

## Instructions for Authors Submitting Papers to Nordic mini-seminar on "Form filling ability of self-compacting concrete"



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### ABSTRACT

The manuscript shall commence with a short abstract and at least four key words. The abstract ought to summarise problem, research method, and important results. It ought to be limited to 200 words.

**Key words:** instructions, layout, headings, figures and tables, references.

## 1. INTRODUCTION

### 1.1 General

The manuscript is to be written in English. Use the computer's spell check to avoid spelling errors. The manuscript should be limited to **three (3)** pages including illustrations and the reference list. The paper shall be sent to Anita Christensen before September 1!

The manuscript shall be typed in the word processing format MS Word and send either on a word processing disk or by e-mail as an attached file. In both cases, the author has to provide a camera-ready paper version as well to be used for comparison. Please do not use hyperlink and automatic referencelists.

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## 1.2 Paper title, author presentation, abstracts, and key words

The paper title should be of type size 14 and limited to two lines. Below the headline, there should be a photograph(s) of the author(s) and a short presentation of the author(s). The photograph should be about 40×50 mm and ranged left. If there are more than one author, the photographs should be arranged in a vertical row. The presentation of the author should include the following data: title, name, degree (if any); e-mail address; affiliation; address. If there are any co-authors, they should be presented straight below the first presentation. An abstract and key words should be ranged below the author presentations. The spacing between paper title and photograph and author presentation should be one line. The spacing between author presentation and abstract should be two lines. The author presentation(s), abstract, and key words should be indented 50 mm from the left margin.

## 2. PREPARATION OF THE TEXT

To provide uniformity in the proceedings, the following rules of style are to be followed:

### 2.1 Paper size

The manuscript should be written on white paper, page size A4 (210×297 mm) or letter (216×279 mm). The typing area is limited to 164×244 mm. All text, figures, and tables must fit within this frame. Prior to printing, the pages are photographed and diminished to 81 % (170×240 mm), which should be borne in mind when deciding on illustration format.

### 2.2 Spacing, margins, and paragraphs

The manuscript should be singly spaced. Paragraphs should be separated by one line, a paragraph and a major heading or the first level of subheading by two lines. The text should be justified both left and right.

The top margin should be 30 mm and the left margin 23 mm.

### 2.3 Type font and size

The manuscript ought to be typed in the font Times New Roman 12, if that is possible, otherwise in some similar font. The paper title should be of type size 14 and in bold lower case letters with initial capitals on essential words. Text within tables might be of type size 10.

### 2.3 Headings and subheadings

#### *General*

Headings and subheadings should be limited to three levels. They should all be ranged left. Major headings should be numbered consecutively and in **BOLD UPPERCASE LETTERS**. It should be separated with two lines above and one line after to the adjacent paragraphs. The first

level of subheading should be numbered with two digits. It should be in **bold lower case letters**. The spacing above and below should be two and one line, respectively.

#### *Second level of subheading*

If a second level of subheadings is used, it should be in *italics* with one line of spacing above and none below. The second level of subheading should not be numbered.

## **2.4 Pagination**

Page number should be placed in the middle of the top margin, beginning with page 1 in each manuscript. The pages will be repaginated in the printing.

## **2.5 Nomenclature**

The nomenclature used by the International Federation for Structural Concrete (fib) should be used as far as possible. Only SI-units are allowed. All symbols should be explained where they first appear.

## **2.6 Equations**

Equations should be indented 10 mm from the left margin. They should be numbered consecutively with a number in brackets indented 10 mm from the right according to the following example:

$$f_{ct} = 0.30f_{cc}^{2/3} \quad (1)$$

## **2.7 Illustrations**

Illustrations are to be placed fully inside the margins. The quality of the illustrations is essential. For best quality of the proceedings, we recommend authors to draw all figures on the computer. Photographs should be placed in the text as jpg files.

The illustrations should be placed in context, with accompanying explanatory legends or texts under these, but table legends should be placed on top of the tables. Illustrations and tables are to be numbered separately, starting with 1. Figure captions and table texts should be in *italics* and spaced one line from the adjacent paragraph.

Examples of a table and a figure are given below.

*Table 1 – Field tests on bond in zones with either positive or negative moment*

Bridge	Failure stress in zones with positive moment (MPa)		Failure stress in zones with negative moment (MPa)	
	at time of repair	in 1995	at time of repair	in 1995
Bjurholm	1.66	1.66	2.06	2.43
Mälsund	-	1.84	1.63	1.44
Umeå	-	1.65	-	1.79
Vrena	1.50	1.58	1.36	1.97



*Figure 1 – Capital from ancient Greece.*

## 2.8 References

The references should be numbered consecutively in order of appearance. The number should be written in brackets, e.g., [1]. The references should be listed at the end of the paper under the major heading **REFERENCES**, see below.

### REFERENCES

1. Silfwerbrand, J., "Improving Concrete Bond in Repaired Bridge Decks," *Concrete International*, Vol. 12, No. 9, September 1990, pp. 61-66.
2. Silfwerbrand, J., & Petersson, Ö., "Thin Concrete Inlays on Old Concrete Roads," *Proceedings*, 5<sup>th</sup> International Conference on Concrete Pavement Design & Rehabilitation, Purdue University, West Lafayette, Indiana, USA, April 1993, Vol. 2, pp. 255-260.
3. Swedish National Road Administration, "Regulations for Bridges," Part 7, "Bridge Maintenance," Borlänge, Sweden, 1994, 47 pp. (In Swedish).
4. Zhu, Y., "Evaluation of Bond Strength between New and Old Concrete by Means of Fracture Mechanics Method," *Bulletin* No. 157, Dept. of Structural Mechanics and Engineering, Royal Institute of Technology, Stockholm, 1991, 102 pp.
5. ACI Committee 546, "Guide for Repair of Concrete Bridge Superstructures," (ACI 546.1 R-80), American Concrete Institute, Detroit, 1980, 20 pp.
6. Manning, D.G., "Effects of Traffic-Induced Vibrations on Bridge-Deck Repairs," *NCHRP Synthesis* No. 86, Transportation Research Board, Washington D.C., 1981, 40 pp.
7. Timoshenko, S.P., & Woinowsky-Krieger, S., "Theory of Plates and Shells". 2nd Edition, McGraw-Hill Book Company, Inc., and Kōgakusha Company, Ltd., New York, Toronto, London, Tokyo, 1959, 580 pp.