

# Appraisal in Human-Robot Collaboration

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## Abstract

Abstract Here...

## Introduction

Introduction Here...

## Affective Motivational Collaboration Theory

General Theory Here...

## Mental States

**Belief:**

**Motive:**

**Intention:**

**Goal:**

**Emotion Instance:**

## Appraisal Process

## Mental Graph

A graph illustration of mental state...

## What Files to Submit

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In the L<sup>A</sup>T<sub>E</sub>X 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, and the courier package will cause Courier to be used for the type-writer font. 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.

```
\documentclass[letterpaper]article
% Required Packages
\usepackage{aaai}
\usepackage{times}
\usepackage{helvet}
\usepackage{courier}
\setlength{\pdfpagewidth}{8.5in}
\setlength{\pdfpageheight}{11in}
%%
% PDFINFO for PDFLATEX
% Uncomment and complete the following for metadata
% (your paper must compile with PDFLATEX)
\pdfinfo{
/Title (Input Your Paper Title Here)
/Author (John Doe, Jane Doe)
/Keywords (Input your paper's 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, Author, and Address Information
```

```

\title{Title}
\author{Author 1 \and Author 2\\
Address line\\
Address line\\
\And
Author 3\\
Address line\\
Address line}
%%%%
% Body of Paper Begins
\begin{document}
\maketitle
...
%%%%
% References and End of Paper
\bibliography{Bibliography-File}
\bibliographystyle{aaai}
\end{document}

```

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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.**

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```

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...
\bibliography{Bibliography-File}
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\end{document}

```

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- hyperref
- natbib

- geometry
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- layout
- caption
- titlesec
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- T1 fontenc package (install the CM super fonts package instead)

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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:

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

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```
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{\bf Author 2}\\ ... \\ {\bf Author n}\\
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`:

```
\author{Author 1\\ Address line \\ ... \\ Address line\\
\AND
```

```

Author 2 \\ Address line \\ ... \\ Address line\\
\\And
Author 3 \\ Address line \\ ... \\ Address line\\
}

```

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

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```

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

The list of files in the `\bibliography` command should be the names of your BibT<sub>E</sub>X 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.

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Formatted bibliographies should look like the following examples.

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*Magazine Article*

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Clancey, W. J. 1983b. 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.

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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. 1979b. 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. 1986a. The Engineering of Qualitative Models. *Forthcoming*.

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

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L<sup>A</sup>T<sub>E</sub>X is a difficult program to master. If you’ve used that software, and this document didn’t help or some items were not explained clearly, we recommend you read Michael Shell’s excellent document (testflow doc.txt V1.0a 2002/08/13) about obtaining correct PS/PDF output on L<sup>A</sup>T<sub>E</sub>X systems. (It was written for another purpose, but it has general application as well). It is available at [www.ctan.org](http://www.ctan.org) in the tex-archive.

## **Acknowledgments**

AAAI is especially grateful to Peter Patel Schneider for his work in implementing the aaai.sty file, liberally using the ideas of other style hackers, including Barbara Beeton. We also acknowledge with thanks the work of George Ferguson for his guide to using the style and BibT<sub>E</sub>X files — which has been incorporated into this document — and Hans Guesgen, who provided several timely modifications, as well as the many others who have, from time to time, sent in suggestions on improvements to the AAAI style.

The preparation of the L<sup>A</sup>T<sub>E</sub>X and BibT<sub>E</sub>X files that implement these instructions was supported by Schlumberger

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