



Dynamics
Research
Group

The 3rd Sheffield Workshop on Structural Dynamics

Online Event 7th–10th December 2020

You are cordially invited to attend the 3rd Sheffield Workshop on Structural Dynamics, which this year will be hosted virtually.

We are celebrating 25 years of the Dynamics Research Group in Sheffield. To mark this, the workshop will open on the afternoon of 7th December with a retrospective review of our research over the last quarter century.

The main body of the workshop will have three distinct themes: physics-informed machine learning (8th), population-based SHM (9th) and digital-twins and their validation (10th).

An outline schedule is provided on the next page along with a link for registering your interest. We hope you can join us!





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Programme

Monday 7th Dec
13:30-16:30 (GMT)
14:30-17:30 (CEST)

Celebrating 25 years of the DRG in
Sheffield
*A retrospective review of a quarter
century of structural dynamics research*

Tuesday 8th Dec
09:30-16:15 (GMT)
10:30-17:15 (CEST)

Physics-informed machine learning for
structural dynamics
*Short talks in the morning with discussion
sessions in the afternoon*

Wednesday 9th Dec
09:30-16:15 (GMT)
10:30-17:15 (CEST)

Population-based structural health
monitoring
*Talks and discussion sessions through
out the day*

Thursday 10th Dec
09:30-12:45 (GMT)
10:30-13:45 (CEST)

Digital-twins and their validation
*Key-note talk followed by community
discussion on developing new benchmarks
for structural dynamics and digital twins*

*Please register your interest at
Eventbrite [here](#)*



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Laboratory for Verification & Validation: Open for Business

