

Conference Program

Wednesday, May 30 Geodesign workshop (optional)

- 8:00 Registration** Registration desk in the building D1, foyer
Am Staudengarten 1, 85354 Freising
- 8:30 One day workshop** **Carl Steinitz, Olaf Schroth, Tess Canfield and Hrishi Ballal**
Building / Room United States / Germany / United Kingdom
D1.310 For further information please check dla2018.hswt.de/workshops
- 18:00 Registration** Registration desk in the building D1, foyer
Am Staudengarten 1, 85354 Freising
- 19:00 Welcome** **Cristina Lenz, Dean of the Faculty of Landscape Architecture,**
Building / Room **HSWT, Germany**
D1.201 **Ingrid Schegk, Vice-chair woman, BDLA Bavaria, Germany**
- Public keynote** **Joan Nassauer, University of Michigan, United States**
Visualization verisimilitude and civic participation
Moderation: N. N.
- 20:00 Welcome reception** Building D1 foyer, Am Staudengarten 1, 85354 Freising

Thursday, May 31 Geodesign concepts and applications

- 8:00 Registration** Registration desk in the building D1, foyer
Am Staudengarten 1, 85354 Freising
- 8:30 Welcome** **Markus Reinke, Vice-president HSWT, Germany**
Building / Room **Frank Bernack, Municipal councillor and Planning officer,**
D1.201 **City of Freising, Germany**
Jack Dangermond, Director ESRI (by video)
- 9:00 Keynote** **Kelleann Foster, Penn State University, United States**
„The data / tech wave is growing - How do we get more onto the Geodesign surfboard?“
Moderation: N. N.

10:00	Building D1 foyer	Poster presentation
10:30		Coffee break
11:00	<p>Parallel lecture session 1</p> <p>New applications of Geodesign</p> <p>Moderation: N. N.</p> <p>Building / Room D1.201</p>	<p><u>Yexuan Gu</u>, Brian Deal, University of Illinois, United States <i>Coupling systems thinking and Geodesign processes in land-use modelling, design and planning</i></p> <p><u>Stefan Taeger</u>, Lothar Ulferts, Osnabrück University, Germany <i>Beyond viewshed analysis - Extended approaches to visibility analysis in energy transition landscape</i></p> <p><u>Dor Schreier</u>, Tal Alon-Moses, Technion - Israel Institute of Technology, Israel <i>Evaluating the potential for green roof retrofit in urban fabric</i></p> <p><u>Jörg Rekittke</u>, Philipp Paar, Leibniz University Hannover, Germany <i>Decoupling design from presentation: a concept for cloud-based competition submissions and judgement</i></p>
11:00	<p>Parallel lecture session 2</p> <p>Big Data and landscape architecture</p> <p>Moderation: N. N.</p> <p>Building / Room D1.202</p>	<p>Wenquian Ma, Qiyue Sun, <u>Ye Chen</u>, Southeast University, China <i>Research on landscape performance evaluation technology based on Big Data multivariable ornamental plant database</i></p> <p><u>Don Royds</u>, Lincoln University, New Zealand <i>The Big Data analysis challenge for landscape architects</i></p> <p>Brian Deal, <u>Yexuan Gu</u>, University of Illinois, United States <i>Resilience thinking meets social-ecological systems (SESs): A general framework for resilient planning support systems (PSSs)</i></p> <p><u>Xi Lu</u>, Xiaojun Wang, University of Sheffield, United Kingdom <i>A methodological study of biotope mapping in urban areas: case of Xuanwu district, Nanjing City, China</i></p>
12:30		Lunch break
14:00	<p>Keynote</p> <p>Building / Room D1.201</p>	<p>Stephen Sheppard, University of British Columbia, Canada <i>Understanding professional media in the age of climate change: issues, theory, and what's changed in 40 years</i></p> <p>Moderation: N. N.</p>

<p>15:00 Parallel lecture session 3</p> <p><i>Geodesign for climate change</i></p> <p>Moderation: N. N.</p> <p>Building / Room D1.201</p>	<p><u>Ata Tara</u>, Yazid Ninsalam, Charles Anderson, RMIT University, Australia</p> <p><i>Interrogating urban renewal scenarios using skyline analysis in Fishermans Bend, Melbourne</i></p> <p><u>Jacqueline Zavala</u>, Irene Lorenzoni, Andrew Lovett, Katy Appleton, University of East Anglia, United Kingdom</p> <p><i>Community-led social planning: the contribution of visualizations to decision-making</i></p> <p><u>Medria Shekar Rani</u>, Eckart Lange, Ross Cameron, Olaf Schroth, University of Sheffield, United Kingdom</p> <p><i>Future development scenarios for climate change adaptation in Ci Kapundung upper water catchment area, Bandung Basin, Indonesia</i></p> <p><u>Muge Unal</u>, Cengiz Uslu, Ahmet Cilek, Mehmet Faruk Altunkasa, Cukurova University, Turkey</p> <p><i>Microclimate analysis to guide street tree planting in hot and humid city</i></p>
<p>15:00 Parallel lecture session 4</p> <p><i>Big Data and landscape architecture</i></p> <p>Moderation: N. N.</p> <p>Building / Room D1.202</p>	<p>António Ascensão, Catarina Ruivo, <u>Franklim Morais</u>, Laura Costa, Escola Superior Artística do Porto, Portugal</p> <p><i>Urban Park in Maia - Porto, a case study of 'Space Syntax' to Landscape Architecture</i></p> <p><u>David Tulloch</u>, Wansoo Im, Rutgers University, United States</p> <p><i>Towards using social media as a geospatial tool for measuring design impact on human experiences</i></p> <p><u>Muhamad Solehin Fitry Bin Rosley</u>, Eckart Lange, Kevin Thwaites, University of Sheffield, United Kingdom</p> <p><i>Mapping of public places: Integration of mobile devices and conventional mapping to investigate place identity in Muar, Malaysia</i></p> <p><u>Ming-Kun Xie</u>, Cheng Yuning, Southeast University, China</p> <p><i>A framework for the intelligent monitoring system of stormwater management based on the internet-to-things and wireless sensor networks</i></p>

16:30 Coffee break

- 17:00 **Parallel lecture session 5**
AR / VR in landscape architecture
Moderation: N. N.
- Brian Orland**, Micah Taylor, Tara Mazurczyk, Meredith Welch-Devine, Lacey Goldberg, Mary Candler Scales, Timothy Murtha, Jon Calabria, University of Georgia, United States
Augmented reality and the scenic drive
- Christian Soria**, Michael Roth, Weihenstephan-Triesdorf University, Germany
Unreal reality - An empirical investigation of augmented reality effects on spatial cognition in landscape architecture
- Ana Moural**, Helena Nordh, Ramzi Hassan, Norwegian University of Life Sciences, Norway
Tools for planning, design and communication in landscape architecture: from conventional approaches to virtual reality
- Building / Room D1.201
Ulrike Wissen Hayek, Laura Endres, Reto Spielhofer, Adrienne Grêt-Regamey, ETH Zurich, Switzerland
Sound ambiances consistent with visualizations of landscape types - An evaluation
- 17:00 **Parallel lecture session 6**
Teaching digital landscape architecture
Moderation: N. N.
- Zihao Zhang**, Andrew Mondschein, Mona El Khaffif, University of Virginia, United States
Human-technological assemblage: Designers in the Big Data World
- Philip Belesky**, RMIT University, Australia
The green grasshopper: Approaches to teaching computational design methods in landscape architecture
- Pia Fricker**, Aalto University, Finland
The real virtual or the real real - Entering mixed reality
- Building / Room D1.202
Dae Yong Kim, Matthias Pietsch, Nicole Uhrig, Hochschule Anhalt, Germany
Testing stamp rally mobile application to encourage self-learning local area enhancing "Wayfinding" and "Place Legibility" in multicultural society
- 17:00 **1,5 hour workshop**
Building / Room D1.310
Franklin Morais, Catarina Ruivo, Portugal
Digital tools for space syntax analysis in landscape architecture
- 19:00 **Public keynote**
Building / Room D1.201
Jörg Reikittke, Visiting Professor Leibniz University Hannover, Germany
Challenges and approaches of landscape research and design in the global south
Moderation: N. N.

8:30 RegistrationRegistration desk in the building D1, foyer
Am Staudengarten 1, 85354 Freising**9:00 Keynote**Building / Room
D1.201**Mike Shilton, Keyscape / Landscape Institute, United Kingdom**
Digital futures - BIM in landscape design: A UK Perspective
Moderation: N. N.

10:00**Coffee break**

**10:30 Parallel lecture
session 7*****BIM for
landscape***Moderation:
N. N.Building / Room
D1.201**Knut Hallgeir Wik, Marius Sekse, Bjørn Amund Enebo, Jostein Thorvaldsen, bar bakke landskapsarkitekter AS & COWI AS, Norway***BIM for landscape - a Norwegian standardization project***Timothy Murtha, Charles Golden, Ann Cyphers, Alexander Klipfel, Travis Flohr, University of Florida, United States***Beyond inventory and mapping: LIDAR, landscape and digital landscape architecture***Florian Zwangleitner, TU Berlin, Germany***Potentials and constraints: Digital design- and manufacturing tools for the creation of individualized street furniture***György Szabó, Ervin Wirth, Anna Czinkoczky, Szent István University, Hungary***Monitoring urban roadspace usage with radio frequency identification tags and internet-of-things***10:30 Parallel lecture
session 8*****Algorithmic
landscapes***Moderation:
N. N.Building / Room
D1.202**Stephen Ervin, Harvard GSD, United States***Sensory landscapes: Sensors and sensations in interactive cybernetic landscapes***Yuan Yangyang, Chen Yulong, Cheng Yuning, Southeast University, China***Logical construction and algorithm implementation: Research on parametric designs of naturalistic waterscapes***Austin Dunn, Bailey Hanson, Christopher J. Seeger, Iowa State University, United States***Evaluating walkability in the age of Open Data: Openstreetmap and community-level transportation analysis**(continuation see next page)*

Michael Roth, Silvio Hildebrandt, Sina Röhner, Christian Tilk, Hans-Georg Schwarz von Raumer, Frank Roser, Milena Borsdorff, Nürtingen-Geislingen University, Germany

Landscape as an area as perceived by people - Empirically-based nationwide modelling of scenic landscape quality in Germany

12:00 Lunch break

12:45 Guided tour **The Trial Garden (Sichtungsgarten) Weihestephan**
Am Staudengarten 8, 85354 Freising

13:30 Keynote **Markus Gerke, TU Braunschweig, Germany**
Building / Room *Developments in UAV-Photogrammetry*
D1.201 Moderation: N. N.

14:30 Parallel lecture session 9 **Matthias Pietsch, Matthias Henning, David Mader, Patrick Westfeld, Florian Etterer, Prof. Hellriegel Institut e.V., Germany**
UAV based sensors *Using unmanned aerial vehicles (UAV) for monitoring biodiversity measures in periurban and agrarian landscapes*
Moderation: **Wang Yijing, Cheng Yuning, Southeast University, China**
N. N. *Construction and analysis of 3D Scene Model of landscape space based on UAV Oblique Photography and 3D laser scanner*

Building / Room **Max Marschall, Yazid Ninsalam, Jane Burry, RMIT University, Australia**
D1.201 *Aerial weather stations and the quest to understand built environments*

Agnès Patuano, University of Edinburgh, United Kingdom
Measuring naturalness and complexity using the fractal dimensions of landscape photographs

14:30 Parallel lecture session 10 **Fernando Montaña, Weihestephan-Triesdorf University, Germany**
Social media *The use of geo-located photos as a source to assess the landscape perception of locals and tourists.*
Moderation: *Case studies: Two public open spaces in Munich, Germany*
N. N. **Ma Jie, Cheng Yuning, Southeast University, China**

Building / Room *Research on the relationship between urban public space behavior and landscape morphology based on Big Data of social networks*
D1.202

(continuation see next page)

Yalcin Yildirim, University of Texas at Arlington,
United States

"LISTENING" crowdsourced knowledge

Lucas Kaufßen, Hochschule Ostwestfalen-Lippe, Germany

*Landscape perception and construction in social media - an
analysis of user-generated content*

16:00		Coffee break
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16:30	Parallel 1,5 hour workshops	Silke Rossipal-Seifert, Olaf Schroth, Matthias Thoma , Germany <i>From UAV to DTM and visualization</i> For further information please check dla2018.hswt.de/workshops
	Geodesign: BIM Building / Room D1.202	
	GIS workflow Building / Room D1.310	Jörg Schaller, Johannes Gnadinger, Leon Reith , Germany <i>The integration of BIM and GIS - Depicted by current landscape planning examples</i> For further information look at dla2018.hswt.de/workshops
18:00	Closing panel Building / Room D1.201	Discussion panel with all speakers of the conference Introduction: 20th DLA at Anhalt University, May 23 - 25, 2019 Campus Dessau Moderation: N. N.
20:00	Conference dinner	DLA Awards Bräustüberl Weihenstephan, Weihenstephaner Berg 10, 85354 Freising

Saturday, 02 June

Excursions

1/2 day

public open spaces in Munich

Full day

Herrenchiemsee
(castle and garden of the Bavarian King Ludwig II)

Meeting points to be announced