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ISSN: 0888-3270

DESCRIPTION

Mechanical Systems and Signal Processing (MSSP) is an interdisciplinary journal in Mechanical, Aerospace and Civil Engineering with the purpose of reporting scientific advancements of the highest quality arising from new techniques in sensing, instrumentation, signal processing, modelling and control of dynamic systems. MSSP papers are expected to make a demonstrable original contribution to engineering knowledge, which should be significant in terms of advancement over established methods. Especially sought are papers that include both theoretical and experimental aspects, or that include theoretical material of high relevance to practical applications. MSSP is a leader in its field and research areas covered include:

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- Piezoelectrics
- Adaptivity
- Integrated systems

2. Measurement & Signal Processing

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- Full-field vibration/acoustic measurements
- Big data problems

3. Nonlinearity

- Nonlinear vibration problems
- Nonlinear normal modes
- Energy harvesting

4. Rotating Machines, Machinery Diagnostics & SHM

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- Rotor dynamics
- Cracks in rotors

- Bearings and gears

5. Uncertainty Quantification

- Probabilistic, interval & fuzzy analysis
- Reliability and robustness
- Bayesian methods

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GUIDE FOR AUTHORS

Introduction

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MSSP strives to publish refereed papers of the highest quality reflecting the activities and interests of workers in academic and industrial research and development establishments. Especially sought are papers which include both theoretical and experimental aspects, or which include theoretical material of high relevance to practical applications. MSSP is a leader in the field of engineering dynamics within the following themes :

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- Measurement and signal processing
- Nonlinearity
- Rotating machines, machine diagnostics and SHM
- Uncertainty quantification
- Vibrations, modal analysis and structures

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[2] W. Strunk Jr., E.B. White, *The Elements of Style*, fourth ed., Longman, New York, 2000.

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[3] G.R. Mettam, L.B. Adams, How to prepare an electronic version of your article, in: B.S. Jones, R.Z. Smith (Eds.), *Introduction to the Electronic Age*, E-Publishing Inc., New York, 2009, pp. 281–304.

Reference to a website:

[4] Cancer Research UK, Cancer statistics reports for the UK. <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/>, 2003 (accessed 13.03.03).

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[dataset] [5] M. Oguro, S. Imahiro, S. Saito, T. Nakashizuka, Mortality data for Japanese oak wilt disease and surrounding forest compositions, Mendeley Data, v1, 2015. <https://doi.org/10.17632/xwj98nb39r.1>.

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