15th Conference on Rapid Design, Prototyping & Manufacturing (RDPM2017)
27th – 28th April 2017, Northumbria University, Newcastle

Guidelines for Preparation of Manuscripts

Scripts

The page/paper size must be set to "A4". Manuscripts should be between four to six pages in length, including in-place illustrations. The text should be typed in size 12 point Times New Roman font, in single spacing and in a single column, in Microsoft Word format. Full justification (left and right alignment) must be used and all margins should be 2.5 cm.

The title should be in size 14 point Times New Roman font. The authors' name(s) and affiliation(s) and e-mail address(es) should be given below the title, after a (12 point) double line space, in the following format:

Surface Finish Improvement of LMD Samples Using Laser Polishing

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There should follow 3 line spaces and then the abstract under the heading:

ABSTRACT
There is no line space between 'ABSTRACT' and the text which follows it. The abstract should not exceed 150 words. Authors should list up to five keywords at the end of the abstract, to facilitate citation by abstracting services. The separate sections in the paper should normally comprise an introduction, experimental procedures, and discussions of results and conclusions. Authors are requested to use SI units wherever possible. It is, however, accepted that in technological contributions, other units may be more meaningful. SI equivalents should then be given in a footnote. Pages should **not** be numbered. Proprietary and trade names should be avoided if possible but articles mentioning them may be accepted if there is a genuine contribution to scientific understanding.

KEYWORDS: Surface Roughness; Laser Polishing; Laser Metal Deposition; Design of Experiments; Laser Energy

There should be a double line spacing between the 'KEYWORDS' and the 'INTRODUCTION' section. There should be a full single line space between successive paragraphs and there should be no indent at the beginning of each paragraph. Section headings should be boldface and capitalised, e.g.:

1. INTRODUCTION

Sub-headings should be in lower case and boldface, except for the first letter in the sub-heading, which should be capitalised, e.g.:

3.1 Visual inspection – joint fillets

There should be a double line space before each new section/sub-section, and a single line space between the heading and the text that follows.

REFERENCES

References should be numbered consecutively through the text as numbers in square brackets, preceded by a single space, at the end of sentences, e.g. [10]. The reference details should be listed in numerical order at the end of the script. References should include authors, the publication in its widely accepted abbreviation, year of publication, volume number, issue number if essential, and page number, as:

Reference to a paper:

[1] E. Sabourin, S.A Houser and J.H. Bohn, Adaptive slicing using stepwise uniform refinement, *Rapid Prototyping Journal*, 1996, 2 (4), pp.20-26.

Reference to a book:

[2] D.M. Jacobson and G. Humpston, *Principles of Brazing*, (Materials Park OH: ASM International, 2005), p.38.

Note: if the periodical cited is not widely known in the scientific/techological community, its name should be written in full.

Illustrations

All illustrations should be placed within the text, centre justified, with double line spacing between the preceding text and the figure and also between the figure caption and text that follows. Single line spacing should be inserted between the actual figure and its caption.

Curves in graphs should be drawn boldly, the lines being twice as thick as the frame. For clarity, only major grid lines should be shown. Experimental points should be indicated with appropriate symbols. Photographic images should be in black and white with good contrast. Photomicrographs must contain a labelled unit length.

All tables, graphs, diagrams and photographs should be presented with appropriate captions, centre justified, in the following format, with figures and tables numbered incrementally, thus:

Figure 2: Assembly of components

Table 2: Comparison of sample characteristics

The scripts should be submitted as a MS Word document file-attachment to an email