Model Railway Bridge Vibration Response Measurement

Institution of MECHANICAL ENGINEERS
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Educational Presentation

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Microsoft TEAMS Meeting
ID: 314 687 889 362
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Room J106 Jellicoe Building (Medway Campus)

Date: **Monday 27th February 2023**
Time: **6.30pm**
Address: **Central Avenue**
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Vibration response measurement of railway bridges has become a means by which the structural condition of the bridge can be assessed. This method is widely used to identify the state of deterioration of a bridge to help decide on what actions need to be taken to ensure a minimum level of safety.

This presentation gives a general overview of this technology and provides a discussion of how the method was used to monitor and record the response of a model railway bridge.

The presentation will provide useful knowledge of vibration response measurement and how results are processed for assessment for engineering students who are interested in vibration and dynamics.

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