

# 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 Building / Room D1.310	Carl Steinitz, Olaf Schroth, Tess Canfield and Hrish Ballal United States / Germany / United Kingdom / Ireland For further information please check <a href="http://dla2018.hswt.de/workshops">dla2018.hswt.de/workshops</a>
18:00	Registration	Registration desk in the building D1, foyer Am Staudengarten 1, 85354 Freising
19:00	Welcome Building / Room D1.202	Cristina Lenz, Dean of the Faculty of Landscape Architecture, HSWT, Germany Ingrid Schegk, Vice-chair woman, BDLA Bavaria, Germany
	Public keynote	Joan Nassauer, University of Michigan, United States <i>Visualization verisimilitude and civic participation</i> Moderation: Frieder Luz
20:00	Welcome reception	Building D1 foyer, Am Staudengarten 1, 85354 Freising

---

## Thursday, May 31 Geodesign concepts and applications / Big Data and landscape architecture

---

8:00	Registration	Registration desk in the building D1, foyer Am Staudengarten 1, 85354 Freising
8:30	Welcome Building / Room D1.202	Markus Reinke, Vice-president HSWT, Germany Frank Bernack, Municipal councillor and Planning officer, City of Freising, Germany Jack Dangermond, Director ESRI (by video)
9:00	Keynote	Kelleann Foster, Penn State University, United States <i>The data / tech wave is growing - How do we get more onto the Geodesign surfboard?</i> Moderation: Carl Steinitz
10:00	Poster presentation	Building D1 foyer, Am Staudengarten 1, 85354 Freising

10:30		Coffee break
11:00	<p>Parallel lecture session 1</p> <p><b><i>New applications of Geodesign</i></b></p> <p>Moderation: Ulrike Wissen Hayek</p> <p>Building / Room D1.202</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>, Philip 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><b><i>Big Data and landscape architecture</i></b></p> <p>Moderation: Brian Orland</p> <p>Building / Room D1.201</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><u>Muhamad Solehin Fitry Bin Rosley</u>, Eckart Lange, Kevin Thwaites, University of Sheffield, United Kingdom <i>Mapping of public places: Integration of mobile devices and conventional mapping to investigate place identity in Muar, Malaysia</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 D1.202</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: Olaf Schroth</p>

- 15:00 Parallel lecture session 3  
**Geodesign for climate change**  
Moderation: Stefan Taeger  
Building / Room D1.202
- Ata Tara, Yazid Ninsalam, Charles Anderson, RMIT University, Australia  
*Interrogating urban renewal scenarios using skyline analysis in Fishermans Bend, Melbourne*
- Jacqueline Zavala, Irene Lorenzoni, Andrew Lovett, Katy Appleton, University of East Anglia, United Kingdom  
*Community-led social planning: the contribution of visualizations to decision-making*
- Medria Shekar Rani, Eckart Lange, Ross Cameron, Olaf Schroth, University of Sheffield, United Kingdom  
*Future development scenarios for climate change adaptation in Ci Kapundung upper water catchment area, Bandung Basin, Indonesia*
- Muge Unal, Cengiz Uslu, Ahmet Cilek, Mehmet Faruk Altunkasa, Cukurova University, Turkey  
*Microclimate analysis to guide street tree planting in hot and humid city*
- 15:00 Parallel lecture session 4  
**Big Data and landscape architecture**  
Moderation: Pia Fricker  
Building / Room D1.201
- António Ascensão, Catarina Ruivo, Franklim Morais, Laura Costa, Escola Superior Artística do Porto, Portugal  
*Urban Park in Maia - Porto, a case study of 'Space Syntax' to Landscape Architecture*
- David Tulloch, Wansoo Im, Rutgers University, United States  
*Towards using social media as a geospatial tool for measuring design impact on human experiences*
- Brian Deal, Yexuan Gu, University of Illinois, United States  
*Resilience thinking meets social-ecological systems (SESS): A general framework for resilient planning support systems (PSSs)*
- Ming-Kun Xie, Cheng Yuning, Southeast University, China  
*A framework for the intelligent monitoring system of stormwater management based on the internet-to-things and wireless sensor networks*

---

16:30 Coffee break

---

- 17:00 Parallel lecture session 5  
**AR / VR in landscape architecture**  
Moderation: Mike Shilton  
Building / Room D1.202
- 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 of Applied Sciences, 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*
- 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: Michael Roth  
Building / Room D1.201
- Zihao Zhang, Andrew Mondschein, Mona El Khafif, 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*
- Dae Yong Kim, Matthias Pietsch, Nicole Uhrig, Anhalt University of Applied Sciences, 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
- Franklim Morais, Catarina Ruivo, Portugal  
*Digital tools for space syntax analysis in landscape architecture*
- 19:00 Public keynote  
Building / Room D1.202
- Jörg Reikittke, Visiting Professor Leibniz University Hannover, Germany  
*Challenges and approaches of landscape research and design in the global south*  
Moderation: Philip Paar

- 8:30 Registration Registration desk in the building D1, foyer  
Am Staudengarten 1, 85354 Freising
- 9:00 Keynote Mike Shilton, Keyscape / Landscape Institute, United Kingdom  
Building / Room *Digital futures - BIM in landscape design: A UK Perspective*  
D1.202 Moderation: Ulrich Kias
- 

10:00 Coffee break

---

- 10:30 Parallel lecture session 7  
**BIM for landscape**  
Moderation: Elke Mertens  
Building / Room D1.202
- 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 Klippel, Travis Flohr, University of Florida, United States  
*Beyond inventory and mapping: LIDAR, landscape and digital landscape architecture*
- Florian Zwangslleitner, 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: Jörg Rekitke  
Building / Room D1.201
- 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 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) Weißenstephan Am Staudengarten 8, 85354 Freising
13:30	Keynote Building / Room D1.202	Markus Gerke, TU Braunschweig, Germany <i>Developments in UAV-Photogrammetry</i> Moderation: Olaf Schroth
14:30	Parallel lecture session 9 <b>UAV based sensors</b> Moderation: Olaf Schroth Building / Room D1.202	<u>Matthias Pietsch</u> , Matthias Henning, David Mader, Patrick Westfeld, Florian Etterer, Prof. Hellriegel Institut e.V., Germany <i>Using unmanned aerial vehicles (UAV) for monitoring biodiversity measures in periurban and agrarian landscapes</i> <u>Wang Yijing</u> , Cheng Yuning, Southeast University, China <i>Construction and analysis of 3D Scene Model of landscape space based on UAV Oblique Photography and 3D laser scanner</i> <u>Max Marschall</u> , Yazid Ninsalam, Jane Burry, RMIT University, Australia <i>Aerial weather stations and the quest to understand built environments</i> Agnès Patuano, University of Edinburgh, United Kingdom <i>Measuring naturalness and complexity using the fractal dimensions of landscape photographs</i>
14:30	Parallel lecture session 10 <b>Social media</b> Moderation: Stephen Ervin Building / Room D1.201	Fernando Montaña, Weißenstephan-Triesdorf University of Applied Sciences, Germany <i>The use of geo-located photos as a source to assess the landscape perception of locals and tourists.</i> <i>Case studies: Two public open spaces in Munich, Germany</i> <u>Ma Jie</u> , Cheng Yuning, Southeast University, China <i>Research on the relationship between urban public space behavior and landscape morphology based on Big Data of social networks</i> <i>(continuation next page)</i>

Yalcin Yildirim, University of Texas at Arlington,  
United States

*"LISTENING" crowdsourced knowledge*

Lucas Kaufßen, Ostwestfalen-Lippe University of Applied  
Sciences, Germany

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

---

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

---

## Saturday, June 02

## Excursions

---

1/2 day	Public open spaces in Munich Meeting point: 8:30 am in front of the railway station in Freising
Full day	Herrenchiemsee (castle and garden of the Bavarian King Ludwig II) Meeting point: 7:50 am at the D1 building (Am Staudengarten 1), departure at 8:00 am, return at 6:00 pm