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www.cm-mfpt.org





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The Seventeenth International Conference on Condition Monitoring and Asset Management CM2020

The future of condition monitoring

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Call for Papers

Tuesday 30 June to Thursday 2 July 2020 Park Inn by Radisson Hotel and Conference Centre, London Heathrow, UK

www.cm-mfpt.org

About This International Conference

The British Institute of Non-Destructive Testing (BINDT) is pleased to invite you to this premier event. The 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 Society for MFPT. 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 conference, ensuring that everyone will learn something.

The programme will include:

- Plenary presentations Invited and contributed presentations.
- including case study presentations
- Industrial sessions for major industrial sectors
- Expert panel session on hot topics in CM, led by recognised scientists and engineers

and sponsors Social events BINDT-sponsored student packages Free of charge workshop for CM conference delegates

Exhibition, vendor presentations and

plenary spotlight session for exhibitors

Conference Participation

Submit an abstract online

Abstracts and papers should be submitted online (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 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 international journal, Insight, the International Journal of Condition Monitoring or other international journals. Papers related to 'case studies' may be published in BINDT's international newsletter, Condition Monitor,

Key dates, guidelines for authors and how to submit a paper are available on the conference website at www.cm-mfpt.org

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

- Artificial intelligence, machine learning and
 Internet of Things (IoT) Machinery failure analysis and prevention
- pattern recognition
- Asset management
- Big data and data analytics for CM
- Certification, education and training in CM
- CM systems and case studies
- CM for biomedical and healthcare applications
 NDT
- 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) www.cm-mfpt.org

Structured and Industrial Sessions, Sponsorship and Exhibition

Brief proposals for structured sessions should be submitted by recognised professionals. Brief proposals for industrial sessions should be submitted by leading representatives of major trade associations, institutions, corporations, industrial companies and consortiums. Proposals should be submitted to: karen cambridge@bindt org

A substantial discount is available for organisers of structured sessions in recognition of the hard work involved. Organisers will be awarded the opportunity to present a 'specialised keynote presentation' at the beginning of the session and will be acknowledged on the conference website and proceedings, which will be distributed worldwide.

Leading companies may wish to take a more visible sponsor role in this international event. Sponsors will be acknowledged on the conference website and in the proceedings which will be distributed worldwide. Sponsors and exhibitors will have an opportunity to organise industrial sessions to highlight their activities and give a presentation at the plenary spotlight session. The exhibition will run on the first and second days of the conference. Details of sponsorship and exhibition packages are available online. A substantial discount on exhibition fees is available for BINDT Corporate Members. www.cm-mfpt.org

The Venue



The Park Inn by Radisson Hotel and Conference Centre is Heathrow's largest hotel and conference centre. It is located less than ten minutes from London Heathrow Airport and the City of London is just a 15-minute train ride away. With excellent transport links by road. rail and air, the Park Inn by Radisson Hotel benefits from a great London location; it is an ideal venue for the Seventeenth International Conference on Condition Monitoring and Asset Management.

This hotel's convenient location near Heathrow Airport is close to many popular sights: Windsor Castle, Big Ben, the Houses of Parliament, the Imperial War Museum, the National Portrait Gallery. Shakespeare's Globe. Tate Modern and the Royal Botanic Gardens. Kew.

The contemporary hotel has two independent conference centres. indoor and outdoor breakout spaces with 41 climate-controlled meeting rooms. The hotel accommodates 895 quests and has on-site parking for 480 vehicles with plenty of facilities. RBG Bar & Grill offers healthy and hearty international dishes and has a great bar to relax at. Enjoy Costa coffee and a snack in The Lounge, a modern space to meet, eat, drink, or watch live sports on TV.

Stay connected with free high-speed wireless internet throughout the hotel and work out in the newly refurbished gym, which includes an indoor pool. The hotel also provides complimentary tea and coffee in the lobby, express checkout, laundry service, luggage storage, on-site dining, running trails and in-room safe. BINDT has secured a limited number of bedrooms at the Park Inn by Radisson Hotel and Conference Centre at an excellent discounted rate. Please see the CM website for further details and ensure that you reserve your room as early as possible. Alternative accommodation will be available nearby; again, please go to the website for further details.

www.cm-mfpt.org

Best Paper Competition for Students and Those in the Early Stages (First Five years) of their Career

The winning paper of the 'Len Gelman Award' will be selected based on both the quality of the paper and the presentation. Winner(s) will be awarded certificate(s) and the presenting author will receive a cash sum of £250 and free BINDT membership for one year.

To enter this competition, please indicate that you wish your paper to be considered when submitting online.

Social Programme

Full-time delegates of the conference will be able to participate in an evening social programme. The option to book for part-time delegates will be available upon request. An evening event on Tuesday (full details to follow online) will provide you with the perfect opportunity to experience London, as well as to network with other conference attendees and force useful alliances with other people in the CM industry. On the Wednesday evening there will be a gala dinner, with fine food and wine being served in a friendly, relaxed setting,

Registration

For details and costs of full-time and part-time registration please visit the conference. website. The full-time delegate registration fee covers your attendance at all sessions and the exhibition, a proceedings USB, coffee breaks, lunches and evening entertainment.

Cancellation penalty: less than two weeks before the event - 50% of conference fees.

BINDT has always recognised the importance of encouraging students to participate in this major international event. As a desture to celebrate the seventeenth international conference, the Institute will be providing sponsorship of student registrations in 2020. resulting in a major reduction in fees for student attendance.

www.cm-mfpt.org

About The Organisers

BINDT is the internationally recognised focal point for CM and NDT and it is the professional institute for all those engaged in CM and NDT. It is concerned with education, training, certification and the advancement of the science and practice of the subjects, www.bindt.org

The Condition Monitoring Technical Committee 'COMADIT' is the specialist committee within BINDT promoting best practice and exchange of knowledge within the CM and diagnostic community worldwide. www.bindt.org/comadit

The ISCM is an international forum for individuals and organisations with an interest in CM. Its purpose is to bring together an international community with the common aim of achieving excellence in the development and practice of CM and related diagnostic technologies. www.bindt.org/iscm

The US Society for MFPT is an interdisciplinary technical organisation strongly oriented towards practical applications. The MFPT Society acts as a focal point for technological developments that contribute to mechanical failure reduction or prevention. www.mfpt.org

 Maintenance including planning, scheduling, repair and overhaul Materials and structure health monitoring

- Modelling and signal processing for CM
- CM and diagnosis methods and technologies
 Physics of failure. fault/failure modes
 - Prognostics
 - Risk assessment
 - Root cause analysis Sensors and actuators

