

Instructions for Authors Submitting Papers to Nordic Concrete Research {NCR} – Version 2010



Dirch H. Bager
M.Sc., Ph.D.
DHB-Consult
Lavendelparken 5,
DK 9310 Vodskov
E-mail: dirch.bager@webspeed.dk

Siri Fause
Fagchef
Norwegian Concrete association / Tekna
Kronprinsensgate 17
P. O. Box 2312 Solli
N - 0201 Oslo
E-mail: siri.fause@tekna.no



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 100 words.

Key words: Instructions, layout, headings, figures and tables, references.

1. INTRODUCTION

1.1 General

These instructions are written according to the rules for authors submitting papers to Nordic Concrete Research, NCR.

Papers for NCR shall deal with research and development within the Nordic countries related to concrete materials and structures.

The manuscript is to be written in English, Great Britain version. Use the computer's spell check to avoid spelling errors. The manuscript should be limited to twenty (20) pages including illustrations and the reference list. The manuscript shall be sent to the editor, Dirch H. Bager (dirch.bager@webspeed.dk), who is responsible for reviewing of the paper before publishing. All papers are reviewed by three reviewers.

The manuscript shall preferably be typed in the word processing format MS Word and send either on a CD or as an attached file to an e-mail.. Automatic numbering of paragraphs, tables,

figures and references must not be used. Avoid footnotes if possible. If you must use them, please be sure that they are typed within the margins specified in section 2.

NCR is normally published in June and December. Deadline for submitting papers are respectively 15th of March and 15th of September. At the time of publishing, the abstract will be placed on the homepage www.nordicconcrete.org. Half a year later the full paper will be published on the homepage for free download.

1.2 Paper title, author presentation, abstract, 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 is more than one author, the photographs should be arranged in a vertical row. The presentation of the author should include the following data: Name, degree (if any); title, affiliation, address and preferably; e-mail 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.

Since a requirement for receiving "The NCR Best Paper Award" is that the author is less than 35 year old, the editor of NCR need to know the age of the main author.

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) 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 other margins 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 in relevant European standards as Eurocodes, EN 206-1 and EN 13670 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:

$$f_{ct} = 1.30 f_{cc}^{2/3} \quad (1)$$

2.7 Illustrations

Illustrations are to be placed fully inside the margins. The quality of the illustrations is essential.

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, 5th 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. Bager, D.H., Geiker, M.R., Jensen, R.M, "Rheology of self-compacting mortars, influence of particle packing", *Nordic Concrete Research* no. 26, 2001 pp. 1-16