

## Conference Venue

The conference will be held at INSA, Lyon, France. Lyon is the third-biggest city in France after Paris and Marseille. The city is known for its cuisine, gastronomy, and historical and architectural landmarks, and is a UNESCO World Heritage Site.

Lyon was historically an important area for the production and weaving of silk. Lyon played a significant role in the history of cinema: it is where Auguste and Louis Lumière invented the cinematographe.

Economically, Lyon is a major centre for banking, as well as for the chemical, pharmaceutical, and biotech industries.



## Conference Secretariat

RASD2019 Secretariat

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For more information, abstract submission and registration visit the Conference Website:

<https://www.southampton.ac.uk/rasd>

## Registration Fees

Registration will include the book of abstracts, the proceedings on a pen drive, light refreshments, lunches and the conference dinner.

Early Bird registration is available until 27 January 2019.

Please see the conference website for more details.

<https://www.southampton.ac.uk/rasd>

## Travel Information

### By Air:

Lyon–Saint Exupéry Airport, the international airport of Lyon, is 20 km from Lyon city centre. Airport-Lyon takes less than 30 minutes: <http://www.rhonexpress.fr/>

### By Rail:

Trains from Paris, stop at Part-Dieu train station.

### By Road:

Lyon is about 470 km (292 mi) from Paris, 320 km (199 mi) from Marseille and 55 km (34 mi) from Saint-Étienne.

### Public Transport of Lyon (TCL)

All information for travelling by public transport is at: [www.tcl.fr](http://www.tcl.fr)

For more information please visit Lyon Tourist Office and Convention Bureau website:

<http://www.en.lyon-france.com/>

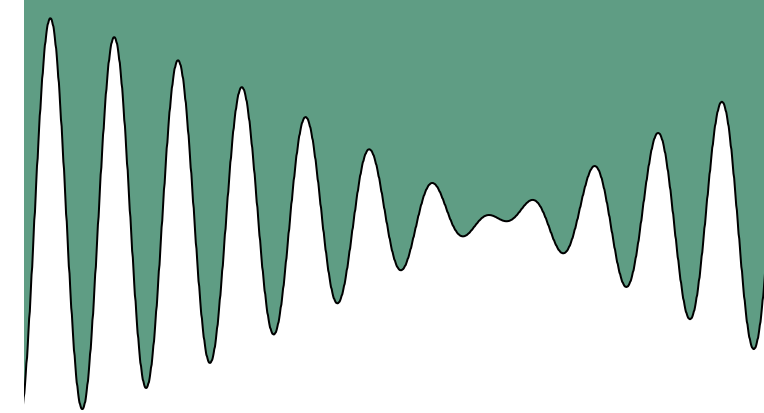


# RASD2019

## XIII<sup>th</sup> International Conference on Recent Advances in Structural Dynamics

15 – 17 April 2019

Lyon, France



Organised by:

**Institute of Sound and Vibration Research**

**University of Southampton,  
United Kingdom**

And hosted by:

**Laboratoire Vibrations Acoustique**

**INSA Lyon, France**

Institute of Sound  
and Vibration Research



UNIVERSITY OF  
**Southampton**

**INSA** INSTITUT NATIONAL  
DES SCIENCES  
APPLIQUÉES  
LYON

## Introduction

The Institute of Sound and Vibration Research (ISVR) is pleased to announce the Thirteenth International on Recent Advances in Structural Dynamics (RASD) which will be held in April 2019 in Lyon, France. The twelve previous RASD conferences have been held every three years or so since 1980 primarily in Southampton, UK.

This conference is devoted to theoretical, numerical and experimental developments in structural dynamics and their application to all types of structures and dynamical systems.

The conference will reflect the state-of-the-art of structural dynamics and dynamical systems in science and engineering, and is an opportunity to exchange scientific, technical and experimental ideas.

## Call for Papers

**Papers** or **Extended Abstracts** are invited on any aspect of Structural Dynamics from any branch of engineering with the main emphasis being on the topics listed next. Papers and Extended Abstract will be presented at the Conference and they will be published on a memory card, which will be available at the Conference.

### Papers

Abstracts less than 200 words should be submitted electronically by **24 June 2018**. Full papers of up to 12 pages will be required by **28 October 2018**. Papers will be peer reviewed and they will be published in **Journal of Physics: Conference Series** (<http://iopscience.iop.org/1742-6596>). The benefits include open access publication and abstracting and indexing in ISI Web of Science, Scopus and EI Compendex.

### Extended Abstracts

Extended Abstracts of up to 4 pages should be submitted electronically by **27 January 2019**. Extended Abstract will not be peer reviewed and they will not be published in Journal of Physics: Conference Series but they will be presented at the conference as regular papers. The Extended Abstract will allow researchers to present very recent work or work submitted to other journals.

## Topics

Papers are invited on any aspect of Structural Dynamics from any branch of engineering with the main emphasis being on the topics listed below:

- Active Vibration Control
- Biomechanics and Human Structure Interaction
- Civil Engineering Structures
- Damage Detection and SHM
- Energy Harvesting
- Experimental Techniques
- Fluid-Structure Interaction
- Metamaterials
- Multibody Dynamics
- Nonlinear Vibrations
- Passive Vibration Control and Devices
- Railway Induced Vibration
- Rotor Dynamics and Control
- Sensors and Actuators
- Smart-Structures and Materials
- Stochastic Dynamics and Uncertain Systems
- Structural Acoustics and Noise Control
- Structural Model Validation
- System Identification and Inverse Problems
- Vehicle Dynamics and Control
- Vibro-acoustics

It is also possible to propose the organisation of special sessions subject to the approval of the organising committee.

## Conference Deadlines

Submission of Abstracts	24 June 2018
Acceptance of Abstracts	31 August 2018
Submission of Full Papers	28 October 2018
Reviewer Feedback	21 December 2018
Receipt of Revised Papers	27 January 2019
Receipt of Extended Abstract	27 January 2019
Early Registration and Payment for Authors	27 January 2019

## Organising Committee

**E. Rustighi**, University of Southampton, UK (*Chair*)  
**Q. Leclère**, INSA, France (*Chair*)  
**N. Totaro**, INSA, France (*Chair*)  
**M. Boltežar**, University of Ljubljana, Slovenia  
**M. J. Brennan**, Universidade Estadual Paulista, Brazil  
**F. Dohnal**, UMIT, Austria  
**P. Forte**, University of Pisa, Italy  
**M. Ghandchi Tehrani**, University of Southampton, UK  
**W. Kaal**, Fraunhofer Institute, Germany  
**B. R. Mace**, University of Auckland, New Zealand  
**J. M. Muggleton**, University of Southampton, UK  
**K. Nakano**, University of Tokyo, Japan  
**K. Sweitzer**, Booz Allen Hamilton, USA  
**J. Tang**, University of Connecticut, USA  
**L. Virgin**, Duke University, USA  
**C. Zang**, Nanjing University of Aeronautics and Astronautics, China



## Keynote Speakers

There will be five plenary keynote lectures. Please see the conference website for more details.  
<https://www.southampton.ac.uk/rasd>

