**Author Guidelines for the Preparation of Contributions**

**to Springer Proceedings (Title)**

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(put \* after the name of corresponding author)

**Abstract.** The abstract is a mandatory element that should summarize the contents

of the paper and should contain at least 70 and at most 150 words. Abstract

and keywords are freely available in SpringerLink.

**Keywords:** We would like to encourage you to list your keywords(5-7) here. This is for search engine optimization.

**1 Introduction**

Your contribution may be prepared in LaTeX or Microsoft Word. Technical Instructions

for working with Springer’s style files and templates are provided in separate

documents which can be found in the respective zip packages on our website.

\* No academic titles or descriptions of academic positions should be included in the addresses.

The affiliations should consist of the author’s institution, town, and country.

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**2 Preparation of Your Paper**

**2.1 Structuring Your Paper**

**Affiliations.** The affiliated institutions are to be listed directly below the names of the

authors. Multiple affiliations should be marked with superscript Arabic numbers, and

they should each start on a new line as shown in this document. In addition to the name

of your affiliation, we would ask you to give the town and the country in which it is

situated. If you prefer to include the entire postal address, then please feel free to do so.

E-mail addresses should start on a new line and should be grouped per affiliation.

**Headings.** Headings should be capitalized (i.e., nouns, verbs, and all other words

except articles, prepositions, and conjunctions should be set with an initial capital)

and should, with the exception of the title, be aligned to the left. Only the first two

levels of section headings should be numbered, as shown in Table 1. The respective

font sizes are also given in Table 1. Kindly refrain from using “0” when numbering

your section headings.

**Table 1.** Font sizes of headings. Table captions should always be positioned *above* the tables.

Heading level Example Font size and style

Title (centered) **Lecture Notes** 14 point, bold

1st-level heading **1 Introduction** 12 point, bold

2nd-level heading **2.1 Printing Area** 10 point, bold

3rd-level heading **Run-in Heading in Bold.** Text follows 10 point, bold

4th-level heading *Lowest Level Heading.* Text follows 10 point, italic

Words joined by a hyphen are subject to a special rule. If the first word can stand

alone, the second word should be capitalized.

Here are some examples of headings: “Criteria to Disprove Context-Freeness of

Collage Languages”, “On Correcting the Intrusion of Tracing Non-deterministic Programs

by Software”, “A User-Friendly and Extendable Data Distribution System”,

“Multi-flip Networks: Parallelizing GenSAT”, “Self-determinations of Man”.

**Lemmas, Propositions, and Theorems.** The numbers accorded to lemmas, propositions,

and theorems, etc. should appear in consecutive order, starting with Lemma 1.

Please do not include section counters in the numbering like “Theorem 1.1”.

**2.2 Length of Papers**

We only wish to publish papers of significant scientific content. Very short papers

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**2.3 Page Numbering and Running Heads**

There is no need to include page numbers or running heads; this will be done at our

end. If your paper title is too long to serve as a running head, it will be shortened.

Your suggestion as to how to shorten it would be most welcome.

**2.4 Figures and Tables**

It is essential that all illustrations are clear and legible. Vector graphics (rather than

rasterized images) should be used for diagrams and schemas whenever possible.

Please check that the lines in line drawings are not interrupted and have a constant

width. Grids and details within the figures must be clearly legible and may not be

written one on top of the other. Line drawings are to have a resolution of at least 800

dpi (preferably 1200 dpi). The lettering in figures should not use font sizes

0 1 2 3 4

0,0

0,5

1,0

1,5

first span

power fluctuation (1555 nm), dB

time, ms

second span

third span

**Fig. 1.** Power distribution of channel at 1555 nm along the link of 383 km (Source: LNCS

5412, p. 323)

**Fig. 2.** Artifacts empowered by Artificial Intelligence (Source: LNCS 5640, p. 115)

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smaller than 6 pt (~ 2mm character height). Figures are to be numbered and to have a

caption which should always be positioned *under* the figures, in contrast to the caption

belonging to a table, which should always appear *above* the table.

Captions are set in 9-point type. If they are short, they are centered between the

margins. Longer captions, covering more than one line, are justified (Fig. 1 and Fig. 2

show examples). Captions that do not constitute a full sentence, do not have a period.

Text fragments of fewer than four lines should not appear at the tops or bottoms of

pages, following a table or figure. In such cases, it is better to set the figures right at

the top or right at the bottom of the page.

If screenshots are necessary, please make sure that the essential content is clear to

the reader.

*Remark 1.* In the printed volumes, illustrations are generally black and white (halftones),

and only in exceptional cases, and if the author or the conference organization

is prepared to cover the extra costs involved, are colored pictures accepted. Colored

pictures are welcome in the electronic version free of charge. If you send colored

figures that are to be printed in black and white, please make sure that they really are

also legible in black and white. Some colors show up very poorly when printed in

black and white.

**2.5 Formulas**

Displayed equations or formulas are centered and set on a separate line (with an extra

line or half line space above and below). Displayed expressions should be numbered

for reference. The numbers should be consecutive within the contribution, with numbers

enclosed in parentheses and set on the right margin. Please do not include section

counters in the numbering.

*x* + *y* = *z* (1)

Equations should be punctuated in the same way as ordinary text but with a small

space before the end punctuation mark.

**2.6 Footnotes**

The superscript numeral used to refer to a footnote appears in the text either directly

after the word to be discussed or – in relation to a phrase or a sentence – following the

punctuation mark (comma, semicolon, or period).1

For remarks pertaining to the title or the authors’ names, in the header of a paper,

symbols should be used instead of a number (see first page of this document). Please

note that no footnotes may be included in the abstract.

1 The footnote numeral is set flush left and the text follows with the usual word spacing.

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**2.7 Program Code**

Program listings or program commands in the text are normally set in typewriter font:

program Inflation (Output)

{Assuming annual inflation rates of 7%, 8%, and

10%,... years};

const MaxYears = 10;

var Year: 0..MaxYears;

Factor1, Factor2, Factor3: Real;

begin

Year := 0;

Factor1 := 1.0; Factor2 := 1.0; Factor3 := 1.0;

WriteLn('Year 7% 8% 10%'); WriteLn;

repeat

Year := Year + 1;

Factor1 := Factor1 \* 1.07;

Factor2 := Factor2 \* 1.08;

Factor3 := Factor3 \* 1.10;

WriteLn(Year:5,Factor1:7:3,Factor2:7:3,

Factor3:7:3)

until Year = MaxYears

end.

[Example of a computer program from Jensen K., Wirth N.: Pascal User Manual and

Report. Springer, New York (1991)]

**2.8 Citations and Bibliography**

For citations in the text, please use square brackets and consecutive numbers. We

would write [1,2,3,4,5] for consecutive numbers and [1], [3], [5] for non-consecutive

numbers. The numbers in the bibliography section are without square brackets. We

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Assemlal, H.E., Tschumperlé, D., Brun, L.: Efficient Computation of PDF-Based Characteristics

from Diffusion MR Signal. In: Metaxas, D., Axel, L., Fichtinger, G., Székely, G. (eds.)

MICCAI 2008, Part II. LNCS, vol. 5242, pp. 70–78. Springer, Heidelberg (2008)

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The references section at the end of this paper shows a sample reference list with

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**References**

1. Smith, T.F., Waterman, M.S.: Identification of Common Molecular Subsequences. J. Mol.

Biol. 147, 195–197 (1981)

2. May, P., Ehrlich, H.C., Steinke, T.: ZIB Structure Prediction Pipeline: Composing a Complex

Biological Workflow through Web Services. In: Nagel, W.E., Walter, W.V., Lehner,

W. (eds.) Euro-Par 2006. LNCS, vol. 4128, pp. 1148–1158. Springer, Heidelberg (2006)

3. Foster, I., Kesselman, C.: The Grid: Blueprint for a New Computing Infrastructure. Morgan

Kaufmann, San Francisco (1999)

4. Czajkowski, K., Fitzgerald, S., Foster, I., Kesselman, C.: Grid Information Services for

Distributed Resource Sharing. In: 10th IEEE International Symposium on High Performance

Distributed Computing, pp. 181–184. IEEE Press, New York (2001)

5. Foster, I., Kesselman, C., Nick, J., Tuecke, S.: The Physiology of the Grid: an Open Grid

Services Architecture for Distributed Systems Integration. Technical report, Global Grid

Forum (2002)

6. National Center for Biotechnology Information, http://www.ncbi.nlm.nih.gov