

Weinheim Symposium on Green Civil Engineering 2022

Celebrating 100 Years of Scientific
Dialogue in Germany



We are excited to announce the **Weinheim Symposium on Green Civil Engineering** to be held from January 24-25, 2022, supported by the Ernst & Sohn journal **Civil Engineering Design**.

This virtual meeting will bring together German researchers from all areas of civil engineering and offer them a forum to present and discuss their latest findings. We are **now inviting contributions to the symposium**.

THE TOPIC

The most important challenge for the building industry in the 21st century is to achieve CO₂-neutral construction. Speed, durability and resource efficiency are of paramount importance in meeting the challenges of global population growth. At the same time, the digitalization of the building industry is providing new concepts for both existing and new structures.

Four main topics relate to current and strategic research areas. The goals of sustainable building are to minimize the consumption of energy and fossil resources. New technological developments allow for a new generation of adaptive structures and materials, whose shape or geometry can be modified. Automated manufacturing and construction allow for an increase of efficiency and ecology and represent therefore great opportunities. Digital technologies allow for new approaches to these challenges.

JOIN THE EVENT

The symposium organizers are now inviting the German research community to submit proposals for contributions. We are looking for ten-minute, English language talks on research into innovative methods and materials in civil engineering. They will be grouped in four sessions, each chaired by topic experts, and followed by time for discussion.



Main organizers and symposium chairs:

O.Univ.Prof. Dipl.-Ing. MSc. Ph.D. Dr.phil. Dr.techn. Konrad Bergmeister and
Prof. Dr.-Ing. Manfred Curbach

Confirmed session chairs and topics:

• Innovative Materials and Structures

Jun.-Prof. Maria Matheou (University of Stuttgart)

Univ.-Prof. Dr.-Ing. Dr.-Ing. E. h. Manfred Curbach (Technical University of Dresden)

• Computational Design and Engineering

Prof. Andreas Taras (ETH Zurich)

Prof. Dr.-Ing. Jan Akkermann (University of Applied Sciences Karlsruhe)

• Automatic Modularized Manufacturing & Constructions

Prof. Benjamin Kromoser (University of Natural Resources and Life Science, Vienna)

Univ.-Prof. Dr.-Ing. Dipl.-Wirt. Ing. Oliver Fischer (Technical University of Munich)

• Climate Protection and Resource Efficiency

Dr.-Ing. Alex Hückler (Technical University of Berlin)

Prof. Dr.-Ing. habil. Peter Mark (Institute of Concrete Structures, Ruhr Universität Bochum)

Contributions from early career researchers such as PhD students and postdoctoral researchers are very welcome at this symposium and they are encouraged to participate.

A New Forum for the German Research Community

Much of the exchange that is so vital to scientific progress has been impeded due to the pandemic. Early career researchers have been particularly cut off from traditional channels like conferences and meetings to get the word out about their research and connect with the scientific community. We want to reverse this trend and provide a virtual forum for the communication of civil engineering research in Germany that is open for early career researchers just as much as other experts who are looking for opportunities to present their work.



About Weinheim Symposia

This will be a milestone in a series of Weinheim Symposia to be held in 2021 and 2022. It was 100 years ago that Verlag Chemie (later to move to Weinheim and become Wiley-VCH) was founded and we first started partnering with the scientific community of Germany. Today, we are proud to be able to offer researchers at German institutions full access to our portfolio of 1700+ journals and unprecedented **open access publishing opportunities**, thanks to our partnership with Projekt DEAL.

What better way to celebrate **Wiley-VCH's 100-year anniversary** than to engage in what has been at the heart of our mission this whole time: to encourage and facilitate scientific dialogue.

Submission Guidelines

We invite members of German research institutions to upload a file (PDF/WORD) containing a tentative title, short abstract, and list of author(s) and affiliation(s) to <https://mc.manuscriptcentral.com/cend>. The editorial office of Civil Engineering Design will follow with a personalized invitation over the journal's submission tool and share the full submission guidelines and details.

You will be asked to submit a full paper to Civil Engineering Design by October 16, which will then undergo the normal scientific peer review. Contributions that have been accepted for publication by December 17, 2021 will be eligible to present their work as part of the special virtual conference event on January 24-25, 2022.





About the journal

Civil Engineering Design is an e-only journal in English, based on Ernst & Sohn's well-known journal Bautechnik. While maintaining the interdisciplinary and material-independent scope of the original, it focuses exclusively on scientific publications with short review and production times until published online.

With Civil Engineering Design, Ernst & Sohn provides scientists with a speedy option to publish in an independent journal, bearing the needs of the international research community in mind.

Civil Engineering Design deals with innovative theoretical, numerical and experimental methods for current and new building materials, such as concrete, steel, aluminium, glass, timber, masonry, composite materials, and all aspects of conceptual, structural and performance-based design, experimental testing and numerical modelling, including construction, maintenance and demolition, for the entire life-cycle of structures. The inclusion of geotechnical engineering and soil mechanics from a structural engineering perspective completes the picture.

This interdisciplinary orientation allows the publishing house to address the scientific community's growing need for opportunities to publish interdisciplinary research results in the field of construction engineering in the highly specialized journal landscape.

Contact Us

Please help us to spread the word about this exciting event! We look forward to your participation and please don't hesitate to contact us with any questions at civilengineeringdesign@wiley.com