

# JFMS 2026 - 15th Conference on Reliability of Materials and Structures

Aix-en-Provence, 15-16 October 2026



**JFMS 2026 « Journées de Fiabilité des Matériaux et des Structures »**

**15<sup>th</sup> Conference on Reliability of Materials and Structures**

**Aix-en-Provence, October 14-16, 2026**

The 15th Conference on Reliability of Materials and Structures (JFMS) will be organized by INRAE from October 14 to 16, 2026, in Aix-en-Provence.

Since 1994, the JFMS has been a forum for discussion on the latest advances in reliability and probabilistic approaches to the design, optimization, evaluation, and maintenance of structures, civil engineering works, and industrial systems. The concepts of reliability, safety, robustness, and resilience are based on the control of uncertainties through adequate modeling of data, the system, and its environment.

The 2026 JFMS will be an opportunity to celebrate **100 years of reliability approaches**, since the first published work on the use of probabilities to integrate uncertainties into the safety assessment of structures (Mayer, 1926).

The 2026 JFMS continues in the same vein as previous editions, highlighting the contributions of reliability-based approaches to analyzing **system risks in their environment in a context of global change**. These approaches contribute to this societal challenge by:

- (1) analyzing the risks of system failure at the level of materials, structures, infrastructure, buildings, and territories;
- (2) characterizing the hazards and vulnerability of systems in a context of climate change;
- (3) integrating advances in artificial intelligence to improve the reliability of structures in the face of global change;
- (4) forming part of cross-disciplinary decision-making support and participatory approaches to risk management.

The presentations will be grouped into the following thematic sessions. Round tables will also be organized around cross-cutting themes and major challenges for the reliability-based approach.

**Theme 1:** System reliability and safety, reliability-based design and optimization.

**Theme 2:** Hazards and stresses in the context of climate change.

**Theme 3:** Degradation of materials, structures, and engineering works.

**Theme 4:** Modeling, monitoring, inspection, and life cycle management.

**Theme 5:** Propagation of uncertainties and reliability methods.

**Theme 6:** Decision support for risk management.

## Important Dates

- Abstract submission: **April 30, 2026**
- Abstract acceptance: **Mai 5, 2026**
- Paper submission: **July 10, 2026**
- Paper acceptance: **August 10, 2026**
- Final paper submission: **September 15, 2026**
- **Conference: October 15-16, 2026 (+ doctoral training on October 14, 2026)**

## Proceedings

The proceedings of the 2026 JFMS will be published in electronic format (open access), with a permanent link and a DOI. A selection of articles will be submitted for publication in the **Academic Journal Of Civil Engineering**  
<https://journal.augc.asso.fr>

**Submission and registration site:** <https://jfms2026.sciencesconf.org/>

*You can find the format to use for your abstract on the website.*

## Scientific Committee

### President:

Claudio CARVAJAL (INRAE, Aix-en-Provence)

Younes AOUES (INSA Rouen)

Emilio BASTIDAS-ARTEAGA (La Rochelle Université)

Alexandru ALDEA (Univ. Tech. de Construction de Bucarest)

Emmanuel ARDILLON (EDF R&D, Chatou)

Julien BAROTH (Université Grenoble-Alpes)

Pierre BEAUREPAIRE (Clermont Auvergne INP, Institut Pascal)

David BIGAUD (Université d'Angers)

Alaa CHATEAUNEUF (CIDECO, Clermont-Ferrand)

Luc CHOUINARD (McGill University, Canada)

David CONCIATORI (INSA Strasbourg)

Corinne CURT (INRAE, Aix-en-Provence)

Olivier DECK (Ecole des Mines de Nancy)

Antoine DUMAS (Phimeca, Clermont-Ferrand)

Frédéric DUPRAT (INSA de Toulouse)

Charbel EL-SOUEIDY (Université de Nantes)

Mohamed EID (CEA Saclay)

Sidi Mohammed ELACHACHI (Université de Bordeaux)

Abdelkhalak EL HAMI (INSA Rouen)

Nicolas GAYTON (Clermont Auvergne INP, Institut Pascal)

Fabrice GUERIN (Université d'Angers)

Leila KHALIJ (INSA Rouen)

Radouane LAGGOUNE (Université de Bejaia, Algérie)

André LANNON (IMdR)

Didier LEMOSSE (INSA Rouen)

Cécile MATTRAND (Clermont Auvergne INP, Institut Pascal)

Ahmed MEBARKI (Université Gustave Eiffel, Paris)

Rasool MEHDIZADEH (Université de Lorraine)

André ORCESI (CEREMA)

Emmanuel PAGNACCO (INSA Rouen)

Laurent PEYRAS (INRAE, Aix-en-Provence)

Hassen RIAHI (Université d'Angers)

Franziska SCHMIDT (Université Gustave Eiffel)

Franck TAILLANDIER (INRAE, Aix-en-Provence)

Aurélié TALON (Clermont Auvergne INP, Institut Pascal)

Thierry YALAMAS (Phimeca, Clermont-Ferrand)

Humberto YANEZ GODOY (Université de Bordeaux)

## Organising Committee

### President :

Claudio CARVAJAL (INRAE – UMR RECOVER,  
Aix-Marseille université)

Dominique BREIL (INRAE – UMR RECOVER,  
Aix-Marseille université)

Corinne CURT (INRAE – UMR RECOVER,  
Aix-Marseille université)

Pascal DI MAIOLO (INRAE – UMR RECOVER,  
Aix-Marseille université)

Laurent PEYRAS (INRAE – UMR RECOVER,  
Aix-Marseille université)

Franck TAILLANDIER (INRAE – UMR RECOVER,  
Aix-Marseille université)

