INSTRUCTIONS TO AUTHORS FOR THE PREPARATION OF PAPERS FOR THE PROCEEDINGS OF THE 25TH INTERNATIONAL LASER RADAR CONFERENCE

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ABSTRACT

The Proceedings for the 25th ILRC will be published as a CD for distribution to conference registrants. A full paper copy of the proceedings will be available for $100, payable at the time of registration. Authors should submit the papers electronically in PDF portable document format only by using the abstract submission system at the ILRC25 website.

The remainder of this document consists of guidelines for preparing the electronic copy of paper submissions.

Authors may choose to manually replicate this format or they may enter text/images/equations etc. into this template to generate the formatted paper. In any case, each submission should resemble these instruction sheets in format and style when completed. The abstract here should be the same as that submitted to the conference website.

This LaTeX class enables authors to generate a document with the required format by editing this example LaTeX file. The only non-standard feature is a method for entering author and affiliation names. BIBTeX support is provided as a bibliography style file for the publicly available package `ilrc22bib`.

1. GENERAL SPECIFICATIONS

All papers should be in English. Papers must be prepared in double-column format

The submissions may be no longer than 4 pages in length with a file size no greater than 3 MB.

Do not include page headers or footers in the document. Do not include page numbers.

2. PAGE LAYOUT

Paper format should be U.S. letter size (8.5x11). Columns should be 225 point (3.125 or 8 cm) width with 18 point (0.25 or 0.51 cm) separation.

All margins (top, bottom, left and right) should be 72 points = 1 = 2.54 cm.

Fonts

- Text: Times New Roman
- Variable: Times New Roman

For the electronic submission, please ensure that only Type 1 Fonts are used and embedded in the final PDF file.

3. TITLE AND AUTHOR AFFILIATION

Each author name should be entered with an `\author` command. Give the affiliation with the `\affil` command after all authors of the same affiliation. They will then be listed with a common footnote number.

```
\author{A. B. Alphabet}
\author{X. Z. Jones}
\affil{Park Place, CA USA}
\author{A. Nother}
\affil{Home Sweet Home}
```

produces

A. B. Alphabet[1], X. Z. Jones[1], A. Nother[2]
[1]*Park Place, CA USA*
[2]*Home Sweet Home*

4. STRUCTURE OF THE DOCUMENT

Except for the aforementioned features, the `ilrc25v1` class is identical to the standard `article` class, as far as input is concerned. The document should be organized as follows.

```
\documentclass[letterpaper,twocolumn]{ilrc25v1}
% Any extra packages
\usepackage{times,graphicx,...}
% Title and authors
\title{Title text}
\author{First Author}...
\affil{First affiliation}
...
% Start of body
\begin{document}
\maketitle
% Abstract
\begin{abstract}
Text of abstract
\end{abstract}
% Main text
\section{Heading}
Text
\subsection{Sub-heading}
Text
\section*{Acknowledgments}
Acknowledgment text
% Bibliography (See Section 7)
% Termination
\end{document}
```

5. EQUATIONS

Displayed equations are produced using the `\begin{equation}` and `\end{equation}` commands (see Equation 1). These commands produce equations which are automatically numbered sequentially throughout your paper. Equations which should appear together can be formatted using `\begin{eqnarray}` and `\end{eqnarray}` as for Equations 2 and 3:

$$P_r = \int_0^\infty \frac{A_{\text{eff}} \beta T^2}{R^2} P_T \left(\lambda, t - \frac{2R}{c} \right) dr \qquad (1)$$

$$
\begin{aligned}
z &= x + y & (2)\\
y &= z - x & (3)
\end{aligned}
$$

6. FIGURES AND TABLES

Figures and tables are inserted with the normal LaTeX environments `figure` and `table`. They are numbered automatically and one refers to the numbers with the `\label` and `\ref` system. Figure captions should be below the figures. Table captions should be above the tables.

Responsibility for the inclusion of good quality figures (black and white or color) resides with each author. Color images will appear as submitted in the CD version of the proceedings but will be printed as black and white in the optional full proceedings.

Figure 1: Sample figure showing how an encapsulated PostScript graphic may be included. This example is for a single column figure.

The `figure` environment is used to enter a single column figure such as Figure 1, while `figure*` is for double column figures.

One can then refer to this figure with `Figure~\ref{fig:single}`, producing "Figure 1".

The `\includegraphics` command is made available with the `graphicx` package and allows the importation of graphic files. For PostScript output (with the `dvips` program) these graphics must adhere to the *encapsulated* PostScript standard. Users familiar with the `\epsfig` available with the `epsfig` package, or with pdfTeX, may choose to use one of these packages instead.

Tables are placed and numbered and referred to with the `table` and `table*` environments. The contents of the table are normally entered with the `tabular` or `tabbing` environments. The `\caption` now comes at the top of the table, before the table contents.

7. REFERENCES

Citations to bibliographic references are to be of the parenthetical style.

The citations are parenthetical [1] or [1; 2].

The list of references is placed at the end of the article, as

```
\begin{thebibliography}{1}

\bibitem{Author96}
Author1, A. and Author2, B.
\newblock 1996: Journal Article.
\newblock {\em Journal Name}, \bf{47}\rm,
pp. 25-30.

\bibitem{Author73}
Author3, A. and Author2, B.
\newblock {\em Book Title}.
\newblock Paper Press, London, U.K., 1973.

\end{thebibliography}
```

Note the empty braces after `\bibitem` and after `\begin{thebibliography}`

The format of the reference list is that used by *Astronomy and Astrophysics* and other astronomy journals.

7.1. Submission of Final Manuscripts

Please see the conference website for information on how and when to submit your paper.

ACKNOWLEDGMENTS

The section containing acknowledgments should use the `\section*` form, as shown, to prevent it from being numbered.

REFERENCES

1. Author1, A. and Author2, B. 1996: Journal Article. *Journal Name*, **47**, pp. 25-30.
2. Author3, A. and Author2, B. *Book Title*. Paper Press, London, U.K., 1973.