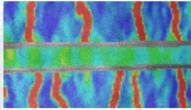


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8th International Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures

August 26-28, 2026 | Dresden, Germany

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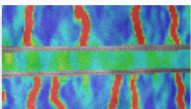
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8th International Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures
SMAR 2026
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Overview > Conference Agenda

Overview and details of the sessions of this conference. Please select a date or location to show only sessions at that day or location. Please select a single session for detailed view (with abstracts and downloads if available).

Navigation: Show Presentations, List View, Grid View, Timeline View, Titles, Authors, Table with Max 4 Columns, Search: Name, Title...

Date: Wednesday, 26/Aug/2026

11:36:41am CEST | Max Muster | Logout

Conference Agenda

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Daily Overview

Date: Wednesday, 26/Aug/2026

08:00am: Opening session
Location: PCT 16
Chair: Przemek Chapiński
Chair: Sławomir Marz

09:30am: Coffee break
Location: Exhibition and Catering Rooms: BEY 138, 139, 140

10:00am: R5.04: Keynote lectures
Location: PCT 16
Chair: Sławomir Marz
Speakers: Zdzisław Skrzypczak and Mark F. Steen

10:30am: Lunch break
Location: Beut-Mensa

11:00am: Supplementary lecture
Location: PCT 16
Chair: Sławomir Marz
Speaker: Sławomir Marz

11:30am: BE03-1: Railway track monitoring – an essential basis for the optimization of railway infrastructure
Location: BEY 138
Chair: Marc Wenner
Chair: Günther Grunert

12:00pm: BE04: Load testing of bridges
Location: BEY 137
Chair: Sławomir Marz
Chair: Sławomir Marz

12:30pm: BE05-6: Research on shape memory alloys in Germany
Location: BEY 137
Chair: Sławomir Marz
Chair: Sławomir Marz

13:00pm: BE06-1: Hybrid construction and strengthening with new and additive manufacturing
Location: BEY 137
Chair: Sławomir Marz
Chair: Sławomir Marz

13:30pm: BE10-1: Advances and applications of vibration based structural health monitoring
Location: PCT 16
Chair: Sławomir Marz
Chair: Sławomir Marz

14:00pm: BE12-1: Advances in fiber optic sensing solutions for infrastructure geotechnics, and earth sciences
Location: BEY 138
Chair: Sławomir Marz
Chair: Sławomir Marz

14:30pm: BE12-2: Advances in fiber optic sensing solutions for infrastructure geotechnics, and earth sciences
Location: BEY 138
Chair: Sławomir Marz
Chair: Sławomir Marz

15:00pm: BE12-3: Advances in fiber optic sensing solutions for infrastructure geotechnics, and earth sciences
Location: BEY 138
Chair: Sławomir Marz
Chair: Sławomir Marz

15:30pm: BE12-4: Advances in fiber optic sensing solutions for infrastructure geotechnics, and earth sciences
Location: BEY 138
Chair: Sławomir Marz
Chair: Sławomir Marz

16:00pm: Coffee break
Location: Exhibition and Catering Rooms: BEY 138, 139, 140

16:30pm: BE12-5: Advances in fiber optic sensing solutions for infrastructure geotechnics, and earth sciences
Location: BEY 138
Chair: Sławomir Marz
Chair: Sławomir Marz

17:00pm: BE12-6: Advances in fiber optic sensing solutions for infrastructure geotechnics, and earth sciences
Location: BEY 138
Chair: Sławomir Marz
Chair: Sławomir Marz

17:30pm: BE12-7: Advances in fiber optic sensing solutions for infrastructure geotechnics, and earth sciences
Location: BEY 138
Chair: Sławomir Marz
Chair: Sławomir Marz

18:00pm: BE12-8: Advances in fiber optic sensing solutions for infrastructure geotechnics, and earth sciences
Location: BEY 138
Chair: Sławomir Marz
Chair: Sławomir Marz

18:30pm: BE12-9: Advances in fiber optic sensing solutions for infrastructure geotechnics, and earth sciences
Location: BEY 138
Chair: Sławomir Marz
Chair: Sławomir Marz

19:00pm: BE12-10: Advances in fiber optic sensing solutions for infrastructure geotechnics, and earth sciences
Location: BEY 138
Chair: Sławomir Marz
Chair: Sławomir Marz

19:30pm: BE12-11: Advances in fiber optic sensing solutions for infrastructure geotechnics, and earth sciences
Location: BEY 138
Chair: Sławomir Marz
Chair: Sławomir Marz

20:00pm: BE12-12: Advances in fiber optic sensing solutions for infrastructure geotechnics, and earth sciences
Location: BEY 138
Chair: Sławomir Marz
Chair: Sławomir Marz

20:30pm: BE12-13: Advances in fiber optic sensing solutions for infrastructure geotechnics, and earth sciences
Location: BEY 138
Chair: Sławomir Marz
Chair: Sławomir Marz

21:00pm: BE12-14: Advances in fiber optic sensing solutions for infrastructure geotechnics, and earth sciences
Location: BEY 138
Chair: Sławomir Marz
Chair: Sławomir Marz

21:30pm: BE12-15: Advances in fiber optic sensing solutions for infrastructure geotechnics, and earth sciences
Location: BEY 138
Chair: Sławomir Marz
Chair: Sławomir Marz

22:00pm: BE12-16: Advances in fiber optic sensing solutions for infrastructure geotechnics, and earth sciences
Location: BEY 138
Chair: Sławomir Marz
Chair: Sławomir Marz

22:30pm: BE12-17: Advances in fiber optic sensing solutions for infrastructure geotechnics, and earth sciences
Location: BEY 138
Chair: Sławomir Marz
Chair: Sławomir Marz

23:00pm: BE12-18: Advances in fiber optic sensing solutions for infrastructure geotechnics, and earth sciences
Location: BEY 138
Chair: Sławomir Marz
Chair: Sławomir Marz

23:30pm: BE12-19: Advances in fiber optic sensing solutions for infrastructure geotechnics, and earth sciences
Location: BEY 138
Chair: Sławomir Marz
Chair: Sławomir Marz

00:00am: BE12-20: Advances in fiber optic sensing solutions for infrastructure geotechnics, and earth sciences
Location: BEY 138
Chair: Sławomir Marz
Chair: Sławomir Marz

4. Here you can find any information regarding time planning and sessions, e.g.:

8th International Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures
SMAR 2026
August 26-28, 2026 | Dresden, Germany

Sessions

11:41:12am CEST | Max Muster | Logout

Overview > Conference Agenda > Session Time

Conference Agenda

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Agenda Overview

Session

MS03-1: Railway track monitoring – an essential basis for the optimization of railway infrastructure

Time: Wednesday, 26/Aug/2026: 2:00pm - 4:00pm
Location: BEY 138

Session Chair: Marc Wenner
Session Chair: Günther Grunert

Session Abstract

The railway network plays a vital role in achieving climate targets by shifting both passenger and freight transport from road to rail. To support this transition, railway infrastructure must be reliable, robust, and highly available. Monitoring is key to understanding existing systems and guiding the development of improved ones. This mini-symposium will explore both trackside and onboard (vehicle-side) monitoring approaches. Topics include track behaviour under dynamic loads, resistance to buckling, structural responses on bridges, and emerging trends in continuous monitoring via regular passenger trains. A special focus is placed on fostering interdisciplinary exchange across domains that are currently only loosely connected, but where strong synergies are possible. The symposium aims to bring together experts from research, industry, and operations to inspire collaboration and drive innovation in monitoring technologies for the railways of the future.

Presentations

Smart Instrumented Test Track for Advanced Railway Superstructure Evaluation

Gschwandl, Timna Jakomijna¹; Gabernig, Thomas²; Prettnner, Lukas¹; Mayer, Thomas³
1: voestalpine Rail Technology GmbH; 2: TU Graz, Institute of Railway Infrastructure Design; 3: voestalpine Railway Systems GmbH; Timna.Gschwandl@voestalpine.com

Experimental DAS, FBG and DFOS based monitoring of the rail track in high-speed train loading

Dlugosz, Szymon¹; Sioško, Rafał²; Bednarek, Łukasz³; Nowicki, Tomasz^{1,2}