TITLE OF THE PAPER FOR THE 10TH BERLIN BEAMFORMING CONFERENCE

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Abstract

These are the instructions for authors for the preparation of manuscripts for inclusion in the BeBeC 2024 Proceedings using LaTeX. The proceedings will be published digitally and on the BeBeC website. The purpose of these instructions is to ensure uniformity in the layout and typography of the papers. Papers have to be submitted in Portable Document Format (PDF), which is generated by using pdflatex for compiling the LaTeX source code. The abstract with a maximum of 200 words should not include equations, numbered references or footnotes. The extended abstract to be submitted when registering for the Conference should be longer and must be submitted until 26 February 2024 and the full paper (at least four pages) until 20 May 2024 to the following e-mail address: **info@bebec.eu** .

1 INTRODUCTION

This section contains the basic rules for formatting your paper. These are taken care of by the template BeBeC2024-template.tex. The font Helvetica is specified for headings and Times for body text. All papers are expected to be **at least four pages** in length, including figures, tables, and illustrations. The exclusive use of the international SI units is required. United States customary units may be added in parentheses. Only manuscripts in English will be accepted. The technical programme committee reserves the right to reject any manuscript based on the final submission, even if the abstract was previously accepted.

2 MANUSCRIPT FORMAT

2.1 Layout of title and abstract

The author must enter the paper number, which was assigned when the paper was accepted for the conference.

```
\def\papernumber{BeBeC-2024-XX}
```

The number can also be retrieved from the conference website. The title of the paper is placed below the logo and is typeset in capital letters.

```
\Large{TITLE}
```

The names of the authors and their affiliation is printed below the paper title in Times Roman font and centered. After the authors, the corresponding affiliations should be listed in Times Roman and centered. For the main author, the postal address is included.

```
\normalsize{Peter Sciman$^1$ and Sarah Techwoman$^2$}\\[-0.4em]
\small{$^1$Affiliation Line 1}\\[-0.4em]
\small{Postal address} \\[-0.4em]
\small{$^2$Affiliation Line 2}
```

The left and right margins of the abstract are 3.5 cm and a smaller font is used.

2.2 Page and margin settings

Margins are taken care of by LaTeX. The paper size is A4 (210 mm × 297 mm). The top margin is set to 4 cm, the large bottom margin of 3.5 cm is chosen to allow copying on US Letter paper size. The side margins are 2.5 cm. The pages are numbered – centered at the bottom of the page – beginning with 1 on the first page. The header should contain the text "10th Berlin Beamforming Conference 2024" on the left and the names of the authors on the right. The header should be placed 2.5 cm from the top edge of the page and the footer 2 cm from the bottom edge. This is taken care of by two lines in the preamble in BeBeC2024-template.tex.

```
\ihead{10\textsuperscript{th} Berlin Beamforming Conference 2024}
\ohead{Name(s) of the author(s)}
```

2.3 Headings

First-level headings are left-justified in 14-point Helvetica bold type with all capital letters and numbered (e.g., 1. INTRODUCTION, 2. PREVIOUS WORK, etc.). Exceptions are the ABSTRACT (centered and not numbered) and the REFERENCES (not numbered). Second-level headings are left-justified in 12-point Helvetica bold type, upper and lower case (e.g., 2.1 State of the art, 2.2. Future applications, etc.). Third-level headings are output without numbers.

2.4 Body text

The body text is 12-point Times Roman. The first line of a paragraph is indented by 0.5 cm, except for the first paragraph in a section or subsection. Single line spacing is taken care of by the template.

2.5 Graphics

All graphics, charts, tables, equations, illustrations, photos, etc. should be centered and numerically ordered. Captions of more than one line should be left-justified in 11-point Times Roman italic type and located below the figure or above the table. Single line captions are centered. For clarity, the use of colored graphics is recommended.

Figures should be referenced within the text as "Fig. 1." When the reference to a figure begins a sentence, the abbreviation "Fig." should be spelled out, e.g., "Figure 1." "In Fig. 1, sine and cosine waves are shown". Equations should be referenced within the text as "Eq. (1)." When the reference to an equation begins a sentence, it should be spelled out, e.g., "Equation (1)." Tables are referenced as Table 1.
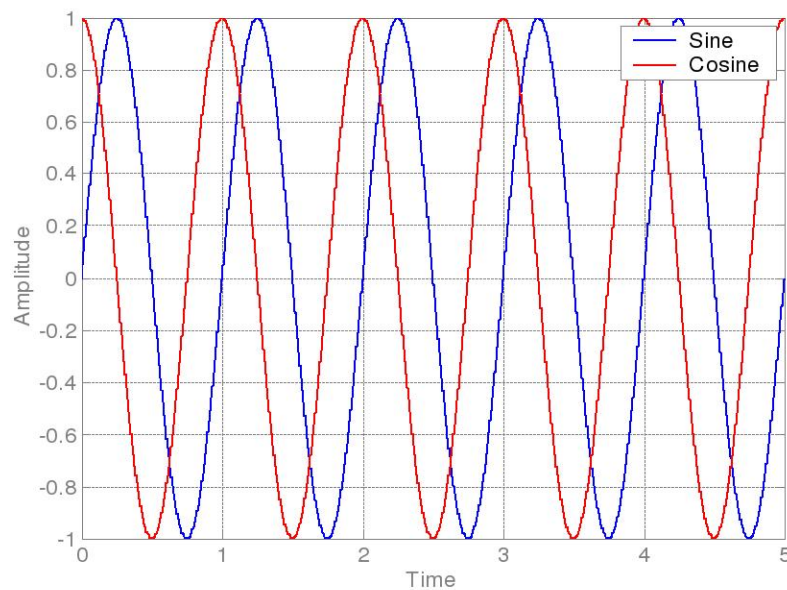

Figure 1: Example of a figure.

Table 1: Example of a table.

	Location 1	Location 2
Measurement 1	94 dB	87 dB
Measurement 2	95 dB	85 dB

An example of an equation is given below.

$$E = 2r\frac{\pi k}{cc} \tag{1}$$

3

3 PAPER SUBMISSION

3.1 Instructions for submitting the paper

The paper should be submitted to the conference secretariat as an e-mail attachment to **info@bebec.eu**. **Please use your paper number, e.g. BeBeC-2024-D01** (see program on website http:/bebec.eu) **or title in the e-mail subject field.**

3.2 PDF generation

The papers must be submitted in Adobe's Portable Document Format (PDF) version 1.3 or higher (Acrobat 4.0 or higher). The PDF document should not have any security settings enabled as this prevents the post-processing of the file for publication. All fonts must be embedded in the PDF document to guarantee readability of the document in all environments. Use of pdflatex based on the BeBeC LaTeX template satisfies these requirements.

The author is advised to check the PDF document carefully using a PDF Reader to ensure a proper conversion. No error messages should appear while opening the document.

4 CONCLUSIONS (OR SUMMARY)

The last section before the references is normally the CONCLUSIONS or SUMMARY.

5 REFERENCES

The format, order and font of the list of references is taken care of by LaTeX (pdflatex and bibtex) if the bibtex style `bebec.bst` is used. Create a bibtex file, see sample beamforminglib.bib and compile Latex source with the following commands

```
pdflatex BeBeC2024-template.tex
bibtex BeBeC2024-template
pdflatex BeBeC2024-template.tex
pdflatex BeBeC2024-template.tex
```

The result is a pdf-file for submittal to the conference proceedings.

Example citations are Guérin & Weckmüller [1] Michel & Böhning [2], and Sijtsma [3].

```
\cite{GuerinWeckmueller2008}
\cite{MichelBoehning2002}
\cite{Sijtsma2007b}
```

Multiple citations should be separated by comma, like [1, 2].

```
\cite{GuerinWeckmueller2008,MichelBoehning2002}.
```

It is suggested that a digital object identifier (DOI) is entered in the bibtex-file whenever it is known. A DOI is guaranteed to never change, so you can use it to link permanently to electronic documents.
This is how the automatically generated references part looks:

REFERENCES

[1] S. Guérin and C. Weckmüller. "Frequency-domain reconstruction of the point-spread function for moving sources." In *Proceedings on CD of the 2nd Berlin Beamforming Conference, 19-20 February, 2008*. GFaI, Gesellschaft zu Förderung angewandter Informatik e.V., Berlin, 2008. ISBN 978-3-00-023849-9. URL `http://www.bebec.eu/Downloads/BeBeC2008/Papers/BeBeC-2008-14_Guerin_Weckmueller.pdf`.

[2] U. Michel and P. Böhning. "Investigation of aircraft wake vortices with phased microphone arrays." In *8th AIAA/CEAS Aeroacoustics Conference, Breckenridge, Co, 17-19 June 2002*. 2002.

[3] P. Sijtsma. "CLEAN based on spatial source coherence." *International Journal of Aeroacoustics*, 6, 357–374, 2007.