Instructions and Template for a Manuscript of Proceedings and Extended Abstract Book of the 9th JSTP-ISPF

First Author1\*, Second Author 2 and Last Author3

1Dept., Affiliation, Country

2Dept., Affiliation, Country

3Dept., Affiliation, Country

\*secretary@jstp-ispf.com

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| AbstractThis is the instructions and format of the proceedings and extended abstract book of the 9th JSTP International Seminar on Precision Forging (ISPF 2024). Please follow these instructions to prepare the manuscript. It is highly suggested to use this template to prepare your paper when using Microsoft Word.Keywords : Term, Term2, Term3, Term4,…(Show three to five keywords) |

1. Introduction

This is the instructions and template of the proceedings and extended abstract book of the 9th JSTP International Seminar on Precision Forging (ISPF 2024). Please follow these instructions to prepare the manuscript. It is highly suggested to use this template to prepare your paper when using Microsoft Word.

All papers must be prepared in English. The seminar proceedings is for authors of keynote lecture, while the extended abstract is for authors (young researchers/engineers) of oral and poster presentations. The length of the manuscript is 6 pages in minimum for authors of keynote lecture and is limited to 2 pages for authors of oral and poster presentations. The font of the main text in the manuscript is "Times New Roman" with 10 point.

2. Title, authors' name and affiliations

The title should be concise but sufficiently descriptive to identify the contents of the paper. Nonstandard abbreviations and acronyms should be avoided in the title. Capitalize the initial letter of each word. The authors' names and affiliations should be placed immediately following the title. The given names and family names should be spelled out. Please mark the corresponding author with an asterisk (\*) after the name, and provide the e-mail address of the corresponding author. Do not provide e-mail addresses of authors other than the corresponding author.

3. Headings

The main body of the text should be suitably divided into sections (and if necessarily subsections), each with a heading. For instance,

4. Experimental conditions

4.1 Forging conditions

4.1.1 Material

4.1.2 Apparatus

4.2 Analysis conditions

5. Abstract

The length of the abstract should be 100-200 words. The abstract should appear immediately following the title, authors' names and affiliations. In the abstract, the authors should clearly state the contents of the manuscript so that readers can understand the contents of the paper without reading the main body. Figures, tables and references in the text should not be cited. If the citation of an equation is unavoidable, the full equation should be given rather than citing only the equation number. Do not insert line feeds in the abstract, i.e., the abstract should be written as only one paragraph.

6. Keywords

Three to five keywords should be given below the abstract. The keywords should be chosen so that they would best describe the contents of the paper. They are also useful in the classification and search of papers. The use of hyphens, prepositions and articles should be avoided. Capitalize the initial letter of each word.

7. Figures, tables, photographs and online supplements

Figures, photographs and tables can be used to describe clearly and accurately the contents of the paper. In general, figures are useful for presenting general tendencies, and tables are suitable for presenting specific numeric values and data. Figures, photographs and tables can be presented in color because the proceedings and extended abstract book will be distributed to the participants as pdf file. Above the tables and under the figures there should be a table and a figure number, respectively, and a caption.

Table 1 Physical properties of metals at room temperature.

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| --- | --- | --- | --- | --- | --- |
| Metal | Density*r* /kg·m-3 | Specific heat*c* /J·kg-1·K-1 | Thermal conductivity*l* /W·m-1·K-1 | Tensile strength /MPa | Elongation (%) |
| Steel | 7.9×103 | 460 | 78 | 216 | 35 |
| Aluminum | 2.7×103 | 920 | 240 | 167 | 60 |
| Magnesium | 1.7×103 | 1040 | 160 | 147 | 8 |
| Titanium | 4.5×103 | 530 | 22 | 233 | 54 |
| Copper | 8.9×103 | 390 | 400 | 213 | 50 |



Fig. 1 Movement of edge dislocation across crystal lattice under shear stress.

8. Citation of equations, figures, tables, and others in the text

Within a sentence, equation and figure are cited with "Eq." and "Fig." with the number, respectively, for example, "Eq. (1) " and "Fig. 1". At the beginning of a sentence, they should be written out as "Equation (1)" and "Figure 1". The equations, the figures and the tables have to be individually numbered according to their sequence throughout the article, for example, "Eq. (1)", "Eq. (2)", "Fig. 1", "Fig. 2", and "Table 1", "Table 2". The number of equation put in parentheses at the right-hand edge of the text.

$Y=\overbar{σ}=\sqrt{\frac{1}{2}\left\{\left(σ\_{x}-σ\_{y}\right)^{2}+\left(σ\_{y}-σ\_{z}\right)^{2}+\left(σ\_{z}-σ\_{x}\right)^{2}+6\left(τ\_{xy}^{2}+τ\_{yz}^{2}+τ\_{zx}^{2}\right)\right\}}$ (1)

$\frac{1}{6η}\left\{\frac{∂}{∂x}\left(h^{3}\frac{∂p}{∂x}\right)\right\}=-\left(U\_{0}+U\_{1}\right)\frac{∂h}{∂x}+2\frac{∂h}{∂t}-h\frac{∂\left(U\_{0}+U\_{1}\right)}{∂x}$ (2)

$\left\{\begin{matrix}ε\_{x}\\ε\_{y}\\γ\_{xy}\end{matrix}\right\}=\frac{1}{E}\left[\begin{matrix}\left(1-ν^{2}\right)&-ν\left(1+ν\right)&0\\-ν\left(1+ν\right)&\left(1-ν^{2}\right)&0\\0&0&2\left(1+ν\right)\end{matrix}\right]\left\{\begin{matrix}σ\_{x}\\σ\_{y}\\τ\_{xy}\end{matrix}\right\}$ (3)

9. References

References should be indicated in the text using consecutive numbers in square brackets, e. g. [1]. Two or more references at a time may be put in one set of brackets [3,4], [3-5]. The references are to be numbered in the order in which they are cited in the text and are to be listed at the end of the paper. Family name, initial of first name, year of publication, full paper title, journal name, volume, issue, first and last page (or article ID). Unpublished works (including papers not yet submitted or not yet published) should be avoided. The complete name of the journal referred to should be given. See an example below.

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