

# JOURNAL OF SOUND AND VIBRATION

An official medium of publication for the Institute of Acoustics

Founder: E.J. Richards

Editors Emeritus: P.E. Doak  
M. Petyt

## Editors

### Acting European Editor:

**C. Morfey**

Institute of Sound and  
Vibration Research  
University of Southampton  
Southampton SO17 1BJ  
UK  
E-mail: jsv@isvr.soton.ac.uk

### Americas Editor:

**W. Soedel**

Ray W. Herrick Laboratories  
Purdue University  
140 S. Intramural Drive  
West Lafayette, IN 47907-2031  
USA  
E-mail: dmiller@ecn.purdue.edu

### Australasian Editor and Associate Editor:

**Y.K. Cheung and L.G. Tham**

University of Hong Kong

### Submissions c/o:

Journal of Sound and Vibration  
S&T Editorial Services  
1 West, Elsevier  
The Boulevard, Langford Lane  
Kidlington, OX5 1GB  
UK  
E-mail: jsv@elsevier.com

### WWW Editor:

**Yu.I. Bobrovnikii**

Russian Academy of Science  
Engineering Research Institute  
Moscow 101830  
Russia  
E-mail: bobrovni@orc.ru

### Reviews in Physical Acoustics Editor:

**M.J. Buckingham**

University of California San Diego  
La Jolla, CA 92093-0213  
USA  
E-mail: mjb@mpl.ucsd.edu

### Book Review Editor:

**M.C.M. Wright**

Institute of Sound and Vibration Research  
University of Southampton  
Southampton SO17 1BJ  
UK  
E-mail: mcmw@isvr.soton.ac.uk

## Editorial Board

**C.W. Bert**

University of Oklahoma, 865 Asp Avenue,  
Rm 212, Norman, OK 73019, USA

**S.R. Bishop**

University College London, Gower Street,  
London WC1E 6BT, UK

**A. Cummings**

Poplar House, Humbleton Road  
Lelley, East Yorkshire HU12 8SP, UK

**E. Dokumaci**

Dokuz Eylul University,  
Bornova 35100, Izmir, Turkey

**E.H. Dowell**

Duke University, Durham  
NC 27706, USA

**A.P. Dowling**

University of Cambridge,  
Cambridge CB2 1PZ, UK

**J.F. Dunne**

University of Sussex, Falmer, Brighton,  
Sussex BN1 9QT, UK

**I. Elishakoff**

Florida Atlantic University,  
Boca Raton, FL 33431-0991, USA

**F. Farassat**

NASA Langley Research Center,  
M/S 461,  
Hampton, VA 23681-2199, USA

**J.M. Fields**

10407 Royal Road, Silver Spring  
MD 20903, USA

**N.H. Fletcher**

Australian National University,  
Canberra, ACT 0200, Australia

**L. Fryba**

Academy of Sciences of Czech Republic  
Prosecká 76, 190 00 Prague 9,  
Czech Republic

**G.M.L. Gladwell**

University of Waterloo,  
Waterloo, Ontario, Canada N2L 3G1

**S.A.L. Glegg**

Florida Atlantic University,  
Boca Raton, FL 33431-0991, USA

**J.-L. Guyader**

INSA-Lyon,  
F-69621 Villeurbanne Cedex, France

**D.M.L. Habault**

CNRS, 31 Chemin Joseph Aiguier,  
F-13402 Marseille, Cedex 20, France

**Maria Heckl**

Keele University, Keele,  
Staffordshire ST5 5BG, UK

**Y.-H. Kim**

Center for Noise and  
Vibration Control,  
Science Town,  
Taejon-shi 305-701, Korea

**G.H. Koopmann**

Pennsylvania State University,  
University Park, PA 16801-1400, USA

**R.S. Langley**

University of Cambridge,  
Cambridge CB2 1PZ, UK

**P.A.A. Laura**

Institute of Applied Mechanics,  
8000 Bahia Blanca, Argentina

**A.W. Leissa**

Colorado State University,  
Fort Collins, CO 80523-1374, USA

**S. Lindblad**

Lund Institute of Technology,  
P.O. Box 118,  
S-221 00 Lund, Sweden

**D.J. Mead**

University of Southampton,  
Southampton SO17 1BJ, UK

**C.D. Mote, Jr.**

University of Maryland,  
College Park, MD 10742, USA

**W. Neise**

DLR, Müller-Breslau Straße 8,  
D-10623 Berlin, Germany

**B.A.T. Petersson**

Technical University of Berlin,  
D-10587 Berlin, Germany

**A.D. Pierce**

Boston University,  
110 Cummington Street,  
Boston, MA 02215, USA

**S.W. Shaw**

Michigan State University,  
East Lansing, MI 48824-1226, USA

**R. Singh**

Ohio State University,  
650 Ackerman Road  
Columbus, OH 43210, USA

**P.R. Stepanishen**

University of Rhode Island,  
Narragansett Bay Campus,  
RI 02881, USA

**W. Szemplinska-Stupnicka**

Polish Academy of Sciences,  
Swietokrzyska 21, 00-049 Warsaw, Poland

**J.M.T. Thompson**

University College London,  
Gower Street, London WC1E 6BT, UK

**G. Yamada**

Hokkaido University, Kita-13, Nishi-8,  
Kita-ku, Sapporo 060, Japan

**R. Zhang**

Chinese Academy of Sciences,  
Beijing 100080, P.R. China