

Test specimen with a fiber optic sensor in the triaxial testing machine in the Otto Mohr Laboratory of TU Dresden | Stefan Gröschel

SCIENTIFIC COMMITTEE

The committee unites numerous excellent, internationally renowned scientists

SUBMIT YOUR CONTRIBUTION

Templates for submitting abstracts and papers are available on the conference website

PROCEEDINGS

After abstract acceptance, there are two options: submission of an extended abstract, or of a full paper. Full papers will be published open access (CC-BY-NC-ND license) in the conference proceedings in a dedicated issue of Procedia Structural Integrity (Elsevier). The papers will be indexed in Scopus and Web of Science. Extended abstracts will be available as open access downloads from the conference homepage but will not be indexed.

AWARDS

Mirko Roš Awards for two best papers

IMPORTANT DATES

- Abstract submission: July 1 to October 15, 2025
- Abstract acceptance notification: December 10, 2025
- Submission of extended abstracts or full length papers: March 18, 2026
- Early bird registration: until April 22, 2026
- Extended abstracts or full length papers acceptance notification: April 22, 2026
- Registration and payment of presenting author: until May 31, 2026
- Submission of final revised papers or extended abstracts: until June 3, 2026

TICKETS

You can book tickets for the scientific program, the evening event, as well as pre and post conference tours directly online.

ORGANIZERS

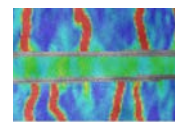
TUDIAS GmbH, Dresden, in cooperation with TUD Dresden University of Technology (Institute of Concrete Structures) and Empa (Dübendorf, Switzerland)

IMPORTANT INFORMATION

TUD Dresden University of Technology
Institute of Concrete Structures (IMB)
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SMAR 2026



8th International Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures

August 26–28, 2026, Dresden, Germany

SMAR 2026 – a top-class conference in the center of Europe. We address key topics in the field of construction and offer the ideal setting for discussion and networking in one of the most beautiful and innovative cities in Europe.



LOCATION

TUD Dresden University of Technology
in Dresden, Germany

tu-dresden.de



DATE

- Main event: August 26–28, 2026
- Pre and post conference program: August 25 and August 29, 2026

MAIN TOPICS

- Advanced materials, smart structures and visionary technologies for structural innovation
- Performance and damage assessment of components and structures
- Renovation, repair, and structural strengthening
- Innovative measurement and analyzing methods
- Long-term and predictive structural health monitoring
- Practical applications and case studies
- Durability, performance and sustainability over the entire life cycle

PARTICIPANTS

- 400 experts personally on site, among them 250–300 lecturers from all over the world
- 1 Structure's operators and owners who are looking for innovative solutions for the maintenance of their:
 - Buildings
 - Industrial plants
 - Bridges
 - Tunnels and channels
- 2 Employees from companies and scientific institutions who deal with the key topics of SMAR 2026

GOALS

The topics of long-term and predictive structural health monitoring, refurbishment, repair and structural strengthening, further development of innovative measurement techniques, and researching and exploiting the benefits of digitalization are becoming increasingly important. Compared to other construction sectors, this market is growing rapidly, continuously driving innovation and generating increasing revenues.

SMAR 2026 presents the the latest international innovations in these areas, introduces key players, and fosters networking among them. Our goal is to initiate new business and scientific relationships, and collaborations between companies and research institutions.

LOCATION

Dresden is one of the most beautiful and innovative cities in Europe, rich in history, and a hub of the global chip industry. Dresden is known for its abundant nature, classical high culture, and outstanding museums, as well as a vibrant nightlife and youth scene. In the booming region around Dresden, carbon-reinforced concrete has been developed to practical maturity, and leading car brands such as BMW, Porsche, Tesla, and VW manufacture their vehicles here.

Dresden is also one of the key research hubs in Europe. With more than 40 research and development institutions, over 10,000 scientists, and approximately 40,000 students, the city and the near surroundings are a center for innovation and scientific exchange.

Dresden has profited from Germanys massive investment program for the modernization of its infrastructure at the beginning of 2025. This makes Germany not

only one of the strongest economies, but also a global center for the monitoring, assessment, and rehabilitation of structures.

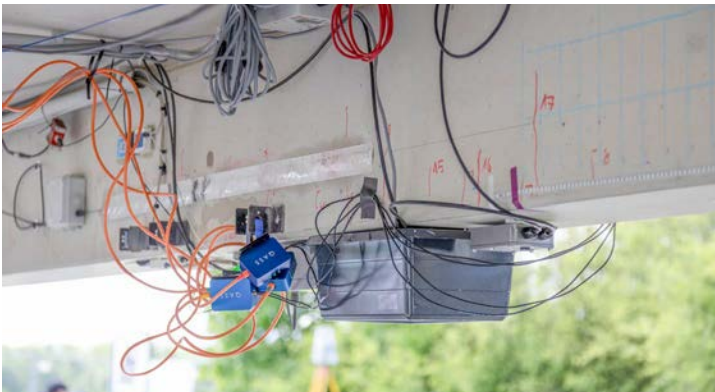
CONFERENCE VENUE

The event will take place at the TUD Dresden University of Technology, which is one of Germany’s eleven Universities of Excellence. Its roots date back to 1828. Today, TU Dresden hosts approximately 30,000 students and offers academic education in 17 faculties. We invite you to visit us in August 2026, perfectly timed before the busy conference months of September and October.

SCIENTIFIC PROGRAM

There will be 250–300 scientific lectures and an exhibition of companies and institutions, an evening event and several accompanying programs. During several coffee and lunch breaks, we offer time and space to become acquainted, for networking and discussions, and for maintaining contacts.

The main features of the scientific program have been outlined on the homepage. Details will follow after paper acceptance.



Research into modern monitoring concepts | Stefan Gröschel

PRE AND POST CONFERENCE PROGRAM

SMAR 2026 features an exciting pre and post conference program. On August 25, the program includes tours of several state-of-the-art laboratories in Dresden’s scientific landscape. On August 29, we plan a paddle steamer trip on the Elbe River, offering exciting views of various historical and modern buildings from the water, followed by a visit to outstanding technical museums in Dresden.



The Johanneum houses the Dresden Transport Museum | ddpix.de

CULTURAL HIGHLIGHTS AND ACTIVITIES

Dresden is a tourist magnet with numerous outstanding sights in and around the city: unique buildings, museums, theaters, nightlife and clubs, natural wonders, chip and car production sites, and much more – sights that would fill a vacation of more than 14 days.

There’s always something going on in the city. Use your free time for city tours, sports, or attending the film nights (from June 25 to August 30, 2026) on the banks of the Elbe River. Additional activities include boat rides on the Elbe, biking, or hiking in Saxon Switzerland, balloon flights, and much more.

ARRIVAL AND ACCOMMODATION

Dresden is easily accessible by plane, train, bus, or car. The city is ideal for walking and cycling. And there are various public transport options. Also, Dresden offers numerous hotels of every category.

LOCAL ORGANIZING COMMITTEE

- **Prof. Dr.-Ing. Steffen Marx**, Chair of Local Organizing Committee, Institute of Concrete Structures, TU Dresden (Germany)
- **Prof. Dr. Moslem Shahverdi**, Co-Chair of Local Organizing Committee | Structural Engineering Lab, Empa (Dübendorf, Switzerland)
- **Prof. Dr. Masoud Motavalli**, Honorary Chair of SMAR 2026 | Structural Engineering Lab, Empa (Dübendorf, Switzerland)
- **Prof. Enzo Martinelli**, Honorary Chair of SMAR 2026 | Department of Civil Engineering, University of Salerno (Italy)
- **Prof. Dr.-Ing. Yvonne Ciupack**, Head of International Scientific Committee | Department of Steel Construction, TU Darmstadt (Germany)



The carbon-reinforced concrete CUBE research building | Stefan Gröschel