

The `sacj` class*

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1 Introduction

This document describes the `sacj` L^AT_EX class file and B_IB_TE_X style. It is not a primer or tutorial on general L^AT_EX nor B_IB_TE_X, for that the curious reader is directed to the CTAN site, <http://www.ctan.org>.

Seven commands are provided by the `sacj` class to authors, namely `\SACJtitle`, `\SACJauthor`, `\SACJaddress`, `\SACJabstract`, `\SACJkeywords` and `\SACJjack`. The `\SACJmaketitle` is used to construct the front page with information gleaned from the previous commands. Each is described shortly.

One environment is provided, `acknowledgments`.

2 Installation

To use the `sacj` class and bibliographic style files, simply place the `sacj.cls` and `sacj.bst` files in the directory of your SACJ submission.

3 Usage

In order to use the provided class file, your L^AT_EX file must begin with

```
\documentclass{sacj}
```

At some point before `\begin{document}`, you must also insert

```
\bibliographystyle{sacj}
```

`\SACJtitle` This mandatory command sets the title of the paper. It has the format

```
\SACJtitle{<title>}
```

where *<title>* is mandatory.

`\SACJauthor` This mandatory command sets the author of the paper. It has the format

```
\SACJauthor [<id>]{<name>}{<email>}
```

*This document corresponds to `sacj` v1.0, dated 2005/05/30.

where $\langle id \rangle$ is a key linking to an address set by `\SACJaddress`, $\langle name \rangle$ is the author's name and $\langle email \rangle$ is an address at which the author accepts email.

If a single address is used in `\SACJaddress`, then the optional argument id can be omitted. If no email address is available, leave that argument blank, but the braces must remain.

`\SACJaddress` This mandatory command provides an address or affiliation for the author. It may **not** precede any `\SACJauthor` command, and has the format

```
\SACJaddress[\langle id \rangle]{\langle address \rangle}
```

where $\langle id \rangle$ is a key linking to an author set by `\SACJauthor`, and $\langle address \rangle$ indicates the affiliation or address.

If a single address is used, then the optional argument id can be omitted. If no email address is available, leave that argument blank. The $\langle id \rangle$ can consist of any combination of alphanumeric characters and can be tens of characters long.

`\SACJabstract` This mandatory command provides an abstract for the paper. It has the format

```
\SACJabstract{\langle abstract \rangle}
```

where $\langle abstract \rangle$ is the text of the abstract. If you wish to break lines, please insert manual linebreaks (`\`).

`\SACJkeywords` This mandatory command provides the keywords for the paper. It has the format

```
\SACJkeywords{\langle keywords \rangle}
```

where $\langle keywords \rangle$ are a small number of comma separated terms which sum up your paper.

`\SACJmaketitle` This mandatory command constructs the title page. It takes no arguments, and *must* follow the all other `\SACJ` commands. Further, it has to occur after `\begin{document}`.

`acknowledgments` The `acknowledgments` environment provides an unnumbered section with the title "Acknowledgments", to be used just prior to the bibliography.

4 Examples

4.1 Sample document with single author

```
\documentclass{sacj}
\bibliographystyle{sacj}

\begin{document}

\SACJauthor{Foo Bar}{fbar@example.com}
\SACJtitle{On the Importance of Cleaning Electrical Sockets with Non-Conductive Solutions}
\SACJaddress{Department of Physical Surprises, University of the Deserted Well,%
  Parched Camel City, Ubogonivia, 42.}
\SACJabstract{The dangers of liquids in electrical sockets is well-known,%
  however the problem of cleaning live sockets has, up to this point, remained%
  untouched. In this paper we report on our experiments to solve this pressing issue.}
```

```

\SACJkeywords{electrical sockets, cleaning, {CPR}}
\SACJmaketitle
\section{Introduction}
.
.
.
\begin{acknowledgments}
.
.
.
\end{acknowledgments}
\bibliography{references}
\end{document}

```

4.2 Multiple authors, single address

Often papers are co-authored by writers from the same institution. The `\SACJauthor` and `\SACJaddress` commands would then be used like so:

```

.
\SACJauthor{Foo Bar}{fbar@example.com}
\SACJauthor{Rivet Frog}{splash@wat.er}
\SACJauthor{Kit Kat}{}
\SACJaddress{Department of Questionable Business Practices,%
  National College for Bookkeeping, Dodgyfontein, 333.}
.

```

Note: while email addresses are not required, a blank parameter is still supplied. Author names are inserted onto the page in the order in which they are supplied.

4.3 Multiple authors, multiple addresses

Occasionally, authors from separate institutions might collaborate. In this case, the optional argument to `\SACJauthor` and `\SACJaddress` are required:

```

.
\SACJauthor[pond]{Foo Bar}{fbar@example.com}
\SACJauthor[pond]{Rivet Frog}{splash@wat.er}
\SACJauthor[chocs]{Kit Kat}{}
\SACJaddress[pond]{Department of Questionable Business Practices,%
  National College for Bookkeeping, Dodgyfontein, 333.}
\SACJaddress[chocs]{W. Wonker's Chocolate Factory.}
.

```

Note: this class file handles a maximum of **nine** separate institutions. Addresses are inserted in the order in which they are supplied.