin, on Saturday morning.
As a testament to an unbroken lineage of intellectual endeavor, we would like to welcome one other godfather of digital landscape architecture, Dr. Carl Steinitz, an original member of that Harvard Lab. Thirty participants had the opportunity to attend his Geodesign workshop in the rooms of the first DLA conference yesterday.

On behalf of the editors, I am very happy to present this current publication of Anhalt University, the JoDLA 2-2017.

We rely on the continuing support of many outstanding scientists in the areas of geospatial planning and design. The long term and continuous support given by Professor Carl Steinitz of Harvard University was honored when Anhalt University awarded him the Honorary Senator Award in 2010. And we dedicate the second issue of JoDLA to Dr. Carl Steinitz on the occasion his eightieth birthday.

We are very happy to welcome our Ehrensenator of Anhalt University each year. Thank you Dr. Carl Steinitz for helping us develop our profile as an internationally recognized University of Applied Sciences for more than 20 years.

The series of conferences on Information Technology in Landscape Architecture is organized by Prof. Erich Buhmann. As well as being the Scientific Director of the Digital Landscape Architecture Conferences, Prof. Buhmann was also the Chair of the European Council of Landscape Architecture Schools (ECLAS) Committee on Digital Technology for twelve years and was the founding director of the International Master of Landscape Architecture at our University of Applied Sciences. The conference series has always been supported by Prof. Matthias Pietsch, and by Prof. Einar Kretzler, who has followed Prof. Buhmann as head of the MLA.

I would like to thank the editors of these proceedings, Prof. Erich Buhmann, Dr. Stephan Ervin, and Dr. James Palmer, for processing all the submitted papers and compiling the scientific peer-reviews for this publication. The editorial work shouldered by these colleagues and the international review board for this very intensive process is equal to a total of four months of editorial work. We also thank the more than forty external reviewers who make this international annual scientific conference happen.

Our appreciation goes to the Deutsche Forschungsgemeinschaft for the financial support within the program for Internationale Wissenschaftliche Tagungen, to our Ministry for Sciences in the State of Saxony Anhalt, and thanks to the sponsors from the software industry who have generously supported this conference over the years.

We are happy to once again welcome more than one hundred scientists and practicing landscape architects from around the globe to focus on the many faces of working interactively with virtual landscapes. We also have the honor of welcoming a number of very notable keynote speakers in 2017.
Anhalt University currently has 8,000 students. With 2,600 international students, it currently is one of Germany’s universities with the highest level of international enrollment based on a study by the Alexander von Humboldt Foundation, Deutscher Akademischen Austauschdienst and Hochschulrektorenkonferenz. Holding this conference in the State of Saxony-Anhalt in Germany is a gesture to all the international collaborators working with Anhalt University on the concept of worldwide training. The great number of international speakers indicates the level of international awareness the conference has developed. The conference series also serves as a conference of the ECLAS Digital Technology Committee and the IT working group of the European Network of Landscape Architecture Schools. This LE:NOTRE thematic network in landscape architecture includes over one hundred universities in Europe and is cooperating with a number of selected schools outside of Europe.

International conferences open the window of the world for our students and researchers. Having positioned the international conference in Digital Landscape Architecture at our university fills us with pride. We have always given new technologies education special emphasis. We are especially pleased about the numerous research collaborations with the software industry. This international conference will strengthen existing contacts and will be the platform for new partnerships worldwide.

Finally, I do not want to miss this opportunity to thank Professor Buhmann for his strong personal commitment and for the work that he has done over the last 20 years in helping establish Landscape Architecture in Saxony Anhalt, for which he has received national and international acknowledgment.

We also need to thank all the members of the DLA 2017 Team and all the technical and administrative assistants at our school and at the Kurhaus in Bernburg. I wish the international group of landscape architects and environmental researchers an exciting and successful conference in Bernburg. You are always welcome to return to our Bernburg campus.

At the same time, it is a great honor for us to announce that next year’s DLA will be hosted by Hochschule Weihenstephan – Triesdorf in Freising near Munich. Please find the early call for paper for the DLA 2018 in your conference booklet. In May 2019, we will be back at our campus adjacent to the Bauhaus in Dessau, Saxony-Anhalt. In 2019, the Bauhaus will celebrate its 100 year anniversary and DLA 2019 will be a part of the celebration events.

Bernburg, June 2017

Prof. Dr. Jörg Bagdahn
President Anhalt University of Applied Sciences
Welcome by the Vice Major of Bernburg (Saale)
Paul Koller

Honored Minister Prof. Dr. Willingman,
Honored President Prof. Dr. Bagdan,
Honored Prof. Buhmann, Professors from Germany and abroad,
Honored Guests,

As the vice mayor of Bernburg, it is my pleasure to welcome you all to the 18th International Conference on Digital Landscape Architecture, here at the Bernburg Kurhaus. I am honored to have this opportunity to greet you on behalf of the lord mayor of Bernburg.

Anhalt University is welcoming landscape architects and planners for the 18th time, this year with guests from more than 30 countries. For many years now, Anhalt University has been one of the most renowned scientific institutions in Saxony Anhalt and beyond. One of the reasons for its success is its modern, practice-oriented focus. The quality that Anhalt University offers is known throughout Germany, and internationally – of which our city is very proud!

Honored Guests,
Before the conference begins, give me a moment to tell you something about the history of this building, and of the city of Bernburg:
In 1902, Bernburg became a spa offering saline baths, the brine being supplied by the German Solvay plant, free of charge. The inauguration of this Jugendstil building – “the spa house” - took place on November 8th, 1902. In this grand hall where we find ourselves - the Kursaal - large events were held and have taken place here ever since.
In 1920, the Kurhaus was privatized and became the Kur- u. Solbad AG Bernburg. During the Second World War, it served as a military hospital. In 1963, the spa came to an end. In 1964, the building’s new function as the County’s House of Culture began.
Since that time, countless conferences, symposiums, theatrical performances, cabaret, dances, and much more have taken place here. The Kurhaus’ events have been organized by the Bernburg Theater and Event Limited Company since 1994.

Ladies and Gentlemen,
Bernburg was first mentioned in a historical document in 961, over 1050 years ago. Bernburg looks back on a rich history as part of the principality of Anhalt. Bernburg served as the royal seat for the House of Anhalt-Bernburg. Perched on a hill overlooking the Saale River, one finds our impressive renaissance castle, referred to as “the crown of Anhalt”. Bernburg is an industrial, cultural and university city.
Our surroundings are strongly characterized by agricultural use. Because of large deposits of limestone and salt, industry started to develop in Bernburg at the end of the 19th century. At the same time, the founding of the Ducal Research Institute of Anhalt started the tradition of scientific excellence in Bernburg. Here the internationally acclaimed scientist Prof. Dr. Hermann Hellriegel conducted his work.

We have been a university city since 1961. Bernburg is the County Seat for the Salzlandkreis and has approximately 35,000 inhabitants. With the A14 Autobahn and the state road B 6n, we have a very good transport connection. The magnificent view of and from the castle, the Saale River valley and natural surroundings, all offer visitors a pleasant day’s outing.

Ladies and Gentlemen,

A city doesn’t live alone by the virtue of its citizens, their ideas, their hard work and determination. No, a city also lives and develops because of its enterprises, organizations and institutions. Anhalt University plays an important role in the development of Bernburg. One can clearly see this in the very example of this conference taking place at our historic Kurhaus. It is yet another indication of the supraregional relevancy of Bernburg and its appeal as a center for science. At this point I wish to offer a heartfelt thank you to the organizers from Anhalt University, who made this international conference possible.

Ladies and Gentlemen,

For this 18th International conference, I wish you all much success, intensive exchange of experiences, and between the presentations - good conversations, as well as enjoyable and interesting days here in Bernburg, and Dessau-Roßlau and Wörlitz, while wishing you all the best for your continuing work. Perhaps you’ll have the chance to take a look around Bernburg. I can only tell you this: It is more than worth your time! - Thank you very much for your attention.

Bernburg, June 2017

Paul Koller
Vice Major of Bernburg (Saale)
Floor Plan Kurhaus - Upstairs
Floor Plan Kurhaus - Downstairs
Conference Program

Wednesday, June 7
Geodesign Workshop (optional)
Indigo Park - behind Kurhaus

One day workshop
Room 203 (Neubau)

Prof. Dr. Carl Steinitz and Dr. Hrishi Ballal, United States/United Kingdom:
Organizing and Applying Geodesignhub Software.
See separate announcement
Moderator: Prof. Erich Buhmann, Anhalt University, Germany

Pre-conference dinner/
Pre-Registration
Hotel Askania

Thursday, June 8
Responsive Landscapes
Kurhaus

Registration desk in Kurhaus foyer, Solbadstrasse 2, 06406 Bernburg

08:00 Registration

09:00 Welcome
Prof. Dr. Jörg Bagdahn, President Anhalt University;
Paul Koller, Vice Mayor Bernburg
Moderator: Prof. Erich Buhmann, Anhalt University, Germany
Music by Antje Folkers, Musikschule Bernburg
Award Ceremony DLA Awards by Review Board, Group Picture DLA Conference

09:45 Keynotes
Prof. Dr. Adrienne Grêt-Regamey, ETH Zürich, Switzerland:
Six key conditions for successfully implementing responsive landscape planning
Moderator: Prof. Dr. Stephen Ervin, Harvard University, United States
Prof. Bradley Cantrell, Harvard University, United States:
Responsive Landscapes | Curated Complexity

11:00 Opening Exhibition / Coffee Break

11:30 Parallel Session 1
Responsive Landscapes I

Zihao Zhang, University of Virginia, United States: Human Factors in Responsive Landscapes: Importance and Method
Moderator:
Tadej Bevk, University of Ljubljana, Slovenia:
Iterative digital photo-based assessment for rural landscape perception: A small experiment from County Wicklow, Ireland
Serhat Cengiz, İnönü University, Turkey: Modelling the Interaction Between Urban Sprawl and Agricultural Landscape Around Denizli City, Turkey

Parallel Session 2
(Kleiner Saal)
Responsive Landscapes II
Moderator:
Sareh Moosavi, University of Melbourne, Australia: Leveraging the Dredge Cycle at the Gippsland Lakes: Simulating with Autodesk CFD
Saviour Formosa, University of Malta, Malta: The SIntegraM Stairway to Integrative Spatialisation: Removing the Barriers to Access and Harmonisation
Caroline Westort, Iowa State University, United States: Robot in the Garden: Preliminary Experiments of an Onsite Robot Ball Assistant for the Landscape Architect

13:00 Lunch break / Poster session

14:00 Keynotes
Prof. Dr. Jörg Rekittke, RMIT University, Australia: Indifferent Landscape
Moderator: Dr. Ulrike Wissen Hayek, ETH Zürich, Switzerland
Prof. Brian Orland, University of Georgia, United States: Geodesign as a strategic collaborative asset within the academic institution

15:00-16:00 Coffee Break

15:10 Workshop 1
(Kleiner Saal)
Andreas Lippold, Autodesk® InfraWorks (Potsdam), Germany:
Infraworks for green infrastructure

16:00 Parallel 1.5 hour Workshop 2
(Großer Saal)
Prof. Justine Holzman, University of Toronto, Canada and Prof. Bradley Cantrell, Harvard University, United States: Responsive Landscapes
Workshop 3
(Kleiner Saal)
Achim Hoffmann-Brüning, COMBRIO (Hannover), Germany: 3D Landscape Architecture and BIM with Vectorworks

19:00 Reception
Kurhaus Bernburg – Pavillon
Responsive Landscape Installation | World Melange - Jazzonanz
**Friday, June 9**

**Kurhaus**

**Landscape Architecture + Green Smart Cities**

*Professional focus in cooperation with BDLA*

_Ganztägig Deutsche Simultanübersetzung: George Wolter, Halle_

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<tr>
<th>Time</th>
<th>Session</th>
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<td>09:00</td>
<td>Welcome and Introduction (Großer Saal)</td>
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<td><strong>Till Rehwaldt, President BDLA</strong> Bund Deutscher Landschaftsarchitekten, Germany</td>
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<td><strong>Moderator:</strong> Prof. Erich Buhmann, Anhalt University, Germany</td>
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<td><strong>Keynotes</strong></td>
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<td><strong>Prof. Antje Stokman, HafenCity University Hamburg, Germany:</strong></td>
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<td><em>New Pathways in Design Research: Towards Sustainable and Green Cities</em></td>
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<td><strong>Hendrik Porst, Ramboll Studio Dreiseitl</strong></td>
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<td><em>Head of Department of Idea and Concept, Partner, Germany:</em></td>
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<td><em>Climate Responsive and Water Sensitive Design: Blue-Green Solutions for Resilient Cities</em></td>
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<td>10:30</td>
<td><strong>Coffee Break</strong></td>
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<td>11:00</td>
<td><strong>Speaker</strong></td>
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<td><strong>Arancha Munoz-Criado, Landscape Architect, City and Strategic Planner, Spain:</strong></td>
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<td><em>Green Infrastructure: Smart Cities need Smart Regions</em></td>
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<td><strong>Moderator:</strong> Prof. Dr. Nicole Uhrig, Anhalt University, Germany</td>
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<td><strong>Prof. Kristen Kurland, Carnegie Mellon University, United States:</strong></td>
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<td><em>3D and Spatial Analysis for Smart and Healthy Cities</em></td>
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<td>12:00</td>
<td><strong>Lunch Break &amp; Poster Exhibition</strong></td>
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<td>DLA Poster competitions (please vote on by 13:00) + BDLA on case studies + MLA Studios</td>
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<td>13:00</td>
<td><strong>Keynote</strong> (Großer Saal)</td>
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<td><strong>Lawrie Jordan, ERDAS Founder, Esri Redlands</strong>, United States (with video):</td>
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<td><em>High Resolution Remote Sensing at Your Fingertips</em></td>
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<td><em>Current Challenges for Landscape Architecture</em></td>
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<td><strong>Introduction:</strong> Prof. Dr. Carl Steinitz, Harvard University, United States/ United Kingdom</td>
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<td>13:30</td>
<td><strong>Speaker</strong></td>
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<td><strong>Prof. Dr. Lothar Koppers, Anhalt University, Germany:</strong></td>
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<td><em>Wozu GPS? Position per Bildverarbeitung - Outdoor, Indoor, hochpräzise</em></td>
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<td><strong>Moderator:</strong> Prof. Dr. Matthias Pietsch, Anhalt University, Germany</td>
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<td>14:00</td>
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<td><strong>Prof. Dr. Jörg Schaller, Umwelt Consult, Germany:</strong></td>
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<td><em>GeoDesign – Concept for Integration of GIS and BIM in Landscape Architecture</em></td>
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<td>14:30</td>
<td><strong>Speaker</strong></td>
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<td><strong>Prof. Dr. Carl Steinitz, Harvard University, United States / UCL, United Kingdom:</strong></td>
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<td><em>On Negotiation as a Geodesign Method</em></td>
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<td>15:30</td>
<td><strong>Panel</strong></td>
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<td>Discussion Panel with all speakers of the day</td>
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<td><strong>Moderator:</strong> Prof. Dr. Jörg Rekittke, RMIT University, Australia</td>
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<td>16:00</td>
<td><strong>Parallel Session 3</strong></td>
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<td><strong>Geodesign and Smart Cities</strong></td>
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<td><strong>Moderator:</strong> Prof. Dr. Ulrich Kias; Hochschule Weißenstephan-Triesdorf, Germany</td>
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<td><strong>Guoiping Huang, University of Virginia, United States:</strong></td>
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<td><em>Protecting Urban River Views with Geodesign Approach</em></td>
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<td><strong>Lars Schütz, Anhalt University and Otto von Guericke University, Germany:</strong></td>
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<td><em>Using Visual Analytics for Decision Making</em></td>
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<td><strong>Olaf Schrotth, University of Sheffield, United Kingdom:</strong></td>
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<td><em>Geodesigning Climate Change</em></td>
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<td><em>Adaptation on a Regional Level through Shelterbelt Provision in the Jingjinji Area</em></td>
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<td><strong>Parallel 1.5 hour Workshop 4 (Kleiner Saal)</strong></td>
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<td><strong>Thomas Vournazos, Slashcube (Zürich), Switzerland and Philip Paar, Laubwerk (Potsdam, Berlin), Germany:</strong></td>
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<td><em>Cinema 4D &amp; SketchUp Workshop on 3D Plants and Landscape Visualization</em></td>
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<td><strong>Parallel Historic Bernburg Tour</strong></td>
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<td>Optional: Guided historic city tour with Jeanne Colgan:</td>
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<td><em>“The Reformation in Bernburg” (English/Deutsch)</em></td>
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<td>19:15</td>
<td><strong>Bus Departure</strong></td>
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<td>Bus Departure from Kaiplatz, in front of Kurhaus</td>
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<td>20:00</td>
<td><strong>Conference Dinner</strong></td>
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<td>DLA Poster Awards by Participants, Hohenerxleben Castle</td>
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Saturday, June 10
Altes Rathaus (Markt 17/18)

09:00 Welcome

Prof. Dr. Elena Kashtanova, Dean Department Agriculture, Ecotrophology and Land Development, Anhalt University, Germany

Keynote
(Bunghörsaal, second floor)

Prof. Dr. Dana Tomlin, University of Pennsylvania and Prof. Dr. Stephen Ervin, Harvard University, United States: 40 Years’ Digital Landscape Architecture

Moderator: Prof. Pia Fricker, Aalto University, Finland

09:40 3-minute presentations

Aiste Ambrazeviciute, Vienna, Austria: Poster Another Scale of Wood, Stefan Axel Samuel, Aalto University, Finland: Poster The Jopo Destric and winner of the DLA Poster Award 2017

10:00 Coffee Break

10:30 Parallel Session 4
Communication
Moderator:
James Melsom, ETH Zürich, Switzerland
(Bunghörsaal, second floor)

Stefan Küspert, University of Deggendorf, Germany: Concept of a digital communication platform to increase the citizens’ interest in spatial planning

Yalcın Yıldırım, University of Texas, United States: Measuring Sounds with Grid Method for Supporting the Design of Public Spaces

Philip Paar, Laubwerk (Potsdam, Berlin), Germany: Development of an Interactive 3D Herbaceous Bed Designer

Parallel Session 5
Representation
Moderator:
Prof. Dr. Michele Campagna, Università di Cagliari, Italy (Hörsaal 2, second floor)

Agnieszka Ozimek, Cracow University of Technology, Poland: Viewshed Analyses as Support for Objective Landscape Assessment

Yuan Yangyang, Southeast University, China: Road Planning for a Scenic Environment Based on the Dijkstra Algorithm - Case Study of Nanjing Niushou Mountain Scenic Spot

Reto Spielhofer, ETH Zürich, Switzerland: 3D Point Clouds for Representing Landscape Change

Siqing Chen, University of Melbourne, Australia: Designing with Phenology: Tree Canopy Dynamics and Its Effects on Solar Exposure for a Residential Building

12:00 Lunch Break (HOTEL ASKANIA)

13:00 Parallel Session 6
Augmented and Virtual Reality
Moderator:
Dr. Olaf Schrotth, University of Sheffield, United Kingdom (Bunghörsaal, second floor)

James Palmer, Scenic Quality Associates, United States: Best Focal Length to Represent a Landscape View Using a Single-Frame Photograph

Toomaj Goudarznia, Anhalt University, Germany: Testing the Effectiveness of Augmented Reality in the Public Participation Process: A Case Study in the City of Bernburg

Artan Hysa, Istanbul Technical University, Turkey: Landscape Fragmentation Assessment Utilizing the Matrix Green Toolbox and CORINE Land Cover Data

Benjamin H. George, Utah State University, United States: Using Virtual Reality as a Design Input: Impacts on Collaboration in a University Design Studio Setting

Parallel Session 7
Teaching
Moderator:
Dr. Hans-Georg Schwarz-v.-Raumer, University of Stuttgart, Germany (Hörsaal 2, second floor)

James Melsom, ETH Zürich, Switzerland: Onsite Analysis - Developing a flexible software field-kit for landscape architecture and spatial design

Michele Campagna, Università di Cagliari, Italy: Geodesign A-to-Z: Evolution of syllabus for architects and engineers

Mintai Kim, Virginia Polytechnic Institute and State University, United States: Teaching Coastal Resilience using Geodesign: A Study of Virginia Beach

14:30 Coffee Break

15:00 Parallel Workshop 5
(Bunghörsaal, second floor)

Philip Paar, Laubwerk (Potsdam, Berlin), Germany: Workshop on 3D Plants and Landscape Visualization

15:00 Parallel Workshop 6
(Hörsaal 2)

Francesc Salla, Asuni CAD, Spain: Lands Design Workshop

16:00 Closing Panel

Final Closing Panel of DLA 2017 – Introducing DLA 2018 at Freising-Weihenstephan

Prof. Dr. Ulrich Klas, Hochschule Weihenstephan-Triesdorf, Germany

19:00 Recommendation

“Schlossbergfest”, regional cultural festival around Bernburg Castle (see separate flyer)

Sunday, June 11
Excursion

09:00 Bus departure (Hotel Askania)

1/2 Day / Full Day Excursion Bauhaus Dessau and Wörlitz Garden
**DLA 2017 - Workshops**

**Workshop Schedule - Please sign up**

**Wednesday, June 7 - 09:00**  
*Geodesignhub Workshop*  
Dr. Carl Steinitz, Harvard GSD, United States  
Dr. Hrishi Ballal, United Kingdom  
Tess Canfield, United Kingdom  
Indigo Park, Room 203/204

**Thursday, June 8 - 15:10**  
1 - *Infraworks for green infrastructure*  
Andreas Lippold, Autodesk InfraWorks Potsdam, Germany  
Kurhaus, Kleiner Saal

**Thursday, June 8 - 16:00**  
2 - *Responsive Landscapes*  
Justine Holzman, University of Toronto, Canada  
Bradley Cantrell, Harvard University, United States  
Kurhaus, Großer Saal

3 - *3D Landscape Architecture and BIM with Vectorworks*  
Achim Hoffmann-Brüning, COMBRiO Hannover, Germany  
Anja Ludwigs, Riehl Bauermann Landschaftsarchitekt., Germany  
Kurhaus, Kleiner Saal

**Friday, June 9 - 16:00**  
4 - *Cinema 4D & SketchUp Workshop on 3D Plants and Landscape Visualisation*  
Thomas Vournazos, Slashcube Zürich, Germany  
Philip Paar, Laubwerk Potsdam/ Berlin, Germany  
Kurhaus, Kleiner Saal

**Saturday, June 10 - 15:00**  
5 - *Workshop on 3D Plants and Landscape Visualisation*  
Philip Paar, Laubwerk Potsdam/ Berlin, Germany  
Altes Rathaus, Bungehörsaal (second floor)

6 - *Lands Design Workshop*  
Francesc Salla, Asuni CAD, Spain  
Altes Rathaus, Hörsaal 2
Geodesignhub Workshop

Wednesday, June 7, 2017 - 9 am to 5 pm
Dr. Carl Steinitz, Harvard GSD, United States
Dr. Hrishi Ballal, United Kingdom
Tess Canfield, United Kingdom
Indigo Park - Room 203/204

The Geodesignhub software which we will be using is a digital web-based workflow based on a systems approach. It is designed to support the rapid creation of conceptual designs to address large and complex geodesign problems. It is designed to foster collaboration among professionals and their clients, and among teams of professionals, especially during the early stages of design. It has a simple user interface which uses ubiquitous web technology and communication systems. It easily incorporates existing and diverse data structures for both its inputs and outputs, and it enables users to collaborate in person and/or over the internet in real time to produce designs and assess them.

Logging into Workshop data:
The Geodesignhub software tool is publically available and free to use by all. It has extensive self-help documentation, with video and text tutorials. These will be available by signing up for an account at www.geodesignhub.com.

Instructions to create a new account are here:
www.community.geodesignhub.com/t/creating-a-newaccount/125

Please do log in and experiment beforehand.

The software tool is publically available and free to use by all. It has extensive self-help documentation, with video and text tutorials. These will be available by signing up for an account at www.geodesignhub.com.
2 - Responsive Landscapes Workshop

Thursday, June 8, 2017 - 4 pm to 7 pm
Justine Holzman, University of Toronto, Canada
Bradley Cantrell, Harvard University, United States
Kurhaus Bernburg - Großer Saal

The workshop presents an overview of techniques, methods, and technologies necessary to explore the potentials of responsive landscapes. An overview of responsive technologies introducing participants to microcontrollers, sensors, and actuators will be delivered through demonstrations of physical computing connected to parametric and 3d modeling software such as Grasshopper and Rhinoceros 3d.

Beyond the demonstration of specific tools and workflows, the workshop presents conceptual and theoretical approaches to responsive technologies in landscape architecture through case studies of experimental and built projects.

Participants will receive an introduction to responsive technologies and the concepts necessary to engage forms of physical computing in landscape architecture.

Monitoring the Kissimmee River Restoration in South Florida, photograph by Justine Holzman
3 - 3D Landscape Architecture and BIM with Vectorworks

Thursday, June 8, 2017 - 4pm to 7pm
3D Landscape Architecture and BIM with Vectorworks
Anja Ludwigs, Riehl Bauermann Landschaftsarchitekt., Germany
Achim Hoffmann-Brüning, COMBRiO Hannover, Germany
Kurhaus Bernburg - Kleiner Saal

The Workshop gives an overview to the workflow of BIM (Building Information Modeling) for landscape architectures. The second part shows the different methods and tools for the 3D-landscape architecture in Vectorworks CAD. You learn how to create a 3D-landscape model with hardscapes, plants, and a digital terrain model.

Please make sure to download the trial version of Vectorworks CAD:
German Version Mac OS:
www.download.vectorworks.de/2017/cw/macintosh
German Version Windows:
www.download.vectorworks.de/2017/cw/windows
International Version (both operating systems):
www.goo.gl/1yn3jl

For Students (1-year license):
German Version:
www.computerworks.de/produkte/vectorworks/studenten/studentenversion.html
International Version:
www.student.myvectorworks.net
4. 5 - Cinema 4D & SketchUp Workshop on 3D Plants and Landscape Visualisation

Friday, June 9, 2017 - 4 pm to 6 pm/ June 10, 2017 - 3pm to 4pm
Thomas Vournazos, Slashcube Zürich, Germany
Philip Paar, Laubwerk Potsdam/ Berlin, Germany
Kurhaus Bernburg - Kleiner Saal/ Altes Rathaus - Bungehörsaal

Thomas will showcase some of Slashcube’s most recent visualization projects, e.g. for Zaha Hadid Architects. He will explain his successful way of creating 3D visualizations using Cinema 4D, Corona Render, Laubwerk Plants, and Photoshop.

Philip will demonstrate both the procedural, “curated” Laubwerk Plants and the distribution plugin SurfaceSPREAD inside Cinema 4D. Furthermore, he will demo the Laubwerk Plants Kits inside SketchUp and V-Ray. No laptops required. This year, it is not a hands-on workshop and the concepts necessary to engage forms of physical computing in landscape architecture.

Contact: philip.paar@laubwerk.com, www.laubwerk.com

Zaha Hadid and Anish Kapoor collaborated together for the London Holocaust Memorial Competition. Visualization: SlashCube (Cinema 4D and Corona, Cypress and bushes: Laubwerk, other trees Evermotion)
6 - Lands Design Workshop

Saturday, June 10, 2017 - 3 pm to 4 pm
Francesc Salla, Asuni CAD, Spain
Altes Rathaus, Hörsaal 2

Lands Design is software for designing gardens and green spaces in Rhino. In this workshop you will learn the main Lands Design tools that will guide you through a landscaping project design for producing 2D technical drawings, create 3D models, and render views.

The workshop will cover the following topics:

1. Work with plant species: insert trees, shrubs, parterres, and arrange them in rows, forests, etc. …
3. Civil work: create object rows, fences, paths, hedges, etc. …
4. Terrain modelling tools: create terrains from contours, curves, point clouds or imported from Google Earth. Tools to edit terrains: apply cut and fills, hollows, insert paths, etc. …
5. Project 2D documentation: Generate setting out plans and project information: 2D plans and lists to quantify species and the project information.
6. Rendering tips.

Lands Design website: www.lands-design.com
Invited Speakers DLA 2017

Dr. Hrishi Ballal
Dr. Hrishi Ballal is the Founder and Managing Director of Geodesign Hub Pvt. Ltd. He has a PhD in geodesign from University College London’s Centre for Advanced Spatial Analysis. His research interests are in collaborative design. Dr. Ballal is a Mechanical Engineer by training with degrees from Massachusetts Institute of Technology and The University of Michigan and prior to Geodesignhub, he worked at Microsoft.

Erich Buhmann
Prof. Erich Buhmann holds a bachelor degree in landscape architecture from Munich-Weihenstephan and a MLA as Fulbright Scholar from SUNY Syracuse. He was appointed Professor at Anhalt University of Applied Sciences in 1995 where he was the founding director of the English language Master of Landscape Architecture (MLA) program. He organizes the annual international spring conference on IT in landscape architecture. Since 2016 he had served as Editor-in-Chief for the Journal of Digital Landscape Architecture JoDLA. As a registered landscape architect, he is a partner in the landscape architecture firm ATELIER BERNBURG.

Bradley Cantrell
Bradley Cantrell is a landscape architect and scholar whose work focuses on the role of computation and media in environmental and ecological design. Professor Cantrell received his BSLA from the University of Kentucky and his MLA from the Harvard Graduate School of Design. He has held academic appointments at the Harvard Graduate School of Design, The Rhode Island School of Design, and the Louisiana State University Robert Reich School of Landscape Architecture where he led the school as graduate coordinator and director. Cantrell’s work has been presented and published in a range of international peer reviewed venues including ACADIA, CELA, EDRA, ASAHS, and ARCC.
Stephen M. Ervin

Stephen M. Ervin is Director of Computer Resources and Assistant Dean for Information Technology at the Harvard University Graduate School of Design, and a Lecturer in the Department of Landscape Architecture. Ervin teaches and conducts research in the areas of design, computing, media and technology, with a special interest in landscape modeling and visualization, and the emergent topic of GeoDesign. He is the co-author of ‘Landscape Modeling: Digital Techniques for Landscape Visualization’ by McGraw-Hill (ASLA Merit award winner in 2002). Ervin has taught and lectured worldwide and published articles in a number of journals. He is a Fellow of the American Society of Landscape Architects, and holds a MLA degree from the University of Massachusetts and a PhD in Urban Studies from MIT.

Pia Fricker

Pia Fricker studied architecture at the University of Karlsruhe (Germany), the University of Tampere and at the University of Helsinki (Finland). She graduated in 2001 at the chair of Prof. Dr. Uhlig (urban design) and Prof. Henri Bava (landscape design). She received the DAAD scholarship for her post-graduate studies at the chair for Computer Aided Architectural Design (CAAD) of Prof. Dr. Ludger Hovestadt, ETH Zürich. She specialized further in computer based architectural design and CAAD-CAAM technologies. From 2003 - 2008 she has been working as a teaching and research assistant at the chair for CAAD. From 2007 - 2016, Pia Fricker served as Director of Studies for the postgraduate study program „Master of Advanced Studies in Landscape Architecture“ at the Institute of Landscape Architecture, Prof. Christophe Girot, ETH Zürich. Starting in August 2017 as Adjunct Professor at Aalto University Helsinki (Finland) for Computational Methodologies in Large-Scale Landscape Architecture and Urbanism.
Dr. Adrienne Grêt-Regamey
Adrienne Grêt-Regamey is Professor at the Chair of Planning Landscape and Urban Systems (PLUS) at the Institute for Spatial and Landscape Development, ETH since 2008. Her research currently focuses on understanding how the interactions and/or actions of humans shape landscapes at various temporal and spatial scales, using different land-use decision models in forecasting and backcasting modes. For fostering participatory landscape planning, she investigates how people perceive the landscape in the new AudioVisual Lab, where state-of-the-art 3D visualizations and auralizations of landscape changes are generated and decision support tools developed. She explores intensively how an iterative process between design and science can allow co-creating place specific responses satisfying human needs and demands for well-being in a sustainable manner. Adrienne Grêt-Regamey is the author of more than 100 peer-reviewed articles. More information on the Planning of Landscape and Urban System group at ETH Zürich can be found under www.plus.ethz.ch.

Dr. Ulrike Wissen Hayek
Ulrike Wissen Hayek is Senior Researcher and Lecturer at the Chair Planning of Landscape and Urban Systems (PLUS) at the Institute for Spatial and Landscape Development, ETH Zurich (Switzerland) since 2008. She holds a diploma in Landscape Architecture and Planning from the Technical University of Munich (Germany) and a PhD from the ETH Zurich, where she focused on „Virtual Landscapes for Public Participation“. At PLUS she leads the interdepartmental Landscape Visualization and Modeling Lab (LVML) and the new AudioVisual Lab in collaboration with the Chair of Landscape Architecture of Prof. Christophe Girot. Her research focuses on developing and implementing GIS-based 3D landscape visualizations and audio-visual simulations for landscape and environmental planning.
Justine Holzman

As an assistant professor of landscape architecture at the University of Toronto and a member of the Dredge Research Collaborative, Justine Holzman researches distributed landscape infrastructure for regional design, responsive technologies in landscape architecture, and the epistemic history of scientific landscape modelling. Holzman previously taught at the University of Tennessee and Louisiana State University as a visiting assistant professor where she worked as a research fellow with the LSU Coastal Sustainability Studio, a transdisciplinary research studio working on coastal issues in Louisiana. Holzman is co-author of Responsive Landscapes: Strategies for Responsive Technologies in Landscape Architecture (2016). She received an MLA from LSU and a BA in Landscape Architecture from UC Berkeley.

www.daniels.utoronto.ca/people/core-faculty/justine-holzman

Kirsten Kurland

Kristen Kurland is a Teaching Professor of Architecture, Information Systems, and Public Policy at Carnegie Mellon University’s H. John Heinz III College and School of Architecture. She holds a courtesy appointment in Civil and Environmental Engineering, is Past President of CMU’s Andrew Carnegie Society, and recently served on CMU’s Board of Trustees. Professor Kurland’s research focuses on interdisciplinary collaborations in health, the built environment, spatial analysis using Geographic Information Systems (GIS), and 3D and data Visualization. She works closely with CMU colleagues and students on health, urban design, economic development, sustainability, and information technology and data issues. She actively collaborates with the City of Pittsburgh, Children’s Hospital of Pittsburgh, University of Pittsburgh Medical Center, University of Pittsburgh School of Public Health, and many public health departments.
Arancha Muñoz-Criado

Arancha Muñoz-Criado is an architect and urban planner, Master in Landscape Architecture (Harvard 1992) with more than 25 years of experience in strategic planning, projects and policy. As Secretary for Urban Planning, Landscape and Environment of the Autonomous Region of Valencia, Spain, she developed and directed; The Sustainable Territorial Strategy for the Region, The Regional Green Infrastructure Plan and the Landscape and Urban Development Law which establishes Green Infrastructure as the framework for urban planning for the 550 municipalities of the region. Prior to her role in regional government, she was responsible for the design of major river corridors, coastal plans, parks, master plans, municipal plans for urban growth and conservation of cultural landscapes, and for regional and urban open space systems. She has recently led the development of a Green Infrastructure Framework for the USA (ESRI), the rehabilitation of Wadi Al Aqeeq in Medinah, Saudi Arabia (Buro Happold) and the Strategy and Guidelines for Qatar's Public Realm (AECOM).

Philip Paar

CEO at Laubwerk and founding partner
Philip oversees the strategic vision and daily operations of Laubwerk GmbH. He has been dedicated to the field of 3D landscape modeling and visualization since 2000. Occasionally, Philip is invited as guest lecturer, e.g. by the National University of Singapore, Aalto University, or by the ETH Zurich. Vegetation and 3D plant models have fascinated Laubwerk CEO Philip Paar since his years studying Landscape Planning at the Technical University of Berlin. You will often find Philip working with the designers on the next generation of Laubwerk plant species, or even creating high-quality textures using images of living plants and trees that he photographs himself.
Dr. James Palmer

Dr. James F. Palmer has had a distinguished professional career in landscape architecture spanning 40 years, focusing on the assessment of landscape character and aesthetic quality. He has a Ph.D. in Natural Resources and a Master in Landscape Architecture from the University of Massachusetts, Amherst. He conducted research and taught in the landscape architecture and environmental studies departments for 25 years at State University of New York’s College of Environmental Science and Forestry, where he is now an Emeritus Professor. Currently he is licensed landscape architect with T. J. Boyle Associates in Burlington, Vermont, where he evaluates the aesthetic impacts of renewable energy development.

Dr. Carl Steinitz

For serious societal and environmental issues, designing for change is inevitably a collaborative endeavor, with participants from various design professions and geographic sciences, linked by technology from several locations for rapid communication and feedback, and reliant on transparent communication with the people of the place who are also direct participants. The framework within which I organize most of my work and teaching strategies has been published in my recent book A Framework for Geodesign, ESRI Press, 2012.
Antje Stokman
HafenCity University Hamburg, Germany - New Pathways in Design Research: Towards sustainable and green Cities
Antje Stokman (*1973) is a landscape architect and professor of architecture and landscape at HafenCity University Hamburg. After graduation in 2000, she worked on several international projects with Rainer Schmidt Landschaftsarchitekten and has been a member of the German Chamber of Architects since 2004. Her work focusses on strategies to develop infrastructural and ecological systems as a basis for sustainable urban form and design of urban water landscapes.

Dr. Dana Tomlin
Dana Tomlin is a Professor of Landscape Architecture at the University of Pennsylvania and an Adjunct Professor in Forestry and Environmental Studies at Yale University. Dr. Tomlin’s work focuses on the development and application of geographic information systems (GIS). As designer of the Map Analysis Package GIS, author of GIS and Cartographic Modeling (ESRI Press 2012), an inductee to URISA’s GIS Hall of Fame, and originator of the Map Algebra language embodied in most of today’s raster-based GIS software, Tomlin is recognized as one of the world’s leading contributors to this field.
List of DLA 2017 Participants
Registration by May 30, 2017

**DLA 2017 Participants - Invited Speakers**

1. Dr. Christian Albert, Leibniz Universität Hannover, Germany
2. President Dr. Jörg Bagdahn, Anhalt University, Germany
3. Tadej Bevk, University of Ljubljana, Slovenia
4. Erich Buhmann, Anhalt University, Germany
5. Michele Campagna, University di Cagliari, Italy
6. Tess Canfield, Landscape Architect, United Kingdom
7. Bradley E. Cantrell, Harvard Graduate School of Design, United States
8. Serhat Cengiz, Inonu University, Turkey
9. Dr. Siqing Simon Chen, The University of Melbourne, Australia
10. Dr. Zheng Chen, Tongji University, China

11. Jeanne Colgan, English for You, Germany
12. Dean Stephen M. Ervin, Harvard GSD, United States
13. Saviour Formosa, University of Malta, Malta
14. Pia Fricker, Aalto University, Finland
15. Benjamin H. George, Utah State University, United States
16. Mona Ghandi, Washington State University, United States
17. Sevgi Görmüş, Bartin University, Turkey
18. Toomaj Goudarznia, Anhalt University, Iran
19. Adrienne Grêt-Regamey, ETH Zürich, Switzerland
20. Klaus-Peter Hackel, EHL AG, Germany

21. Achim Hoffmann-Brüning, Vectorworks-COMBRiO, Germany
22. Justine Holzman, University of Toronto, Canada
23. Guoping Huang, University of Virginia, United States
24. Artan Hysa, Istanbul Technical University, Turkey
25. Dean Dr. Ellena Kashtanova, Anhalt University, Germany
26. Lucas Kaußen, Hochschule Ostwestfalen-Lippe, Germany
27. Dr. Ulrich Kias, Weihenstephan-Triesdorf University of Applied Sciences, Germany
28. Dr. Mintai Kim, Virginia Tech, United States
29. Eckehard Kramer, EHL AG, Germany
30. Kristen S. Kurland, Carnegie Mellon University, United States

31. Stefan Küspert, Technische Hochschule Deggendorf, Germany
32. Harlind Libbrecht, University College Gent, Belgium
33. Dr. Mark Lindquist, University of Michigan, United States
34. Andreas Lippold, Autodesk GmbH, Germany
35. Song Liu, Tongji University, China
36. Anja Ludwigs, Vectorworks-COMBRiO, Germany
37. Cristina Mattos, Esri Deutschland Group GmbH, Germany
38. James Melsom, ETH Zürich, Switzerland
39. Dr. Vicente J. Moles, Harvard University, Spain
40. Dr. Sareh Moosavi, University of Melbourne, Australia
List of DLA 2017 Participants (cont.)

41 Jochen Mülder, Lenne’3D GmbH, Germany
42 Arancha Muñoz-Criado, Independent Consultant, Spain
43 Loukya Muthyala, Unitec Institute of Technology, New Zealand
44 Brian Orland, University of Georgia, United States
45 Dr. Agnieszka Ozimek, Cracow University of Technology, Poland
46 Philip Paar, Laubwerk GmbH, Germany
47 Dr. James F. Palmer, T. J. Boyle Associates, United States
48 Eleanna Panagoulia, University of California, Berkeley, United Kingdom
49 Dr. Matthias Pietsch, Anhalt University, Germany
50 Hendrik Porst, Ramboll Studio Dreiseitl, Germany

51 Till Rehwald, Rehwaldt Landschaftsarchitekten, Germany
52 Dr. Joerg Rekittke, Royal Melbourne Institute of Technology, Australia
53 Sina Röhner, Nuertingen-Geislingen University, Germany
54 Francesc Salla, Asuni, Spain
55 Dr. Joerg Schaller, Esri Deutschland Group GmbH, Germany
56 Dr. Olaf Schroth, The University of Sheffield, United Kingdom
57 Lars Schütz, Anhalt University, Germany
58 Dr. Hans-Georg Schwarz-v.Raumer, University of Stuttgart, Germany
59 Holm Seifert, Seifert GIS Analyse und Planung München, Germany
60 Reto Spielhofer, ETH Zürich, Switzerland

61 Dr. Carl Steinitz, Harvard GSD, United States
62 Antje Stokman, HafenCity University Hamburg, Germany
63 Dr. Dana Tomlin, University of Pennsylvania, United States
64 Dr. Nicole Uhrig, Anhalt University, Germany
65 Thomas Vournazos, Slashcube, Switzerland
66 Caroline Y. Westort, Iowa State University, United States
67 Dr. Ulrike Wissen Hayek, ETH Zürich, Switzerland
68 Ping Xu, University of Colorado, Boulder, United States
69 Yuan Yangyang, Southeast University, China
70 Yalcin Yildirim, University of Texas at Arlington, United States
71 Zihao Zhang, University of Virginia, United States

**DLA 2017 Participants - regular**

72 Aiste Ambrazeviciute, Academy of Fine Arts Vienna, Austria
73 Jenny Andersson, Tengbom, Sweden
74 Linda Ayer, Scenic Quality Consultants, United States
75 Manuela Casado, IDOM, Spain
76 Chiara Cocco, University di Cagliari, Italy
77 Stefan Axel Samuel Eklof, Aalto University, Finland
78 Grete Eschrich, Martin Luther Universität Halle Wittenberg, Germany
79 Dr. Christine Fuhrmann, Brandenburg University of Technology, Germany
List of DLA 2017 Participants (cont.)

80 Sarah Gottwald, Leibniz University Hannover, Germany
81 Matthias Jähne, Anhalt University, Germany
82 Alice Johansson, Tengbom, Sweden
83 Daeyoong Kim, Anhalt University, Germany
84 Martha Orland, University of Georgia, United States
85 Susanne Raabe, Anhalt University, Germany
86 Claus Rädding, WES GmbH, Germany
87 Georg Rosenthal, Kunsthochschule, Germany
88 Dr. Neil Sang, Swedish University of Agricultural Science, Sweden
89 Christian Schöne, FOUND IT! Gründerzentrum der Hochschule Anhalt, Germany
90 Frank Schönnemann, Fa.:I-TECS, Germany

91 Frank Schröder, Landesgartenschau Burg, Germany
92 Göran H. Sevelin, Landscape architecture, planning and management, Sweden
93 Zhongzhe Shen, Iowa State University, United States
94 Dr. Michihiko Shinozaki, Shibaura Institute of Technology, Japan
95 Vikram Jeet Singh, WES GmbH, Germany
96 Cyra Sommer, Martin Luther Universität Halle Wittenberg, Germany
97 Dr. Ralf-Uwe Syrbe, Leibniz Institute, Germany
98 Matthias Voelzke, Anhalt University, Germany
99 George Wolter, Translation Services Halle, Germany
100 Buse Yolmaz, Istanbul Technical University, Turkey

DLA 2017 Graduate and Ph.D Student Participants

1 Sadiye G. Atalay, Istanbul Technical University, Turkey
2 Guotai Bao, Anhalt University, Germany
3 Serena Baquero, Anhalt University, Ecuador
4 Reshmaben Rahulkumar Bhandari, Anhalt University, Germany
5 Pranati Chaphekar, Anhalt University, India
6 Shipaul Bor Chowdhury, Anhalt University, Bangladesh
7 Alexander Y.H. Christensen, Anhalt University, Germany
8 Lin Donghui, Anhalt University, China
9 Henriette Dübner, Anhalt University, Germany
10 Emily Guo, University of Waterloo, Canada

11 Bao Guotai, Anhalt University, China
12 Akshay Hattiholi, Anhalt University, Germany
13 Jessica Seriani Hermanto, Anhalt University, Germany
14 Reshma Hirpara, Anhalt University, India
15 Shaho Ismail, Anhalt University, Kurdistan
16 Benjamin Katzer, Anhalt University, Germany
17 Johannes Kaup, Hochschule Anhalt, Germany
18 Shahrriar Khaleghian, Anhalt University, Germany
19 Wojciech Krakau, Politechnika Krakowska, Poland
20 Donghui Lin, Anhalt University, Germany
Neda Mahmoodi, Anhalt University, Germany
Setareh Masihzadeh Lari, Anhalt University, Germany
Natalie Modi, Hochschule Weihenstephan-Triesdorf, Germany
Vinitha Mohan, Anhalt University, India
Subhasish Mondal, Anhalt University, India
Tariq Mushtaq, Anhalt University, Pakistan
Melis Muslubas, Istanbul Technical University, Turkey
Lucas Oleschinsky, Anhalt University, Germany
Merle R. L. Pfaffelmoser, Anhalt University, Germany
Miriam Reichelt, Anhalt University, Germany
Allen Fuad, Rofoo College, Iraq
Sharvey Dhananjay Salkar, Anhalt University, India
Bayu Hafiz Saputro, Anhalt University, Indonesia
Annemarie Scholkofsky, Anhalt University, Germany
Jessica Seriani, Anhalt University, Indonesia
Haripriya Singh, Anhalt University, India
Zhe Xu, Hochschule Anhalt, Germany
Min Yin, RMIT University, Australia

Registration State: May 30, 2017
If your passion is fueled by experimental communication of your work, while exploring the boundaries of three dimensional digital landscapes, then **My 3D Landscape Student Poster competition** provides you with the opportunity you seek!

As a part of the DLA Conference 2017, we are inviting recent graduates and landscape architecture students to showcase their work. Submit your poster with your best 3D (or 4D) Landscape Architecture visualization and get a chance to win cash prizes.

The DLA 2017 poster competition has the following awards:

1st prize: 500 €

2nd prize: 300 €

3rd - 7th Prize: 250 € travel grant (Int. participants)

8th - 10th prize: 3x Laubwerk Plants Kits (149 € / kit)

10th - 25th prize: EsriPressBook+Wichmannpublication

All posters will be exhibited and published.

Special discount is available for all participants. International Participants with the 5 best online posters will receive a research travel grant of 250 € each to join the conference.

**Deadline for submission: May 30, 2017**

Details and poster submission portal: www.digital-la.de

Participate in the competition and have the opportunity to listen and meet leading speakers from around the world:

Prof. Dr. Adrienne Gret-Regamey (ETH), Prof. Antje Stokman (University of Stuttgart), Bradley Cantrell (Harvard University), Lawrie Jordan (Erdas Founder, Esri Redlands), Prof. Dr. Dana Tomlin (University of Pennsylvania), Dr. Stephen Ervin (Harvard University), Prof. Dr. Carl Steinitz (Casa/UCL and Harvard University), Prof. Dr. Jörg Rekittke (RMIT University, Australia), Prof. Dr. Jörg Schaller (TUM), Arancha Munoz-Criado, and many more ...

Image by Zuzana Jančovičová, Wageningen University, 1st prize DLA 2015
Poster Submission Student Competition
(first 18 entries)

#1 Another Scale of Wood
Aiste Ambrazeviciute, Academy of Fine Arts Vienna, Austria
Rhino, Maya, Zbrush, Photoshop
Video - www.vimeo.com/192784724

#2 The Jopo District
Stefan Eklöf, Aalto University, Finland
Video: www.prezi.com/jeced-g_cc50/?utm_campaign=share&utm_medium=copy

#3 Testing the Effectiveness of Augmented Reality in the Public Participation Process: A Case Study in the City of Bernburg
Toomaj Goudarznia, Anhalt University, Germany / Iran

#4 Simulation Tea Plantation Expansion
Min Yin, MIT University, Australia

#5 Combining 3D Point Clouds, Polygonal Data and Environmental Sound for Assessing Landscape Changes
Reto Spielhofer, ETH Zürich, Switzerland
Combination of different LiDAR data sources (ALS and TLS)

#6 Game Engine - Application: Stadtpark Rothenburg O.L.
Benjamin Katzer, Anhalt University, Germany
3D-Software: CryEngine 3 Sandbox: Software developer: CRYTEK

#7 Swimming Pond Redesign at Campus Strenzfeld in Virtual Reality
Mathias Feimer, Anhalt University, Germany
Renderings from a VR environment of the redesign of swimming ponds

#8 MY REAL 3D LANDSCAPE
Dominik Seidt, Hochschule für Wirtschaft u. Umwelt Nürtingen - Geislingen, Germany
Strenghts of physical models in combination with Augmented Reality

#9 Nanjing Jingling Shipyard Redesign
Junliang Zhang, Ball State University, United States
This project is a redesign of a former shipyard into a naturalized riverfront park.

#10 HFF (hybrid form finding)
Sahar Barzani, TUIC (Tehran Urban Innovation Center), Iran
Digital landscape- augmented- virtual reality in landscape architecture
#11 Interface
Chongning, Wang, RMIT University, Australia
E-Mail: s3392956@student.rmit.edu.au

#12 Square in the communication node
Wojciech Kloda, Politechnika Krakowska, Poland
*Desert of peace*

#13 AR for Change Simulation in Urban Planting
Nastaran Tebyanian, Penn State, United States
*Mobile application that models the landscape dynamic*

#14 Spatial and Sensible Planning of Chaotic Metropolitan City
Through GIS and Remote Sensing
Waqas Wajid, Anhalt University, Germany

#15 Landscape System Modelling
Afiq Fairuz, RMIT University, Australia – Singapore
*the .gif animation directly here: https://www.dropbox.com/s/tcqzxie0u468eu5/s3596252%20Animation.gif?dl=0*

#16 Disperse Morphologies
Daryl Wong, RMIT University, Australia
E-Mail: s3430793@student.rmit.edu.au

#17 Revitalization Of Kottuli wetland
Sarath Kapplangat Sarasan, Anhalt University, Germany
- country of origin: India
*At a macro level, this project focuses on developing an eco-tourism spot.*

#18 Healerscape
Ezgi Türkoğlu, ITU, Turkey
*River Design - student project about Bergama/İZMİR*

See all 42 poster entries listed on your voting list.
Another Scale of Wood
Aiste Ambrazeviciute, Academy of Fine Arts Vienna, Austria
Rhino, Maya, Zbrush, Photoshop, Video - www.vimeo.com/192784724
The Jopo District

Stefan Eklöf, Aalto University, Finland

Video: www.prezi.com/jeced-g_cc50/?utm_campaign=share&utm_medium=copy
Testing the Effectiveness of Augmented Reality in the Public Participation Process: A Case Study in the City of Bernburg

Toomaj Goudarznia, Anhalt University, Germany / Iran (a.o.)
Simulation Tea Plantation Expansion
Min Yin, MIT University, Australia
Combining 3D Point Clouds, Polygonal Data and Environmental Sound for Assessing Landscape Changes

Reto Spielhofer, ETH Zürich, Switzerland (a.o.)

Combination of different LiDAR data sources (ALS and TLS)
Game Engine - Application: Stadtpark Rothenburg O.L.
Benjamin Katzer, Anhalt University, Germany
3D-Software: CryEngine 3 Sandbox, Software developer: CRYTEK
Swimming Pond Redesign at Campus Strenzfeld in Virtual Reality
Mathias Feimer, Anhalt University, Germany
Renderings from a VR environment of the redesign of swimming ponds
MY REAL 3D LANDSCAPE
Dominik Seidt, Hochschule für Wirtschaft u. Umwelt Nürtingen - Geislingen, Germany
Strengths of physical models in combination with Augmented Reality
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Desert of peace
AR for Change Simulation in Urban Planting
Nastaran Tebyanian, Penn State, United States

Mobile application that models the landscape dynamic
Spatial and Sensible Planning of Chaotic Metropolitan City Through GIS and Remote Sensing
Waqas Wajid, Anhalt University, Germany
Landscape System Modelling
Afiq Fairuz, RMIT University, Australia – Singapore
*.gif animation: https://www.dropbox.com/s/tcqzxie0u468eu5/s3596252%20Animation.gif?dl=0
Disperse Morphologies
Daryl Wong, RMIT University, Australia
E-Mail: s3430793@student.rmit.edu.au
Revitalization Of Kottuli wetland
Sarat Kapplangat Sarasan, Anhalt University, Germany
- country of origin: India

At a macro level, this project focuses on developing an eco-tourism spot.
Healerscape
Ezgi Türkoğlu, ITU, Turkey
River Design - student project about Bergama/İZMİR
#21
HOUSE WITH MULTIPLE TERRACES

- Roof garden for your BBQ parties
- Plenty of natural areas for your kid
- Entrance designed for exhibiting special plants

The building is specially designed for terraces.
LESS CONCRETE MORE PLANTS!
THE TRANSECT
THE WALL & THE PLATFORM
PIERRE LOTI / EYÜP
ISTANBUL

LANDSCAPE DESIGN I
16-17 SPRING SEMESTER

Agnieszka Modrzewska

#26
ESCAPE FROM CITY
- Fildam Cistern

running, biking, sitting and relaxing without the noise and visuals of city

being in the middle of new and old settlements

New orders with spatial concrete units for Fildam Cistern through the history.

Creating awareness on people for urban empty spaces by providing new surfaces by folding.

Plan Scale: 1/500

Sadive Güldün Alay

K.U. FACULTY OF ARCHITECTURE
LANDSCAPE ARCHITECTURE
SOFTWARES USED ON POSTER: SKETCHUP & PHOTOSHOP CC 2019
maçka park turn into natural museum of dolmabahçe gashouse

changing slopes provide different experience for visitors

red line going on leads people
FOR LOOK OUT UPON AN OPEN AIR CISTERN THAT IS FILLED WITH BUSHES.
SIMULATING THE CHANGING LANDFORM OF MANGROVE-SALT MARSH IN WESTERN PORT BAY, MELBOURNE.
ESCAPE FROM TSUNAMI

Analyze Running Path of 2011 Tsunami In Risanuma

BACKGROUND
The 2011 earthquake off the Pacific coast of Tohoku was a magnitude 9.1 earthquake magnitude that occurred at 14:46, 11 March 11 of 2011.

It was the most powerful earthquake ever recorded to have hit Japan, and the fourth most powerful earthquake in the world since modern record-keeping began in 1900. This project looks to model the effects of the tsunami and other disasters by examining human movement against the area's topography and built form.

APPROACH
To identify a representative sample of the escape pathways of residents and land managers to create a simulation of the tsunami's effects and the likely escape routes of residents in Risanuma.

To estimate the escape of residents, points are randomly allocated across the coastline, and the shortest distance to a sufficiently high area calculated.

Given starting points for the tsunami account a 5 minutes before it arrived, I then calculated how far the residents could have traveled according to the average running speed. By measuring their position at the time of the tsunami's arrival, I could determine which positions along the road were far from high ground for residents to survive.

RESULTS
While confined to analysis, the results of the simulation are illustrative of how escape routes for residents are frustrated and often obstructed by the construction of urban forms but ultimately largely decided by the speed at which an advanced warning can be issued.

However, it does suggest critical locations in the landscape that could benefit from alternate escape or shelter methods, as well as a method to develop alternative patterns of settlement that would aid in disaster resilience.

TSUNAMI STRIKES

| TSUNAMI HEIGHT 24 M | RUNNING SPEED 70% |
| TSUNAMI SPEED 10 M/S | WAVE TIME 24% |

TOTAL SURVIVAL RATE

69.16%

TSUNAMI IN 120 S

BEFORE TSUNAMI

| FOREST | COASTLINE |
| RESIDENTS NEEDED TO ESCAPE TO HIGH GROUND | RESIDENTS ALREADY ON HIGH GROUND |

AFTER TSUNAMI

| FOREST | COASTLINE |
| RESIDENTS NEEDED TO ESCAPE TO HIGH GROUND | RESIDENTS ALREADY ON HIGH GROUND |
SPIRIT OF TAIYUAN CITY

Location: Centre of Taiyuan, China
Design Concept: Reconstruction of Yongding Historic district
Project Area: 145,000 m²

Introduction:
The design strategy is used to make the full use of existing land resources and peripheral residents within a livable environment, promote the development of cultural tourism, and increase the benefits.

Effects:
The pedestrian bridge connects the shopping mall and the cultural district.
The pedestrian walkway in the museum provides an accessible area.
The children's playground is a place that provides a safe environment for children.
The living area is used to improve the environment and quality of life of residents.
CALL FOR PAPERS and POSTERS
19th International Conference on Information Technologies in Landscape Architecture

The 19th annual International Conference on Information Technology in Landscape Architecture, Digital Landscape Architecture DLA 2018, will be held at Hochschule Weihenstephan-Triesdorf / University of Applied Sciences / Munich-Freising, Germany. We invite you to contribute to this conference on all aspects of technologies in landscape architecture. The “Extended Abstract” has a minimum of 800 words and maximum of two pages text including key references--addition selected graphics are optional. Abstracts are reviewed for full paper submission and possible presentation at the DLA Conference. Submit the abstract as a pdf file online via the web-based submission system at:

-> www.digital-la.de -> DLA Conference 2018 by October 1, 2017

Accepted abstracts are invited to submit a full paper for a second review. Accepted papers will be published as fully blind peer reviewed papers in 3 - 2018 Journal of Digital Landscape Architecture by Wichmann VDE Verlag, Berlin-Offenbach,

Main Theme and Suggested Topics:
You are cordially invited to submit abstracts for original, unpublished presentations focusing on the conference’s main theme:

Expanding the Boundaries:
Landscape Architecture in a Big Data World

In addition, abstracts are encouraged from one or more of these areas:

1) BIM for landscape
2) Drone/UAV based sensors and near-range photogrammetry in LA
3) Augmented reality (AR) in landscape architecture
4) Virtual reality (VR) and immersive displays in landscape design
5) Geodesign for Climate change
6) Mobile Devices for Geodesign
7) Algorithmic landscapes
8) Sharing designs through cloud computing
9) The Internet-of-Things in the landscape
10) Point cloud applications in landscape architecture
11) Digital 3D scanning and fabrication in landscape architecture
12) Social media in landscape architecture
13) Teaching digital landscape architecture

DLA Conference Local Chair 2018: Prof. Dr. Ulrich Kias / Dr. Olaf Schroth
DLA Conference Scientific Director: Prof. Erich Buhmann
JoDLA Review Process: www.digital-la.de or loel.dla@hs-anhalt.de
Journal of Digital Landscape Architecture • 3-2018

Important dates for the review process are:

**Abstracts due:** October 1, 2017
**Notification of acceptance:** November 1, 2017
**Full manuscript draft due:** December 1, 2017
**Reviewed manuscript due:** January 15, 2018
**Conference:** May 09–12, 2018
**Opening of Call for Posters:** February 1, 2018

**Invited Keynote Speakers:**
- **Prof. Dr. Stephen Sheppard** (University of British Columbia, Canada)
- **Mike Shilton** (Keyscape / Landscape Institute, UK)
- **Prof. Dr.-Ing. Markus Gerke** (TU Braunschweig, Germany)
- **Prof. Dr. Eckart Lange** (University of Sheffield, UK)
- **Prof. Joan Nassauer** (University of Michigan, USA) – tbc
  … More keynote speakers requested …

The conference language is English. The DLA 2018 conference will be held at the Hochschule Weißenstephan-Triesdorf /University of Applied Sciences, Freising.

For further information please contact:
- **Prof. Dr. Ulrich Kias**
  Hochschule Weißenstephan-Triesdorf / University of Applied Sciences
  Am Hofgarten 4, D-85350 Freising, Germany
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**Credits**

We would like to give special credits to the contributors of DLA 2017 brochures, posters and additional technical support.

- **Printing + Photography:** Renate Geue
- **English Language Consultant:** Jeanne Colgan
- **Graphic Design/ Web Design:** Markus Franke
- **CMS Management:** Prof. Joachim Kieferle
- **WIFI Installation:** Ralph Barnebeck
- **DLA Team Geodesign Workshop:** Henriette Dübner, Merle Pfaffelmoser, Miriam Reichelt, Annemarie Scholkofsky
- **MLA Organizational Team:** Vinitha Mohan, Khaula Tahir, Mohammad Obeidat, Haripriya Singh, Bayu Hafiz Saputro, Serena Baquero and many more
- **DLA Team Registration:** Grete Eschrich, Cyra Sommer
- **Additional Administrative Support:** Frau Eckstein, Frau Kahler, Frau Behrendt, Frau Klaus and others
DLA 2017 Location Map Bernburg

Supported by

- Wichmann
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