A LaTeX class for preparing 2012 Inter-Noise papers

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This is a LaTeX `documentclass` for preparing conference papers adhering to the specifications for the 2012 InterNoise proceedings. This sample document demonstrates proper useage of the class. The original paper formatting specifications can be downloaded from `http://internoise2012.com/callabstracts.shtml`. Refer to the source of this document, `InterNoise2012Sample.tex`, for a working example of class usage.

1 INTRODUCTION

Documents prepared using this class should follow standard LaTeX markup. As per the conference guidelines, only Section and Subsection headings are numbered. Section names defined using the `\section{}` command will be capitalized automatically. For subsections defined with `\subsection{}`, the user is responsible for following the official guidelines and capitalizing only the first word.

2 FRONT MATTER

The front matter generally follows standard LaTeX practice, with some convenience differences for entering authors and affiliations. The title is specified using the normal `\title{}` command. No date should be entered.

To ease the inputting of multiple author and affiliation groups, this class uses the functionality of the `authblk` package. All authors should be entered invidually, with the `\author{}` command. Inside this command, authors' email addresses are specified with the `\thanks{}` command. For example, the author of the document class entered himself as

```
\author{Cameron Fackler\thanks{email: facklc@rpi.edu}}
```

[a)] email: facklc@rpi.edu
[b)] email: someone@somewhere.com
[c)] email: someoneelse@somewhere.com

Affiliations are entered using the `\affil{}` command, immediately following the `author` command. If multiple authors share a common affiliation, each `author` should be entered, followed by a single `affil`. Refer to the source of this document for an example.

Once the paper title and all authors and affiliations have been entered, the `\maketitle` command is issued, causing the conference logo, paper title, and author and affiliation information to be output. The abstract is then entered using the standard `abstract` environment.

3 BODY

3.1 Main Content

Section titles should be entered with the `section` command. They will be typeset in all capitals automatically. For subsections, use the `subsection` command. To follow the official paper guidelines, subsection names should have all major words capitalized individually. The author is responsible to follow this formatting: subsection titles are typeset as entered.

3.2 Tables and Figures

Tables and figures may be input throughout the document using the standard LaTeXfloating environments. This document class will gather them at the end of the document automatically.

Note that table captions should appear above tables, while figure captions should appear below their respective figure. The author must ensure that commands within the `table` and `figure` environments are entered in the correct order. Namely, in a `table` environment, the caption should be entered above the `tabular` command. In a `figure` environment, the caption should be entered following any `includegraphics` or other figure content commands. Refer to the source of this document for examples.

For nicer looking tables, it is recommended that the paper author utilize the `booktabs` LaTeXpackage. The example table in the source of this paper demonstrates the slight syntax differences required for this package.

3.3 References

This document class utilizes functionality of the `natbib` package to simplify reference management. Multiple simultaneous citations should be combined into one `cite` command, as in `\cite{allard2009,beranek2006,biot1956}`.[1–3] This will cause the citations to be compressed if possible, such that a range is specified.

Ensure that the file `jasanum.bst` remains in the same folder as the LaTeXsource. It is used internally by the document class to format references as they appear in JASA.

3.4 Equations

Equations are entered using the standard `equation` environment, such as

$$\frac{1}{2}e^{i\pi} - 4\gamma^3, \tag{1}$$

where π and γ are dummy variables.

4 REFERENCES

1. J. F. Allard and N. Atalla, *Propagation of Sound in Porous Media: Modelling Sound Absorbing Materials*, second edition (John Wiley & Sons, Ltd) (2009).

2. L. L. Beranek, "Criteria for noise in buildings and communities", in *Noise and Vibration Control Engineering–Principles and Applications*, edited by L. L. Beranek and I. L. Ver, second edition, chapter 20 (John Wiley & Sons, Inc., New York) (2006).

3. M. A. Biot, "Theory of propagation of elastic waves in a fluid-saturated porous solid. 1. Low-frequency range", J. Acoust. Soc. Am. **28**, 168–178 (1956).

Table 1 – Example table. Borrowed and slightly modified from the official paper guidelines.

Layer	1	2	3
Material	anechoic	decoupling	steel
Thickness (m)	0.04	0.01	0.01
Loss Factor	0.2	0.1	0.01

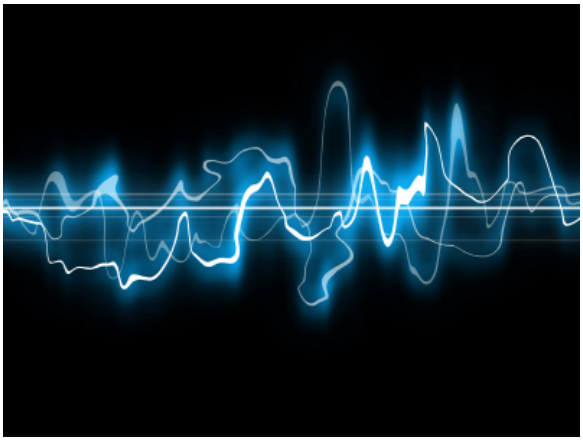

Fig. 1 – Example figure. This figure has a long caption, which should demonstrate how it wraps around if necessary. Just to be certain, let's put one more sentence in the figure caption. And one more, just to be extra sure for good measure.