

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

Cancellation

by 16 July, 2019: 50 % of participation fee

from 17 July, 2019: no refund possible

Language

The official conference language is English.

Pre-Conference Scientific Tour

To be announced soon

Conference Secretary

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

Max-Planck-Str. 6 | 12489 Berlin | Germany

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Institutional Sponsors:



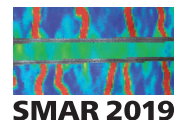
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CALL FOR ABSTRACTS



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), the International Association for Bridge Maintenance and Safety (IABMAS), RILEM and Sensors – Open Access Journal.

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

Please submit your abstract by 31 December 2018 at www.smar2019.org

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), dedicated to SMAR 2019 conference.

Conference Venue

27 – 29 August 2019 | Potsdam/Germany | Hotel Dorint Sanssouci Berlin-Potsdam
<https://hotel-potsdam.dorint.com>

Conference Chairs

Dr. Rosemarie Helmerich, BAM, Germany
Prof. Alper Ilki, Istanbul Technical University, Turkey
Prof. Masoud Motavalli, Empa, Switzerland

Organising Committee

Dr. Matthias Baeßler, BAM, Germany	Dr. Matthias Bartholmai, BAM, Germany
Dr. Werner Daum, BAM, Germany	Steffi Dehlau, DGZfP, Germany
Bernadette Havranek, Empa, Switzerland	Prof. Yuri Petryna, TU Berlin, Germany
Dr. Matthias Purschke, DGZfP, 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

Prof. Janet Lees University of Cambridge, UK – FRP Strengthening of Concrete Structures

Prof. Danièle Waldmann-Diederich University of Luxembourg – The Deformation Area Difference (DAD) Method for Condition Assessment of Bridge Structures

Prof. Joaquim António Oliveira de Barros University of Minho, Portugal – Extending the Strengthening Potentialities of Near Surface Mounted Technique: From Experimental Evidence to Advanced Numerical Simulations

Prof. Eugen Brühwiler EPFL, Switzerland – Fatigue Monitoring of Bridges and UHPFRC to Strengthen Bridges – Recent Research Results and Applications

Prof. Baochun Chen Fuzhou University, China – Damage Control, Repair and Strengthening of Concrete Bridges in China

Prof. Ahmet Yakut METU, Turkey – Recent Advances on Assessment of Seismic Performance of Existing Structures

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:

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|------------------|-------------|
| • Gold sponsor | • Sponsor |
| • Silver sponsor | • Exhibitor |

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