

JOURNAL OF AUTOMOBILE ENGINEERING

Proceedings of the Institution of Mechanical Engineers Part D



BRIEF GUIDELINES FOR AUTHORS

Aims and Scope

The *Journal of Automobile Engineering* is the leading international journal serving the multidisciplinary global automotive industry. The journal reflects the continual development and changing needs of this diverse community by means of guidance from an international Editorial Board in partnership with the Society of Automotive Engineers, the Institution of Engineering Technology, and the Motorsport Industry Association.

The *Journal of Automobile Engineering* provides a forum for those involved in research, design, development, manufacture, operation, servicing and repair of cars, commercial vehicles, public service vehicles, off-highway vehicles and industrial and agricultural tractors throughout the world. The scope includes auxiliary equipment systems, components and complete vehicles for automotive transportation.

Topics include:

- vehicles and components
- engines and fuels
- structures, mechanisms, lubrication and wear
- dynamics and primary safety
- control and information systems, vision and lighting
- environmental impact of vehicles
- operation, reliability, durability, servicing and repair
- economics, legislation and management
- comfort, refinement and secondary safety
- manufacturing technology and systems
- electronics and traffic information systems
- supply chain development

Length

1. In general, Technical Papers, Review Papers and Case Studies should not normally exceed 5000 words (with up to 10 illustrations). Longer articles will be considered, however, as our criterion is that the content justifies the length of the article.
2. Technical Notes should not exceed 1500 words and 5 illustrations.
3. Discussions on papers already published should not exceed 500 words and 2 illustrations.

There are no page charges.

Preparation of manuscripts

1. The language of the Proceedings is English and the preferred spellings are those of the *Oxford English Dictionary*.
2. Papers should be written in the third person in an objective, formal and impersonal style.
3. SI units should be used wherever possible, as recommended in ISO 1000 and BS5555.

4. Symbols for physical quantities should be in italic (sloping) type. Mathematical operators and constants (sin, e, d, log, π , ...) and symbols for units (m, kg, s, ...) should be in roman (upright) type. Vectors should be in bold italic type (**A**) and matrices in bold upright type (**A**). If this is not possible then they should be indicated by a wavy line. Further details are given in ISO 31 and BS 5775.
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6. The preferred order of contents is as follows:
 - (a) Title of article.
 - (b) Author(s) name(s) and business address.
 - (c) Abstract of not more than 200 words: covering the aims of the work, methods used, results obtained and conclusions reached; keywords for information retrieval purposes should be indicated.
 - (d) Body of the paper: organized into logical sections, sequentially numbered with no more than two grades of subheadings.
 - (e) Acknowledgements.
 - (f) References in the order to which they have been referred in the text [**1**, **2**]. For example:
 - 1** **Varahramyan, K.** and **Lvov, Y.** Nanomanufacturing by layer-by-layer assembly – from nanoscale coating to device applications. *Proc. IMechE, Part N: J. Nanoengineering and Nanosystems*, 2006, **220**(N1), 29–37.
 - 2** **Rantatalo, M., Tatar, K.,** and **Norman, P.** Laser Doppler vibrometry measurements of a rotating milling machine spindle. In Eighth International Conference on *Vibrations in Rotating Machinery*, University of Wales, Swansea, 7–9 September 2004, IMechE Event Publications, paper C623/110/2004, pp. 157–168 (Professional Engineering Publishing, London).
 - (g) Tables: these should be numbered consecutively throughout the text.
 - (h) List of captions for the illustrations which should also be numbered consecutively throughout the text; both line drawings and photographs must be included in the same numbering sequence.
 - (i) List of notation as the first appendix, in alphabetical order, defining all the symbols used in the paper (see 4 above).

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1. *Line drawings* should be supplied as TIFF files or high-resolution BMP or JPEG files for preference. Figures should be supplied separately from the text (they should not be embedded in Word documents), and they should not be submitted as PDF files. Symbols should be used to match those used in the text (see ‘Preparation of Manuscripts’, above). **Please avoid use of shading**; use hatching instead for clarity. Multicoloured line drawings should be avoided if possible, as they will normally be rendered in black and white. Text size and line thickness should be such that they can withstand sensible reduction.
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