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**ABSTRACT**

This paper presents a sample of full paper for the 27th International Conference on Nuclear Engineering (ICONE-27), that will be held in Ibaraki, Japan, May 19-24, 2019.

Please read this sample for your understanding of format of full paper for review and comment. The same format should be used in your final paper for electronic publication.

The ICONE has been held in Tokyo (1991), San Francisco (1993), Kyoto (1995), New Orleans (1996), Nice (1997), San Diego (1998), Tokyo (1999), Baltimore (2000), Nice (2001), Washington (2002), Tokyo (2003), Washington (2004), Beijing (2005), Miami (2006), Nagoya (2007), Orlando (2008), Brussels (2009), Xi'an (2010), Osaka (2011), Anaheim (2012), Chengdu (2013), Prague (2014), Makuhari (2015), Charlotte (2016), Shanghai (2017), and London (2018).

The Japan Society of Mechanical Engineers (JSME), American Society of Mechanical Engineers (ASME) and Chinese Nuclear Society (CNS) are jointly organizing the 27th International Conference on Nuclear Engineering.

**1. INTRODUCTION**

This sample is prepared using A4 size papers; top margin is 20 mm (0.8 in) and bottom margin is 20 mm (0.8 in). Left margin is 15 mm (0.6 in) and right margin is 15 mm (0.6 in) for A4 size paper (or letter size paper). In the previous sentences, margins for letter size papers (8 1/2 in x 11 in) are shown in the parentheses.

This paper page should be started by the title (14 pt bold), name (12 pt bold) and affiliation, address of each author.

Although no figures and tables are added in this example, you should embed all of figures, tables, and equations in your text. We cannot accept the separated files containing your figures, tables, or equations. You can use colored figures and photographs if you want.

**2. PAPER FORMAT**

The manuscript should be prepared by English. Paper should be double column, and single-spaced.

The first page should be started by the title, and the name, affiliation, address of each author. An abstract within 400 words should be followed to the title section. In abstract, please state briefly the purpose, method and results of the paper, followed by 5 or more Keywords.

**2.1 Equations and References**

2.1.1 Equations

Equations should be written as shown below, which should be numbered in Arabic numerals with parenthesis.

$$\frac{\partial \alpha_g \rho_g}{\partial t} + \frac{\partial \alpha_g \rho_g u_g}{\partial z} = 0 \quad (1)$$

2.1.2 References

References should be listed together in alphabetical order at the end of the text. In the main text, the references should be quoted such that "Inoue (2004) found...." or "It was found that ....(Inoue et al., 2004; Suzuki et al., 2006a, Suzuki et al., 2006b)."

**2.2 Figures and Tables**

2.2.1 Placement

Figures and tables are preferably placed right after their citation in the text. They may be placed collectively at the end of the text. When figures and/or tables have large width, they can be placed in a single column.

### 2.2.2 Captions

Figures and tables should be numbered in Arabic numerals followed by the title, as below.



**Fig. 1** The logo of the ICONE-27



**Fig. 2** The logo of the Japan Society of Mechanical Engineers

## 3. FONTS

For fonts, acceptable fonts are limited in the digital version of your final paper to “Helvetica”, “Arial”, “Times Roman”, “Times New Roman”, “Times”, “Courier”, or “Symbol” We recommend you that you use the acceptable fonts even in your full paper for review and comments.

## 4. TRANSMISSION OF DOCUMENT

### 4.1 Abstract Submission

Authors should submit 400-word abstract (text only) with name, affiliation, address, phone, fax and e-mail address via the ICONE-27 website. Please indicate the intended Track. Manuscripts must be written in English. Once your abstract is submitted via the website your submittal will get automatically a paper number. Your paper number should be included on your draft and final papers.

On the website (<https://www.icone27.org/>), your abstract will be reviewed and selected by peer review.

### 4.2 Submission of Full-Length Draft Paper

Once your abstract has been accepted, you should submit full-length draft paper for review. We ask that you submit the draft as a PDF file via the website. If it is judged that paper revision is necessary before acceptance, revised draft paper should be submitted for further review.

### 4.3 Submission of Final paper and Copyright Transfer Form

Once your draft paper is reviewed and approved, you may modify and complete your full paper and then submit your

final paper for electronic publication. Moreover, for the publication of your final paper, we need the signed copyright transfer form.

### 4.4 Confirmation of Deadlines for Paper Publication

Please note if you do not submit your all materials by the deadlines, those may not be published in the proceedings of ICONE-27. The deadlines are shown in the following ICONE-27 website: <http://www.icone27.org/>.

In addition, to publish your paper in the proceedings, you are requested to complete the registration, pay the registration fee, and make presentation in the conference.

### 4.5 Elsevier Index and Publication of Selected Papers in Mechanical Engineering Journal (JSME)

The Elsevier indexes (Scopus and Compendex) will be given to the papers included in the ICONE27 proceedings.

Revised version of selected final papers of ICONE-27 are published in the special issue of Mechanical Engineering Journal (JSME).

## 5. CONCLUSIONS

This sample is illustrated to help your understanding on the paper format. We are looking forward to seeing you at the ICONE-27.

## NOMENCLATURE

$A$  area of bubble surface

$u$  velocity

### Greek letters

$\alpha$  void fraction

$\rho$  density

### Subscripts

$g$  gas phase

$l$  liquid phase

## ACKNOWLEDGMENTS

Acknowledgments are placed here if needed.

## REFERENCES

- Inoue, K., et al., 2004, A study on materials for advanced nuclear reactors, J. Nucl. Mater., Vol. 1, pp. 11-21.
- Suzuki, A., 2006a, Review of recent reserches in Japan, JAEA-Reserach 2006-001.
- Suzuki, A., 2006b, Review of recent reserches on nuclear engineering, JAEA-Reserach 2006-002.