

# The Seventeenth International Conference on Condition Monitoring and Asset Management **CM2021**

The future of condition monitoring



## Call for Papers

**Monday 14 to Friday 18 June 2021**

*For further information contact:* Conferences and Events Department,  
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**This is now a  
virtual event**

## About This International Conference

*Due to the escalating situation with regard to the coronavirus outbreak in the UK, the British Institute of Non-Destructive Testing (BINDT) has taken the decision to host the Seventeenth International Conference on Condition Monitoring and Asset Management (CM2021) as a virtual five-day event in place of a physical conference.*

BINDT is pleased to invite you to this premier virtual event. This virtual conference is being organised by BINDT in close partnership with the International Society for Condition Monitoring (ISCM) and the US Society for Machinery Failure Prevention Technology (MFPT). This combination of the efforts of these leading organisations creates one of the largest events of its kind at a truly international level and builds on the highly successful 16 international condition monitoring (CM) conferences organised by BINDT, the First World Congress on CM in 2017 organised by BINDT and ISCM and 71 annual conferences organised by the MFPT Society. The event provides you with a unique opportunity to network with academics and industrialists from all over the world. Leading figures in the field of CM will be presenting at the virtual conference, ensuring that everyone will learn something.

The programme will include:

- Plenary presentations
- Invited and contributed presentations, including case study presentations
- Expert panel session on hot topics in CM, led by recognised scientists and engineers
- Industrial sessions for major industrial sectors
- Exhibition, vendor presentations and plenary spotlight session for exhibitors
- BINDT-sponsored student packages
- Free-of-charge workshop for CM conference delegates

## Conference Participation

### *Submit an abstract online*

Abstracts and papers should be submitted online to the pre-existing link at: <https://mc.manuscriptcentral.com/cm2020-mfpt2020>. Invited papers should be linked to the appropriate session; all other papers should be linked to 'general session'.

### *Make a presentation at the conference*

Authors of accepted abstracts will be invited to present their work at the virtual conference.

### *Write a paper*

Papers that are submitted will be subject to peer review by members of the International Scientific Advisory Committee. Selected papers may be published in BINDT's journal, *Insight*, or other international journals. Papers related to 'case studies' may be published in BINDT's international newsletter, *Condition Monitor*. The conference proceedings will be indexed by Scopus and contributing authors should allow at least 12 months after the event has taken place for papers to appear on the database.

Key dates, guidelines for authors and instructions on how to submit a paper are available on the conference website at: [www.cm-mfpt.org](http://www.cm-mfpt.org)

We encourage papers from both academia and industry on the following topics:

- Artificial intelligence (AI), machine learning and pattern recognition
  - Asset management
  - Big data and data analytics for CM
  - Certification, education and training in CM
  - CM and diagnosis methods and technologies
  - CM for biomedical and healthcare applications
  - CM systems and case studies
  - Data mining and fusion
  - Design and lifecycle integrity
  - Digitisation of CM
  - Engineering standards in CM
  - Equipment troubleshooting
  - Instrumentation for CM
  - Integrated vehicle health management (IVHM)
  - Internet of Things (IoT)
  - Machinery failure analysis and prevention
  - Maintenance, including planning, scheduling, repair and overhaul
  - Materials and structural health monitoring (SHM)
  - Modelling and signal processing for CM
  - Non-destructive testing (NDT)
  - Physics of failure and fault/failure modes
  - Prognostics
  - Risk assessment
  - Root cause analysis
  - Sensors and actuators
- Other relevant topics are welcome**

[www.cm-mfpt.org](http://www.cm-mfpt.org)