

CALL FOR PAPERS **VIBRATIONS IN ROTATING MACHINERY – VIRM 13**

Institution of
**MECHANICAL
ENGINEERS**

10–12 September 2024
London

www.imeche.org/VIRM

Mechatronics, Informatics &
Control Group
Conference

CALL FOR PAPERS

Submit your abstract today to ensure your research is considered.

Submission deadline: **27 October 2023**



Image credit: Rolls-Royce

VIBRATIONS IN ROTATING MACHINERY – VIRM 13

10–12 September 2024, London

SINCE 1976, VIBRATIONS IN ROTATING MACHINERY CONFERENCES HAVE SUCCESSFULLY BROUGHT INDUSTRY AND ACADEMIA TOGETHER TO ADVANCE STATE-OF-THE-ART RESEARCH IN DYNAMICS OF ROTATING MACHINERY.

Join industrial and academic experts from different countries to discuss the challenges in rotordynamics, rub, whirl instability and more. This is your chance to present your work, hear from contemporary leading researchers, exchange ideas from the field and receive updates on the latest research findings.

Whether you are from industry or academia, involved in transport, power, process, medical engineering, manufacturing or construction, VIRM 13 will provide the latest R&D and useful guidance.

Submit your 250 word summary to <https://bit.ly/VIRM13CallforPapers>

TOPICS TO BE ADDRESSED:

- Active, smart vibration control
- Rotor balancing, dynamics, and smart rotors
- Bearings and seals
- Noise vibration and harshness
- Active and passive damping
- Applications: wind turbines, steam turbines, gas turbines, compressors
- Joints and couplings
- Challenging performance boundaries of rotating machines
- High power density machines
- Electrical machines for aerospace
- Management of extreme events
- Active machines
- Electric supercharging
- Blades and bladed assemblies (forced response, flutter, mistuning)
- Fault detection and condition monitoring
- Rub, whirl and instability
- Torsional vibration
- Digital twins, AI, and machine learning
- Green energy, energy storage, and conversion
- Energy efficiency and sustainability

HOW TO SUBMIT

Submit an abstract online to <https://bit.ly/VIRM13CallforPapers> and include:

- Your full name, job title, organisation and contact details
- A working title for your paper
- A 250 word summary of the topic you intend to cover
- A 50 word outline of how your research might be applied to industry

The deadline for abstracts is **27 October 2023**

Following this deadline, the Organising Committee will select the abstracts they wish to invite to submit a full draft paper. The draft paper should not exceed 5000 words.

For more information, please contact Event Enquiries on **+44 (0)20 7973 1251** or eventconcepts@imeche.org

All conference papers should be in English. Authors are required to pay the conference attendance fee at a reduced rate. Travel or accommodation expenses cannot be covered by the Institution. All accepted papers will be published and available to all conference delegates.

SPONSORSHIP & EXHIBITION OPPORTUNITIES

For more information, please call **+44 (0)77 3439 5273** or email daniel.anglin@imeche.org