

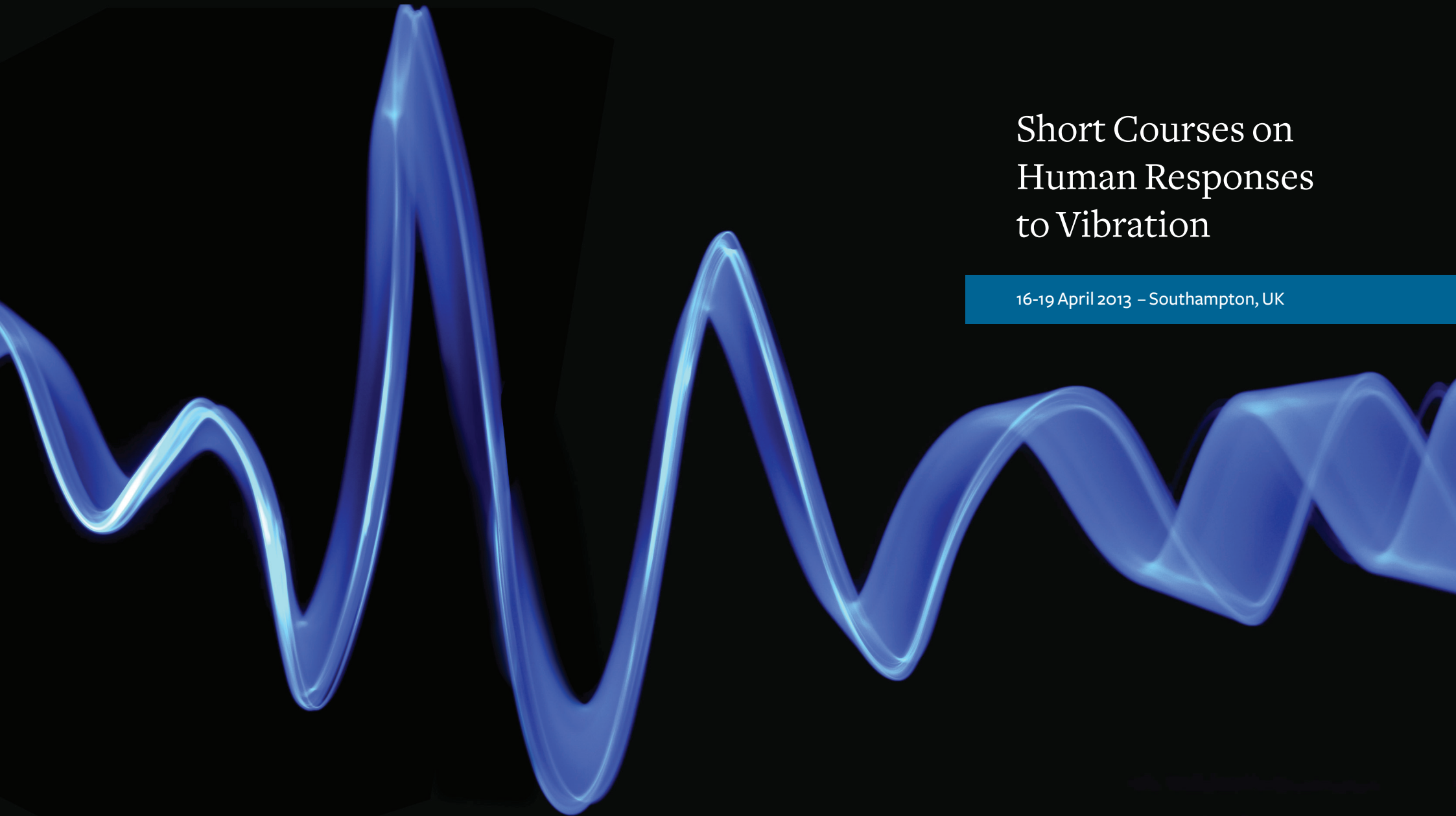
www.southampton.ac.uk/isvr
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Institute of Sound
and Vibration Research

UNIVERSITY OF
Southampton

Short Courses on Human Responses to Vibration

16-19 April 2013 – Southampton, UK



Human Factors Research Unit, ISVR

The Human Factors Research Unit (HFRU) conducts fundamental and applied research, provides training, and offers advice on issues concerning human responses to vibration. Our multi-disciplinary research areas include biodynamics, ride comfort, vibration-induced injuries and motion sickness. Facilities include a motion simulation laboratory, human vibration library, and in-house developed software and hardware (*HVLab*).

For further information, please go to:

www.humanvibration.com

www.hvlab.com

The Courses

Three courses provide an insight into human responses to vibration in specified areas and explore applications of research.

Course A: Vehicle ride and seating (2 days)

Course B: Whole-body vibration (3 days)

Course C: Human Responses to Vibration (4 days)

The courses are ideally suited to engineers, scientists and others seeking a good understanding of human effects of vibration and related regulations.

The courses include lectures, laboratory tours and demonstrations.

Syllabus of the course is available at:

http://www.soton.ac.uk/HFRU/short_courses/

Fees

The course fees are shown on the attached enrolment form. The fee includes course notes, lunches and refreshments at the University, and a course dinner on one evening, but does not include accommodation. A list of accommodation is available on request.

Location

The courses will be held at the Institute of Sound and Vibration Research on the University of Southampton's main Highfield Campus.



Topics to be included in each course:

Course A (2 days: 16 – 17 April)

Introduction of human responses to vibration
Perception of vibration
Vibration discomfort
Biodynamic responses
Seating dynamics
Whole-body vibration and health
EU Directives on vibration
Laboratory tour

Course B (3 days: 16 – 18 April)

Course A
Whole-body vibration and human performance
Building vibration
Motion sickness
Demonstration of motion simulators and vibration measurements

Course C (4 days: 16 – 19 April)

Course B
The hand-arm vibration syndrome
Measurement, evaluation and assessment of hand-transmitted vibration
Motion sickness
Demonstration of diagnosis of hand arm vibration syndrome

“Very informative discussion and interactions during the course”

Participant in 2012

“The best instructional event I’ve ever attended in my lengthy career”

Participant in 2011

“Very impressed with the facilities and the course”

Participant in 2010

Enrolment Form

Online enrolment is also available at:

http://www.soton.ac.uk/HFRU/short_courses/

Human Responses to Vibration

16–19 April 2013

Name _____

Job title _____

Company _____

Address _____

Tel _____

Fax _____

Email _____

If you would like to receive other promotion information then please tick this box ☐

Privacy policy The University of Southampton does not pass on information to any third party. The information is used in University marketing activities only in accordance with the Data Protection Act

Course fee (Please tick one box)

- | | |
|---|------|
| <input type="checkbox"/> Course A: Vehicle ride and seating (16-17 April) | £550 |
| <input type="checkbox"/> Course B: Whole-body vibration (16-18 April) | £750 |
| <input type="checkbox"/> Course C: Human responses to vibration (16-19 April) | £900 |

Payment method (please tick box as appropriate)

- ☐ I enclose a cheque payable to ‘University of Southampton’
- ☐ Please invoice my company
- ☐ I wish to pay by a credit card

Signed: _____

Enrolment should be completed no later than

Tuesday 2 April 2013 to:

Dr Miyuki Morioka

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University of Southampton, Highfield
Southampton, SO17 1BJ
United Kingdom

Tel: +44(0)2380592277

Fax: +44(0)2380592927

Email: M.Morioka@soton.ac.uk

Please note that there will be no refund of fees for cancellations received at ISVR less than two weeks before the start of a course. For cancellations received between four weeks and two weeks prior to the start of a course, 50 percent of the fee will be refunded. Cancellations made by telephone will be accepted if confirmed immediately in writing. Personnel substitutions, however, may be made at any time.