

Key Dates

Deadline for abstract submission:	31 December 2018
Abstract acceptance notification:	31 January 2019
Submission of full lengths papers:	31 March 2019
Paper acceptance notification:	31 May 2019
Registration of presenting authors:	31 May 2019
Early bird registration:	14 June 2019
Submission of final revised papers:	15 July 2019
Pre-conference scientific tour:	26 August 2019
SMAR 2019 conference:	27 – 29 August 2019

Registration Fees

Early bird registration until 14 June 2019: 750.00 € and 300.00 € for students

Standard registration after 14 June 2019: 850.00 € and 400.00 € for students

For presenters: The inclusion of accepted papers in the conference proceedings requires that the payment of the registration fee is received not later than 31 May 2019.

Registration fee includes:

Conference documentation of full papers, ticket for conference reception and conference dinner, coffee breaks and lunches

Accompanying persons (non-scientists): 200.00 €

including ticket for conference reception and conference dinner, coffee breaks and lunches

Accommodations at: www.smar2019.org and www.potsdam-tourism.com

Language

The official conference language is English.

Cancellation

by 16 July, 2019: 50 % of participation fee

from 17 July, 2019: no refund possible

Pre-Conference Scientific Tour

To be announced soon

Conference Secretary

Ms. Steffi Dehlau | German Society for Nondestructive Testing (DGZfP)

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Institutional Sponsors:

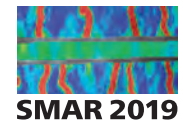


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1ST ANNOUNCEMENT AND CALL FOR ABSTRACTS



5th International Conference on
Smart Monitoring, Assessment and
Rehabilitation of Civil Structures



27 – 29 August 2019

www.smar2019.org

Scope

The International Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, SMAR 2019, will provide a forum for international scientists, engineers, enterprisers and infrastructure managers to present and discuss the state-of-the-practice and recent advances in testing and monitoring technology, in structural modelling and assessment methods, and in the application of advanced materials for structural rehabilitation. The conference will provide a platform for exploring the potential of international cooperation.

SMAR 2019 is the fifth conference and will be sponsored jointly by the Bundesanstalt für Materialforschung und -prüfung (BAM), Germany, the Swiss Federal Laboratories for Materials Science and Technology (Empa), Switzerland, the Istanbul Technical University (ITU), Turkey, the International Society for Structural Health Monitoring of Intelligent Infrastructure (ISHMII), the International Institute of FRP in Construction (IIFC) and RILEM.

Topics

Structural health monitoring

- Smart sensors
- Wireless sensor networks
- Implementation of structural monitoring
- Monitoring of off-shore structures and oil pipelines
- Advanced inspection and testing
- System identification and model updating
- Vibration-based structural health monitoring
- Non-destructive testing in civil engineering

Performance and damage assessment – Safety evaluation and reliability forecast

Damage control, repair and strengthening

- External strengthening using FRP composites
- Strengthening of concrete, timber and steel structures
- Confinement of concrete columns
- Near surface mounting reinforcement
- Seismic safety assessment, rehabilitation and monitoring
- Strengthening, monitoring and life-cycle assessment of metallic structures

Durability issues as related to harsh environments – Fire protection systems

Shape memory alloys in civil structures

- Nickel-titanium, copper on iron-based SMA
- Application of SMA for civil structures using special properties such as damping superelasticity, shape memory effect of ductility

Practical applications and case studies

Visionary concepts

Mirko Roš award for the best papers

1 paper in the field of Structural Assessment & Health Monitoring

1 paper in the field of Strengthening and Repair

Selected best papers will be proposed for publication in a Journal Special Issue of the Polymer Journal (online, open access) or in the Bulletin of Earthquake Engineering (Springer) or in the Journal Engineering Structures (Elsevier)

Conference Venue

City / Country: Potsdam/Germany

Venue: Hotel Dorint Sanssouci Berlin-Potsdam

<https://hotel-potsdam.dorint.com/de/>

Date: 27 – 29 August 2019

Conference Chairs

Dr. Rosemarie Helmerich, BAM, Germany

Prof. Alper Ilki, Istanbul Technical University, Turkey

Prof. Masoud Motavalli, Empa, Switzerland

Organising Committee (OC)

Dr. Matthias Baeßler, BAM, Germany

Dr. Werner Daum, BAM, Germany

Bernadette Havranek, Empa, Switzerland

Dr. Matthias Purschke, DGZfP, Berlin

Dr. Matthias Bartholmai, BAM, Germany

Steffi Dehlau, DGZfP, Berlin

Prof. Yuri Petrina, TU Berlin, Germany

Robert Widmann, Empa, Switzerland

International Scientific Committee

Council members of ISHMII, IIFC and others, as announced on the conference website www.smar2019.org

Keynote Lecturers

To be announced soon on the conference website www.smar2019.org

Sponsorship and Exhibition

A vendor exhibition will be conducted to complement the technical presentations. Lucrative sponsorship and exhibition packages give all interested companies the opportunity to present themselves to business partners and new customers. For that reason we offer the following sponsorship and exhibition packages:

- Gold sponsor
- Sponsor
- Exhibitor

More information on the different categories and the order form, you can find on the conference website www.smar2019.org.