

## ALONG AND ACROSS WIND GUST FACTORS: A PARAMETRIC STUDY

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### ABSTRACT

This document describes the format for the 4-page extended ABSTRACT or full-length paper (10 pages) to be presented in the Eighth National Conference on Wind Engineering to be held at IIT (BHU), Varanasi during December 16-17, 2016 (VIII NCWE 2016). It is our goal to maintain a reasonable degree of consistency between papers in the final proceedings/product. This document has been created in the required format. It can therefore be used as a template by simply typing over the existing contents of the file. The template will be made available in the conference website (<http://8ncwe.iitbhu.ac.in/> under preparation) under the “ABSTRACT/Paper Submission” item.

**Keywords:** Wind engineering, Document, Format

### Introduction

The extended ABSTRACTs are limited to 4 pages, which will be published in the printed volumes of Proceedings for distribution at the Conference, if accepted. The full-length papers will be assembled in digital format, which will also be contained in the conference kit. The full paper shares the same format as the extended ABSTRACT as provided in this document except that the page limit is maximum of 10 pages. The submission of all ABSTRACTs and full-length papers will be handled electronically (later). Please use the on-line “ABSTRACT/Paper Submission” option provided at the NCWE-VIII 2016 web site (<http://8ncwe.iitbhu.ac.in/> under preparation) to submit your ABSTRACT or full-length paper.

### Format Requirements

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### General Format Requirements

The general format requirements are as follows:

1. *Length*: Maximum of 10 pages (A4 size paper) for full-length paper.
2. *Margins*: Top, bottom, and side margins are 2.5 cm.
3. *Header (from the 2<sup>nd</sup> page onwards)*: Please put the title, dates and location of the conference in 10 pt italic Times New Roman (left justified)
4. *Title*: Centered on the first page. Use caps in 14 pt bold Times New Roman.
5. *Authors/Affiliations/Emails*: Author names are to be centered beneath the title and printed in 12 pt Times New Roman. The author name(s) is/are in the normal type, numbered and followed by an affiliation line (10 pt Times New Roman) in italics, and email address (es) (10 pt Times New Roman) in italics. The affiliations and emails may be repeated as necessary for multiple authors.
6. *ABSTRACT Header*: 12 pt bold capital Times New Roman, with one blank line above and below.
7. *ABSTRACT*: A 100-150 words ABSTRACT in 12 pt Times New Roman, 12 pt spacing, justified on both margins
8. *Keywords*: 10 pt bold Times New Roman, 12 pt spacing, with one blank line above and below.
9. *Section Headings*: 12 pt bold Times New Roman, with one blank line above and below.
10. *Section Subheadings*: 12 pt italic Times New Roman, with one blank line above.
11. *Text Body*: 12 pt Times New Roman, 14 pt spacing, justified on both margins, indentation for the beginning of a paragraph.
12. *Figures*: Insert in the text body where is appropriate, with 12 pt Times New Roman caption centered below the figure as shown in the example below. The text content (if any) in the figure should be in Times New Roman font with a minimum font size of 10.
13. *Tables*: 12 pt Times New Roman caption centered above the table. The table text is 12 pt Times New Roman, centered, as shown in the example below.
14. *Equations*: Centered, with equation number at the right.
15. *Units*: SI units are preferred.
16. *References*: References should appear at the end of the paper in 12 pt Times New Roman in alphabetical order as shown at the end of this document. Citations in the text of the paper should use authors' last names and the year; for example, "... as presented in the literature [Mandal *et al.* (2001) and Ojha *et al.* (2001)]" or "... using the methods proposed by Simiu and Scanlan (1996)" or "... according to Keerthana *et al.* (2013)".

#### Format Examples

An example of an equation is shown in Eq. (1) below.

$$\frac{nS_u(n)}{\sigma_u^2} = \frac{4x_u}{(1 + 70.78x_u^2)^{5/6}} \quad (1)$$

Examples of figures and tables are given in Figure 1 and Table 1, respectively, as shown below.

Table 1: Comparison of experimental values of  $\alpha$  with empirical values

Trip board height (cm)	Small and big roughening elements		Small roughening elements	
	Experiment	Empirical	Experiment	Empirical
35	0.25	0.25	0.20	0.21
30	0.24	0.24	0.19	0.20

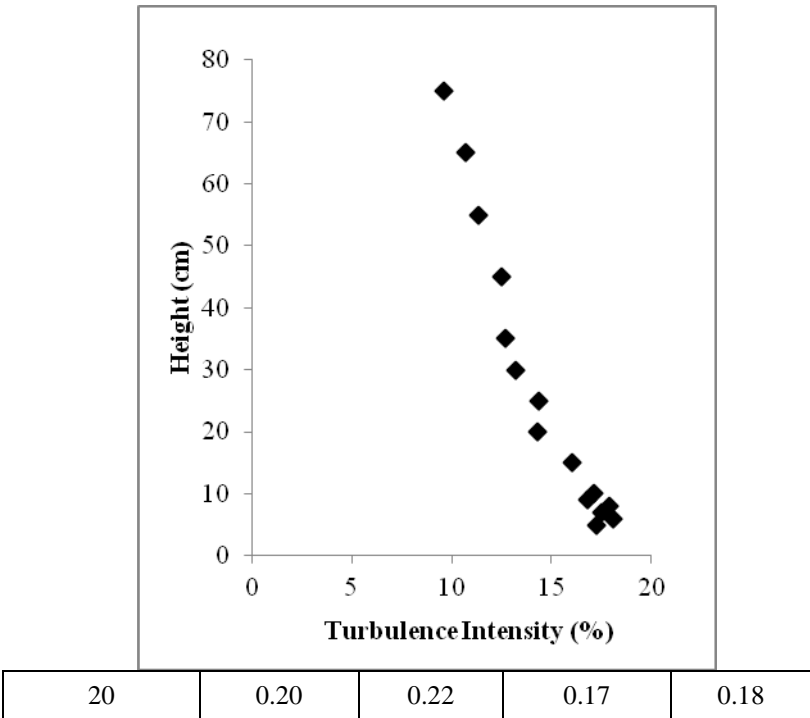


Fig. 1 : Simulated turbulence intensity profile in wind tunnel for open terrain condition

**Conclusions**

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**References**

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