
Introduction

We are pleased to present to you the ninth issue of the Journal of Digital Landscape Architecture JoDLA 9-2024 with a total of 98 contributions. Approximately 150 authors from thirty countries sent in extended abstracts by the deadline in November. Thanks to the JoDLA review committee with more than eighty colleagues from twenty countries, we could select the final papers after two blind-review phases. These papers cover many of the topics of current digital landscape architecture. The contributions came from all Landscape Architecture programs in German speaking countries, and from a great number of American as well as Asian and Australian programs. Research units, and vendors specializing in applications for landscape architecture and leading landscape architecture offices also contributed. We are very happy that “publishing in JoDLA is an unwritten expectation – practically a requirement – for recognition / success in some university departments ” and we will do our best to keep and develop this standard.

After being listed in Scopus, the journal is now also listed in DOAJ (Directory of Open Access Journals). Wichmann publisher has been making the JoDLA, and its forerunner publication Digital Landscape Architecture, accessible as open access papers since 2013, and therefore provides ten years’ documentation of research in the area of Digital Landscape Architecture.

The cover of this issue, provided by Vollmer, Matthias, ETH Zurich, shows a mixed presentation using three different capture methods: an airborne Laser scanning for the background, a mobile laser scan from a car for the street scape, and a mobile handheld laser scan by Leica for the underground channel. The image indicates the multiple disciplinary cooperation among GIS and imaging experts in capturing and processing geodata, and the interdisciplinary application of this data by civil engineers, city planners and landscape architects as well. Digital landscape driven by multiple disciplines is the basis for the complex environmental modelling we are in need of.

The DLA 2024 is being organized for the first time by the Vienna University of Technology. We thank Univ. Prof. Michael U. Hensel PhD, Univ. Prof. Dr. sc. Susann Ahn, Univ. Prof. Dr.-Ing. Thomas E. Hauck for taking on the Chairs for DLA 2024. Being invited to Vienna also gave us the chance to thank Prof. Dr. Andreas Muhar from BOKU University of Natural Resources and Life Sciences for his early publication on digital landscape architecture in 1992. We would also like to thank Prof. Dr. Richard Stiles, the former landscape architecture chair of the Vienna University of Technology, for establishing the European Network of Landscape Architecture Educators, LENOTRE, instrumental in building our European community.

The main theme of DLA 2024 at Vienna University of Technology is **New Trajectories in Computational Urban Landscapes and Ecology**.

In addition to the main theme, we provided a number of other possible areas for submitting papers on current research or outstanding practice in digital landscape architecture.

The ninth issue of the Journal of Digital Landscape Architecture 9-2024 covers 98 contributions on the following current areas of research and prototype applications in digital landscape architecture:

- Digital Approaches to Participation and Co-creation
- Digital Responses to Nature-based and Nature-integrated Solutions
- Data-driven Design for Integrating Ecology and Architecture
- Ecological Modeling and Simulation
- Energy Landscapes
- Decision Support for Social-Ecological Systems
- Sensorics and Responsive Landscapes
- Resilient Landscapes, Global Change and Hazard Response
- UAV Imagery and Remote Sensing
- Geodesign Approaches, Technologies, and Case Studies
- Algorithmic Design and Analysis of Landscapes
- Landscape and Building Information Modeling (LIM + BIM)
- Visualization, Animation and Mixed Reality (VR, AR)
- Teaching Digital Landscape Architecture

In the preface, James Palmer gives an editorial overview of these many contributions.

We hope you will appreciate the ninth edition. The printed copies will be sent out on request to all participants before the conference at the beginning of June 2024.

You will find all the contributions online as open access publications at the gis.Point and gis.Open platforms of Wichmann <http://gispoint.de/jodla.html>.

We would also like to invite you to the next DLA conference. The 26th international conference on information technology in landscape architecture, Digital Landscape Architecture DLA 2025 with the main theme “Collaboration”, will be held from June 4 to 6, 2025 at Anhalt University in Dessau, Germany. Furthermore, we can already announce that the DLA 2026 will be hosted by University College Dublin.

The Journal of Digital Landscape Architecture invites you to submit ideas for special issues and topics. Please follow our continuously updated announcements and call for papers and posters at www.dla-conference.com. Here you will also find the complete online documentation of the DLA beginning from the year 2013. For earlier contributions of DLA publications, you may ask our JoDLA office.

Erich Buhmann, Stephen Ervin, Pia Fricker, Sigrid Hehl-Lange, James Palmer, as well as Michael U. Hensel, Susann Ahn and Thomas E. Hauck