

Formatting Instructions for Authors Using L^AT_EX

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Abstract

Type your abstract text here. All manuscripts must be accompanied by an abstract which briefly summarizes the reasons for the work, the methods, the main results and conclusions of the study. The optimal length is one paragraph (100-250 words). Since the abstract is indexed in many databases it should be self-contained without any undefined abbreviations or any cited references.

Key words: Type keywords (3 to 8 keywords) here.

Formatting Requirements in Brief

We need source and PDF files that can be used in a variety of ways and can be output on a variety of devices. AUAPAF imposes some requirements on your source and PDF files that must be followed. Most of these requirements are based on our efforts to standardize conference manuscript properties and layout. All papers submitted to AUAPAF for publication will be recompiled for standardization purposes. Consequently, every paper submission must comply with the following requirements:

- Your .tex file must compile in PDFL^AT_EX — **no .ps or .eps figure files.**
- All fonts must be embedded in the PDF file — **this includes your figures.**
- Modifications to the style file, whether directly or via commands in your document may not be made, most especially when made in an effort to avoid extra page charges or make your paper fit in a specific number of pages.
- No type 3 fonts may be used (even in illustrations).
- You may not alter the spacing above and below captions, figures, headings, and subheadings.
- You may not alter the font sizes of text elements, footnotes, heading elements, captions, or title information (for references and tables and mathematics, please see the limited exceptions provided herein).
- You may not alter the line spacing of text.
- Your title must follow Title Case capitalization rules (not sentence case).
- Your .tex file must include completed metadata to pass-through to the PDF (see PDFINFO below)
- L^AT_EX documents must use the Times or Nimbus font package (do not use Computer Modern for the text of your paper).
- No L^AT_EX 209 documents may be used or submitted.
- Your source must not require use of fonts for non-Roman alphabets within the text itself. If your paper includes symbols in other languages (such as, but not limited to, Arabic, Chinese, Hebrew, Japanese, Thai, Russian and other Cyrillic languages), you must restrict their use to bit-mapped figures.
- Fonts that require non-English language support (CID and Identity-H) must be converted to outlines or 300 dpi bitmap or removed from the document (even if they are in a graphics file embedded in the document).
- Two-column format in AUAPAF style is required for all papers.
- The paper size for final submission must be US letter without exception.
- The source file must exactly match the PDF.
- The document margins must be as specified in the formatting instructions.
- The number of pages and the file size must be as specified for your event.
- No document may be password protected.
- Neither the PDFs nor the source may contain any embedded links or bookmarks.
- Your source and PDF must not have any page numbers, footers, or headers.
- Your PDF must be compatible with Acrobat 5 or higher.
- Your L^AT_EX source file (excluding references) must consist of a **single** file (use of the “input” command is not allowed).
- Your graphics must be sized appropriately outside of L^AT_EX (do not use the “clip” command).

If you do not follow the above requirements, your submission will be subject to reformatting and special handling fees that can easily exceed the extra page fee.

Using L^AT_EX to Format Your Paper

The latest version of the AUAPAF style file is available on AUAPAF's website. Download this file and place it in the T_EX search path. Placing it in the same directory as the paper should also work. You must download the latest version of the complete author kit so that you will have the latest instruction set and style file.

Document Preamble

In the L^AT_EX source for your paper, you **must** place the following lines as shown in the example in this subsection. This command set-up is for three authors. Add or subtract author and address lines as necessary, and uncomment the portions that apply to you. In most instances, this is all you need to do to format your paper in the Times font. The helvet package will cause Helvetica to be used for sans serif. These files are part of the PSNFSS2e package, which is freely available from many Internet sites (and is often part of a standard installation).

Leave the setcounter for section number depth commented out and set at 0 unless you want to add section numbers to your paper. If you do add section numbers, you must uncomment this line and change the number to 1 (for section numbers), or 2 (for section and subsection numbers). The style file will not work properly with numbering of subsections, so do not use a number higher than 2.

If (and only if) your author title information will not fit within the specified height allowed, put \setlength \titlebox2.5in in your preamble. Increase the height until the height error disappears from your log. You may not use the \setlength command elsewhere in your paper, and it may not be used to reduce the height of the author-title box.

The Following Must Appear in Your Preamble

```
\documentclass[letterpaper]{article}
%\usepackage{AUAPAF}
\usepackage{times}
\usepackage{helvet}
\usepackage{courier}
\usepackage{url}
\usepackage{graphicx}
\frenchspacing
% Add additional packages here. The following
% packages may NOT be used (this list
% is not exhaustive:
% authblk, caption, CJK, float, fullpage, geometry,
% hyperref, layout, nameref, natbib, savetrees,
% setspace, titlesec, tocbibind, ulem
%
%US Lettersize Paper Is Required
\setlength{pdfpagewidth}{8.5in}
\setlength{pdfpageheight}{11in}\
%
%
% PDFINFO
% You are required to complete the following
% for pass-through to the PDF.
% No LaTeX commands of any kind may be
% entered. The parentheses and spaces
% are an integral part of the
% pdfinfo script and must not be removed.
```

```
%
\pdfinfo{
/Title (Input Your Paper Title Here)
/Author (John Doe, Jane Doe)
/Keywords (Input your keywords in this optional area)
}
%
%Section Numbers
% Uncomment if you want to use section numbers
% and change the 0 to a 1 or 2
% \setcounter{secnumdepth}{0}

% Title and Author Information Must Immediately Follow
% the pdfinfo within the preamble
%
\title{Title}\
\author{\{Author 1 \ and Author 2\}
Address line\
Address line\
\ And\
Author 3\
Address line\
Address line
}\
%
```

Preparing Your Paper

After the preamble above, you should prepare your paper as follows:

```
%
\begin{document}
\maketitle
\begin{abstract}
%...
\end{abstract}
```

The Following Must Conclude Your Document

```
%References and End of Paper
%These lines must be placed at the end of your paper
\bibliography{Bibliography-File}
\bibliographystyle{AUAPAF}
\end{document}
```

Inserting Document Metadata with L^AT_EX

PDF files contain document summary information that enables us to create an Acrobat index (pdx) file, and also allows search engines to locate and present your paper more accurately. *Document metadata for author and title are REQUIRED.* You may not apply any script or macro to implementation of the title, author, and metadata information in your paper.

Important: Do not include *any* L^AT_EX code or nonascii characters (including accented characters) in the metadata. The data in the metadata must be completely plain ascii. It may not include slashes, accents, linebreaks, unicode, or any L^AT_EX commands. Type the title exactly as it appears on the paper (minus all formatting). Input the author names in the order in which they appear on the paper (minus all accents), separating each author by a comma. You may also include keywords in the Keywords field.

```
\begin{document}\
```

```

\maketitle\\
...\\
\bibliography{Bibliography-File}\\
\bibliographystyle{AUAPAF}\\
\end{document}\\

```

Illegal Commands

There are a number of packages, commands, scripts, and macros that are incompatible with AUAPAF.sty. The common ones are provided later on in this document (See some Common Errors to Avoid). Generally, if a command, package, script, or macro alters floats, margins, fonts, sizing, linespacing, or the presentation of the references and citations, it is unacceptable. The following commands are some of the more common ones that may not be used in your paper (this list is not exhaustive — there are others):

- `\renewcommand` (in almost all instances)
- `\baselinestretch`
- `\setlength` (except for `titlebox`)
- `\input`
- `\vspace` or `vskip` (when used before or after a section or subsection or figure or table)
- `\addtolength`
- `\columnsep`
- `\top margin` (or `text height` or `addsidemargin` or even `side margin`)
- `trim` or `clip` (used to crop figures)
- any command that globally alters floats, space above and below figures and tables

Removing Certain Commands in Your Final Paper

For your final camera ready copy, you must not use any page break commands, including, but not limited to:

- `\newpage`
- `\break`
- `\clearpage`
- `\pagebreak`

(References must flow directly after the text without breaks.) Note that this may *not* the case when submitting a paper for review. Some conferences require references to be on a separate page during the review process. However, we do not require this condition for the final paper. You must also be certain that your `\pdfinfo` author field includes all your authors. The latter step is often forgotten.

Paper Size, Margins, and Column Width

Papers must be formatted to print in two-column format on 8.5 x 11 inch US letter-sized paper. The margins must be exactly as follows:

- Top margin: .75 inches
- Left margin: .75 inches
- Right margin: .75 inches

- Bottom margin: 1.25 inches

The default paper size in most installations of L^AT_EX is A4. However, because we require that your electronic paper be formatted in US letter size, the preamble we have provided includes commands that alter the default to US letter size. Please note that using any other package to alter page size (such as, but not limited to the Geometry package) will result in your final paper being rejected.

Column Width and Margins. To ensure maximum readability, your paper must include two columns. Each column should be 3.3 inches wide (slightly more than 3.25 inches), with a .375 inch (.952 cm) gutter of white space between the two columns. The AUAPAF.sty file will automatically create these columns for you.

Overlength Papers

If your paper is too long, turn on `\frenchspacing`, which will reduce the space after periods. Next, shrink the size of your graphics. Use `\centering` instead of `\begin{center}` in your figure environment. For mathematical environments, you may reduce fontsize **but not below 6.5 point**. You may also alter the size of your bibliography by inserting `\fontsize{9.5pt}{10.5pt}` `\selectfont` right before the bibliography (the minimum size is `\fontsize{9.0pt}{10.0pt}`).

Commands that alter page layout are forbidden. These include `\columnsep`, `\topmargin`, `\topskip`, `\textheight`, `\textwidth`, `\oddsidemargin`, and `\evensidemargin` (this list is not exhaustive). If you alter page layout, you will be required to pay the page fee *plus* a reformatting fee. Other commands that are questionable and may cause your paper to be rejected include `\parindent`, and `\parskip`. Commands that alter the space between sections are forbidden. The title sec package is not allowed. Regardless of the above, if your paper is obviously “squeezed” it is not going to be accepted. Options for reducing the length of a paper include reducing the size of your graphics, cutting text, or paying the extra page charge (if it is offered).

Figures

Your paper must compile in PDF_LT_EX. Consequently, all your figures must be .jpg, .png, or .pdf. You may not use the .gif (the resolution is too low), .ps, or .eps file format for your figures.

When you include your figures, you must crop them **outside** of L^AT_EX. The command `\includegraphics*[clip=true, viewport 0 0 10 10]...` might result in a PDF that looks great, but the image is **not really cropped**. The full image can reappear (and obscure whatever it is overlapping) when page numbers are applied or color space is standardized.

Type Font and Size

Your paper must be formatted in Times Roman or Nimbus. We will not accept papers formatted using Computer Modern or Palatino or some other font as the text or heading typeface. Sans serif, when used, should be Courier. Use Symbol or Lucida or Computer Modern for *mathematics only*.

Do not use type 3 fonts for any portion of your paper, including graphics. Type 3 bitmapped fonts are designed

for fixed resolution printers. Most print at 300 dpi even if the printer resolution is 1200 dpi or higher. They also often cause high resolution imagesetter devices and our PDF indexing software to crash. Consequently, we will not accept electronic files containing obsolete type 3 fonts. Files containing those fonts (even in graphics) will be rejected.

Fortunately, there are effective workarounds that will prevent your file from embedding type 3 bitmapped fonts. The easiest workaround is to use the required times, helvet, and courier packages with L^AT_EX 2_ε. (Note that papers formatted in this way will still use Computer Modern for the mathematics. To make the math look good, you'll either have to use Symbol or Lucida, or you will need to install type 1 Computer Modern fonts — for more on these fonts, see the section “Obtaining Type 1 Computer Modern.”)

If you are unsure if your paper contains type 3 fonts, view the PDF in Acrobat Reader. The Properties/Fonts window will display the font name, font type, and encoding properties of all the fonts in the document. If you are unsure if your graphics contain type 3 fonts (and they are PostScript or encapsulated PostScript documents), create PDF versions of them, and consult the properties window in Acrobat Reader.

The default size for your type should be ten-point with twelve-point leading (line spacing). Start all pages (except the first) directly under the top margin. (See the next section for instructions on formatting the title page.) Indent ten points when beginning a new paragraph, unless the paragraph begins directly below a heading or subheading.

Obtaining Type 1 Computer Modern for L^AT_EX. If you use Computer Modern for the mathematics in your paper (you cannot use it for the text) you may need to download type 1 Computer fonts. They are available without charge from the American Mathematical Society: <http://www.ams.org/tex/type1-fonts.html>.

Title and Authors

Your title must appear in mixed case (nouns, pronouns, and verbs are capitalized) near the top of the first page, centered over both columns in sixteen-point bold type (twenty-four point leading). This style is called “mixed case.” Author’s names should appear below the title of the paper, centered in twelve-point type (with fifteen point leading), along with affiliation(s) and complete address(es) (including electronic mail address if available) in nine-point roman type (the twelve point leading). (If the title is long, or you have many authors, you may reduce the specified point sizes by up to two points.) You should begin the two-column format when you come to the abstract.

Formatting Author Information Author information can be set in a number of different styles, depending on the number of authors and the number of affiliations you need to display. In formatting your author information, however, you may not use a table nor may you employ the `\authorblk.sty` package. For several authors from the same institution, use `\and`:

```
\author{Author 1 \and ... \and Author n}
Address line \ \ ... \ \ Address line}
```

If the names do not fit well on one line use:

```
\author{Author 1} ... \ \
{\bf \Large Author ... Author}\ \
Address line \ \ ... \ \ Address line
}
```

For authors from different institutions, use `\And`:

```
\author{Author 1\ \ Address line \ \ ... \ \ Address line
\And ... \And Author n\ \
Address line\ \ ... \ \ Address line}
```

To start a separate “row” of authors, use `\AND`:

If the title and author information does not fit in the area allocated, place `\setlength\titlebox{height}` after the `\documentclass` line where `{height}` is 2.5in or greater.

Formatting Author Information — Alternative Method

If your paper has a large number of authors from different institutions, you may use the following alternative method for displaying the author information.

```
\author{AuthorOne},\textsuperscript{1}
\author{AuthorTwo},\textsuperscript{2}
\author{AuthorThree},\textsuperscript{3}
\author{AuthorFour},\textsuperscript{4}
\author{AuthorFive}, \textsuperscript{5}\ \
\textsuperscript{1}AffiliationOne\ \
\textsuperscript{2}AffiliationTwo\ \
\textsuperscript{3}AffiliationThree\ \
\textsuperscript{4}AffiliationFour\ \
\textsuperscript{5}AffiliationFive\ \
\{email, email\}@affiliation.com,
email@affiliation.com,
email@affiliation.com,
email@affiliation.com
```

Abstract

Follow the example commands in this document for creation of your abstract. Further indentation is not required. Do not include references in your abstract!

Page Numbers

Do not **ever** print any page numbers on your paper.

Text

The main body of the paper must be formatted in ten-point with twelve-point leading (line spacing).

Citations

Citations within the text should include the author’s last name and year, for example (Newell 1980). Append lower-case letters to the year in cases of ambiguity. Multiple authors should be treated as follows: (Feigenbaum and Englemore 1988) or (Ford, Hayes, and Glymour 1992). In the case of four or more authors, list only the first author, followed by et al. (Ford et al. 1997).

Extracts

Long quotations and extracts should be indented ten points from the left and right margins.

This is an example of an extract or quotation. Note the indent on both sides. Quotation marks are not necessary if you offset the text in a block like this, and properly identify and cite the quotation in the text.

Footnotes

Avoid footnotes as much as possible; they interrupt the reading of the text. When essential, they should be consecutively numbered throughout with superscript Arabic numbers. Footnotes should appear at the bottom of the page, separated from the text by a blank line space and a thin, half-point rule.

Headings and Sections

When necessary, headings should be used to separate major sections of your paper. Remember, you are writing a short paper, not a lengthy book! An overabundance of headings will tend to make your paper look more like an outline than a paper. The AUAPAF.sty package will create headings for you. Do not alter their size nor their spacing above or below.

Section Numbers The use of section numbers in papers is optional. To use section numbers in \LaTeX , uncomment the setcounter line in your document preamble and change the 0 to a 1 or 2. Section numbers should not be used in short poster papers.

Section Headings. Sections should be arranged and headed as follows:

Acknowledgments. The acknowledgments section, if included, appears after the main body of text and is headed "Acknowledgments." This section includes acknowledgments of help from associates and colleagues, credits to sponsoring agencies, financial support, and permission to publish. Please acknowledge other contributors, grant support, and so forth, in this section. Do not put acknowledgments in a footnote on the first page. If your grant agency requires acknowledgment of the grant on page 1, limit the footnote to the required statement, and put the remaining acknowledgments at the back. Please try to limit acknowledgments to no more than three sentences.

Appendices. Any appendices follow the acknowledgments, if included, or after the main body of text if no acknowledgments appear.

References The references section should be labeled "References" and should appear at the very end of the paper (don't end the paper with references, and then put a figure by itself on the last page). A sample list of references is given later on in these instructions. Please use a consistent format for references. Poorly prepared or sloppy references reflect badly on the quality of your paper and your research. Please prepare complete and accurate citations.

Illustrations and Figures

Figures, drawings, tables, and photographs should be placed throughout the paper near the place where they are first discussed. Do not group them together at the end of the paper. If placed at the top or bottom of the paper, illustrations

may run across both columns. Figures must not invade the top, bottom, or side margin areas. Figures must be inserted using the `\usepackage{graphicx}`. Number figures sequentially, for example, figure 1, and so on.

The illustration number and caption should appear under the illustration. Labels, and other text with the illustration must be at least nine-point type.

If your paper includes illustrations that are not compatible with PDF \TeX (such as .eps or .ps documents), you will need to convert them. The epstopdf package will usually work for eps files. You will need to convert your ps files to PDF however.

Low-Resolution Bitmaps. You may not use low-resolution (such as 72 dpi) screen-dumps and GIF files—these files contain so few pixels that they are always blurry, and illegible when printed. If they are color, they will become an indecipherable mess when converted to black and white. This is always the case with gif files, which should never be used. The resolution of screen dumps can be increased by reducing the print size of the original file while retaining the same number of pixels. You can also enlarge files by manipulating them in software such as PhotoShop. Your figures should be 300 dpi when incorporated into your document.

\LaTeX Overflow. \LaTeX users please beware: \LaTeX will sometimes put portions of the figure or table or an equation in the margin. If this happens, you need to scale the figure or table down, or reformat the equation. **Check your log file!** You must fix any overflow into the margin (that means no overfull boxes in \LaTeX). If you don't, the overflow text will simply be eliminated. **Nothing is permitted to intrude into the margin or gutter.**

Using Color. Use of color is restricted to figures only. It may never be used for any portion of the text of your paper. The archival version of your paper will be printed in black and white and grayscale. Consequently, because conversion to grayscale can cause undesirable effects (red changes to black, yellow can disappear, and so forth), we strongly suggest you avoid placing color figures in your document. If you do include color figures, you must (1) use the CMYK (not RGB) colorspace and (2) be mindful of readers who may happen to have a color deficiency. Your paper must be decipherable without using color for distinction.

Drawings. We suggest you use computer drawing software (such as Adobe Illustrator or, (if unavoidable), the drawing tools in Microsoft Word) to create your illustrations. Do not use Microsoft Publisher. These illustrations will look best if all line widths are uniform (half- to two-point in size), and you do not create labels over shaded areas. Shading should be 133 lines per inch if possible. Use Times Roman or Helvetica for all figure call-outs. **Do not use hairline width lines** — be sure that the stroke width of all lines is at least .5 pt. Zero point lines will print on a laser printer, but will completely disappear on the high-resolution devices used by our printers.

Photographs and Images. Photographs and other images should be in grayscale (color photographs will not reproduce well; for example, red tones will reproduce as black, yellow may turn to white, and so forth) and set to a minimum of 300 dpi. Do not prescreen images.

Resizing Graphics. Resize your graphics **before** you include them with LaTeX. You may **not** use trim or clip options as part of your `\includegraphics` command. Resize the media box of your PDF using a graphics program instead.

Fonts in Your Illustrations You must embed all fonts in your graphics before including them in your LaTeX document.

References

The AUAPAF style includes a set of definitions for use in formatting references with BibTeX. These definitions make the bibliography style fairly close to the one specified below. To use these definitions, you also need the BibTeX style file “AUAPAF.bst.” Then, at the end of your paper but before `\enddocument`, you need to put the following lines:

```
\bibliographystyle{AUAPAF}
\bibliography{bibfile1,bibfile2,...}
```

Please note that you are required to use `\bibliographystyle{AUAPAF}` for your references. You may not use named, plain, apalike, acm, ieeetr, siam, chicago, or any other style. Use of natbib is also not acceptable.

The list of files in the `\bibliography` command should be the names of your BibTeX source files (that is, the .bib files referenced in your paper).

The following commands are available for your use in citing references:

`\cite`: Cites the given reference(s) with a full citation. This appears as “(Author Year)” for one reference, or “(Author Year; Author Year)” for multiple references.

`\shortcite`: Cites the given reference(s) with just the year. This appears as “(Year)” for one reference, or “(Year; Year)” for multiple references.

`\citeauthor`: Cites the given reference(s) with just the author name(s) and no parentheses.

`\citeyear`: Cites the given reference(s) with just the date(s) and no parentheses.

Warning: The AUAPAF.sty file is incompatible with the hyperref and natbib packages. If you use either, your references will be garbled and your paper will not be published.

Formatted bibliographies should look like the following examples.

Book with Multiple Authors

Engelmore, R., and Morgan, A. eds. 1986. *Blackboard Systems*. Reading, Mass.: Addison-Wesley.

Journal Article

Robinson, A. L. 1980a. New Ways to Make Microcircuits Smaller. *Science* 208: 1019–1026.

Magazine Article

Hasling, D. W.; Clancey, W. J.; and Rennels, G. R. 1983.

Strategic Explanations in Consultation. *The International Journal of Man-Machine Studies* 20(1): 3–19.

Proceedings Paper Published by a Society

Clancey, W. J. 1983. Communication, Simulation, and Intelligent Agents: Implications of Personal Intelligent Machines for Medical Education. In *Proceedings of the Eighth International Joint Conference on Artificial Intelligence*, 556–560. Menlo Park, Calif.: International Joint Conferences on Artificial Intelligence, Inc.

Proceedings Paper Published by a Press or Publisher

Clancey, W. J. 1984. Classification Problem Solving. In *Proceedings of the Fourth National Conference on Artificial Intelligence*, 49–54. Menlo Park, Calif.: AAAI Press.

University Technical Report

Rice, J. 1986. Poligon: A System for Parallel Problem Solving, Technical Report, KSL-86-19, Dept. of Computer Science, Stanford Univ.

Dissertation or Thesis

Clancey, W. J. 1979. Transfer of Rule-Based Expertise through a Tutorial Dialogue. Ph.D. diss., Dept. of Computer Science, Stanford Univ., Stanford, Calif.

Forthcoming Publication

Clancey, W. J. 1986. The Engineering of Qualitative Models. Forthcoming.

Some Common Errors to Avoid

The following list includes a number of the most common mistakes made by authors when formatting their paper and the responses that have been sent to the author regarding them:

PDFINFO

The following required elements are missing from the preamble to your LaTeX source (or are malformed):

```
\pdfinfo{
/Title ()
/Author ()
}
```

A4

The PDF you submitted is A4. All PDFs must be US Letter sized. Submissions that do not conform to this requirement cannot be published.

ABOVEDISPLAY

You’ve used `\abovedisplay`, `\belowdisplay`, `\abovecaption`, and `\belowcaption` to alter AUAPAF.sty. These commands are illegal and must be stripped from your source.

ABSTRACT INDENTATION

Remove the `\begin{quote}` and `\endquote` around your abstract. It might buy you some space.

ASPECT RATIO OF FIGURES CHANGED

You may scale the height OR the width of your figures, but not both.

AUTHOR LIST MALFORMED (AUTHBLK)

The authblk.sty package cannot be used.

AUTHOR LIST MALFORMED

You did not use the built-in commands in AUAPAF.sty to format your authors. You need to follow the formatting instructions for authors using LaTeX.

AUTHOR LIST TOO WIDE

Your author list goes beyond the accepted page width. Please break the line and insert `{\bf \Large}` around the authors on the second line. The author and title information must be presented as specified in the author instructions.

AUTHOR AFFILIATIONS TOO WIDE

Your author's affiliations go beyond the accepted page width. Please break the line.

BASELINESTRETCH

You've used `\baselinestretch` — a command specifically prohibited in the author formatting instructions. Please remove it.

CAPTION STYLE ALTERED (CAPTION.STY)

You've altered the font and style of captions. Captions must be rendered as specified by `AUAPAF.sty`. They cannot be altered by changing the font, fontsize, or position, whether manually or by using `caption.sty`. Such revisions must be removed.

CJK

The CJK package cannot be used. Restrict use of non-roman alphabets to figures and tables, which must be compiled and converted to PDF, then imported as a figure into LaTeX.

CLIP

You may not use the `clip` to import only a portion of a graphic. It only places a fragile layer that screens the remainder of the figure from view, but imports the entire figure into the PDF. The layer is fragile, and often fails when flattened. The full content of all figures must be imported. In addition and for the same reason, you may not use `vspace` to reposition a figure. All figures must be completely cropped and adjusted outside of LaTeX before being imported.

COLUMN WIDTH

Unfortunately, your paper contains material that exceeds the column width. Please review your LaTeX log file and correct all the overfull boxes.

COMPILE ERRORS

Unfortunately, the source file you submitted will not compile. We are getting undefined control sequence errors. There are either missing packages in your preamble, or missing definitions, or perhaps you are using an old or modified style. For your information, we are using a complete 2017 install of TeXLive, complete with all updates as of September 1. The packages listed in your preamble are all installed on all our systems. If you are using a style file that is not in that package, you will need to include it. Whatever the reason, we need you to correct your LaTeX and resubmit your source files. (If your paper contains graphics, be certain that the fonts are embedded.)

EPSF / EPSFIG / PSFIG

The `epsf`, `epsfig`, and `psfig` packages are obsolete. Use the `graphicx` package instead.

EULER

The `euler` package is obsolete.

FIGURES HAVE BEEN CROPPED WITH LATEX

You have used `trim` and `clip` commands in your `\includegraphics` statement. Please crop your graphics appropriately using a standard graphics program (not Preview). The masks created by LaTeX are fragile, and disappear when PDFs are combined together. This will result

in text in your paper becoming obscured by the fully restored graphic you have imported.

FIGURES MISSING

Unfortunately, the source file you submitted are incomplete. You did not include the graphics files. As a result, your paper will not compile. You must upload a new compressed archive that contains all the files required to compile your paper on a different computer and network. (If your paper contains graphics, be certain that the fonts are embedded.)

FLOATS ALTERED

You've altered floats. The `\renewcommand` cannot be used. The float package cannot be used. Please remove them.

FOOTNOTE STYLE ALTERED

Footnotes must follow the built-in style.

FONTS (EMBEDDING)

Unfortunately, one or more of the fonts in your paper (most likely the figures) were not embedded in your PDF. This can cause hidden and silent changes to characters once the paper is published, especially when it is combined with other PDFs in the proceedings. If you need to know how to verify the fonts in your figures, please search for "font embedding pdf." You will find a number of methods, one or more of which may be suitable for your operating system and available software. We recommend using Acrobat Reader to check document properties in your PDF, as it is standards-based software. Consequently, you must embed all the fonts in all your graphics files. If you do not know how to do this, change them to `png` or `jpg`.

FONTS (LANGUAGE)

We cannot accept files that require custom installation of non-roman font sets, including CJK and arabic.

FONTS (TYPE 3)

Unfortunately, one or more of the fonts in your paper (most likely the figures) are type 3 PDF. If in your figures, you must either change them to type 1 embedded fonts or change them to `png` or `jpg`. If the problem is in your text, you will need to switch the package you are using that is calling type 3 fonts to one that uses type 1 fonts. (Blackboard fonts are often the problem in these cases.)

FULL PAGE USED

You used `\usepackage{full page}`, which is a package specifically disallowed. You must remove it.

GEOMETRY USED

You used `\usepackage{geometry}`, which is a package specifically disallowed. You must remove it.

GRAPHICS

The `graphics` package is obsolete. Use the `graphicx` package instead.

HYPERRREF

The `hyperref` package may never be used. If you are using it for URLs, use `url.sty` instead.

INCOMPATIBLE SCRIPT OR MACRO

You've used an incompatible script (such as `\maltepaper.sty`) to automate completion of the title and author information on your paper and in the metadata. Such scripts impede correction of your paper and often are incompatible with Acrobat (producing corrupted metadata fields). Scripts and macros cannot be used to automate population of metadata, author or title information, or insertion of figures or tables.

LAYOUT

The layout package cannot be used. Use url.sty instead.

LINESPREAD

`\linespread` alters AUAPAF.sty. This command (along with `\baselineshift` and others that alter AUAPAF.sty) cannot be used. You must remove it.

LMODERN

You used `\usepackage{lmodern}`, which is a package specifically disallowed. You must remove it.

LAYOUT USED

You used `\usepackage{layout}`, which is a package specifically disallowed. You must remove it.

MBOX USED FOR FIGURES

You cannot use mboxes to insert figures. They circumvent the spacing requirements for AUAPAF.sty. Use subfigures instead.

MULTIPLE TEX FILES

You did not submit a single .tex file as specified in the instructions. We require this to avoid production errors and to facilitate debugging. The `\input` command is not allowed in your source. Please combine all your tex files into a single .tex file (references can remain in .bbl or .bib file).

NAMEREF

The nameref package cannot be used.

NATBIB

Natbib is incompatible with AUAPAF.sty and AUAPAF.bst. It must be removed. See References Malformed below.

PAGE BREAKS

You've included pagebreaks in your final submission. (They are not required before your references accepted final papers and must be removed).

PAGE NUMBERS

Your paper contains page numbers. You need to remove them.

PDFLaTeX NOT USED

Your source will not compile in PDFLaTeX. You must convert your eps graphics to PDF.

PDFCOMMENT

You used pdfcomment, which is a disallowed package. You must remove it.

PSTRICKS

You used pstricks, which is a package specifically disallowed. You must remove it. (Use Tikz instead). If you are simply adding labels, use pinlabel.sty.

REFERENCES ARE INDENTED

You've indented your references. Remove the `\begin{quote}` and `\endquote`

REFERENCES MALFORMED

You've used natbib, which is incompatible with AUAPAF.bst. As an alternate to this, try this workaround:

```
% \usepackage{natbib}
\newcommand{\citet}[1]
{\citeauthor{#1}~\shortcite{#1}}
\newcommand{\citep}{\cite}
\newcommand{\citealp}[1]
{\citeauthor{#1}~\citeyear{#1}}
```

REFERENCES TOO SMALL

Your references are too small. They cannot be any smaller than 9 pt (`\small`). Please correct this.

SAVETREES

The savetrees may not be used.

SETLENGTH

You've used `\setlength` to alter textfloats. This command is specifically disallowed. Please strip it from your source and recompile.

SETSPACE

The setspace package may not be used.

SPACE ABOVE, BELOW ELEMENTS ALTERED

You've adjusted the space above or below tables, figures, captions, floats, and/or section/subsection/subsubsections. These changes alter AUAPAF.sty and are not allowed. Please remove them and either edit your text or resize figures or both.

SOURCE FILES MISSING

Your compressed archive does not contain **ALL** your source files (a stand-alone archive containing all the files necessary to recompile your paper in LaTeX). Consequently, your LaTeX file will not compile. You must create another compressed archive in which you have included all the files necessary to compile your paper on a separate computer. We cannot publish your paper without these files.

SPACE ALTERED ABOVE, BELOW FLOATS AND SECTIONS

You've adjusted the space above or below tables, figures, captions, and/or section/subsection/subsubsections. These changes alter AUAPAF.sty and have resulted in a paper that is more difficult to read. Please remove them and either edit your text or resize figures or both.

STYLE FILE OF BIBLIOGRAPHY IS INCORRECT

You did not use AUAPAF.bst (you used named.bst instead). This is not an IJCAI conference. You need to recompile your bibliography using the correct style.

STYLE FILE IS INCORRECT

You did not use AUAPAF.sty. This style file is required. No other style file (including previous versions of AUAPAF.sty) may be used.

STYLE FILE NOT IN CTAN

All styles must be available in the CTAN archive. If they are custom, you need to remove them and put the contents of the custom style directly in your preamble so that our source checker will allow compilation of your file.

TIMES PACKAGE NOT USED

Your paper is not formatted using the Times package, either because it is missing completely from your preamble, or because you are using another package that is cancelling use of times. This package is required.

TITLESEC

The title sec package may not be used.

VSPACE USED

You've used negative vspace around section / subsections. These must be removed.

TIMES PACKAGE MISSING

You neglected to use `\usepackage{times}`. This font is required.

TITLE AND AUTHOR INFORMATION MALFORMED

You need to remove the formatting commands from your title and author information. The style for this information is governed by the conference style file. It cannot be altered.

TITLE BOX TOO SMALL

Your author-title-affiliation data exceeds the limit of the title box. To fix this, you need to increase the size of the title box. You can do this by placing `\setlength\titlebox{2.5in}` in your preamble. You may need to increase the measurement until the log file error goes away. (Please note: This command cannot be used elsewhere in the paper, and cannot be used to shrink the size of the title box.)

TITLE IN SENTENCE CASE

Your title is formatted in sentence case. Title Case (Mixed Case) is required. Please capitalize the initial letters of all words in your title except for conjunctions and prepositions. You need to do this in your source, in the `\pdfinfo` in your source, and on the submission website.

TITLE MALFORMED (TITLESEC)

You've used `titlesec.sty`, which alters the paper style. It must be removed.

TOCBIBIND

The `tocbibind` package may not be used.

ULEM

The `ulem` package may not be used.

TIENC

The `T1enc` package is obsolete. Use the CM Super Fonts package instead.

Producing Reliable PDF Documents with L^AT_EX

Generally speaking, PDF files are platform independent and accessible to everyone. When creating a paper for a proceedings or publication in which many PDF documents must be merged and then printed on high-resolution PostScript RIPs, several requirements must be met that are not normally of concern. Thus to ensure that your paper will look like it does when printed on your own machine, you must take several precautions:

- Use type 1 fonts (not type 3 fonts)
- Use only standard Times, Nimbus, and CMR font packages (not fonts like F3 or fonts with tildes in the names or fonts—other than Computer Modern—that are created for specific point sizes, like Times~19) or fonts with strange combinations of numbers and letters
- Embed all fonts when producing the PDF
- Do not use the [T1]fontenc package (install the CM super fonts package instead)

Creating Output Using PDFL^AT_EX Is Required

By using the PDFL^AT_EX program instead of straight L^AT_EX or T_EX, you will probably avoid the type 3 font problem altogether (unless you use a package that calls for metafont). PDFL^AT_EX enables you to create a PDF document directly from L^AT_EX source. The one requirement of this software is that all your graphics and images must be available in a format that PDFL^AT_EX understands (normally PDF, jpg, or png).

PDFL^AT_EX's default is to create documents with type 1 fonts. If you find that it is not doing so in your case, it is likely that one or more fonts are missing from your system or are not in a path that is known to PDFL^AT_EX.

dvipdf Script Scripts such as `dvipdf` which ostensibly bypass the Postscript intermediary should not be used since they generally do not instruct `dvips` to use the `config.pdf` file.

dvipdfm Do not use this dvi-PDF conversion package.

Ghostscript

L^AT_EX users should not use GhostScript to create their PDFs.

Graphics

If you are still finding type 3 fonts in your PDF file, look at your graphics! L^AT_EX users should check all their imported graphics files as well for font problems.

Proofreading Your PDF

Please check all the pages of your PDF file. Is the page size A4? Are there any type 3, Identity-H, or CID fonts? Are all the fonts embedded? Are there any areas where equations or figures run into the margins? Did you include all your figures? Did you follow mixed case capitalization rules for your title? Did you include a copyright notice? Do any of the pages scroll slowly (because the graphics draw slowly on the page)? Are URLs underlined and in color? You will need to fix these common errors before submitting your file.

L^AT_EX 209 Warning

If you use L^AT_EX 209 we will not be able to publish your paper. Convert your paper to L^AT_EX 2ε.

Acknowledgments

Thank you for reading these instructions carefully. We look forward to receiving your electronic files!