

# The `ieee` bibliography style for `biblatex`\*

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This package provides a style for `biblatex` which follows the guidelines of the IEEE. The citation style is numeric and unsorted. The bibliography style follows the pattern of the official `IEEEtran` package (<https://ieeauthorcenter.ieee.org/wp-content/uploads/IEEE-Editorial-Style-Manual.pdf>). The style should be loaded in the usual way

```
\usepackage[style=ieee]{biblatex}
```

The References section of this document demonstrates the format generated by the package using the `biblatex-ieee.bib` database of example citations.

The style introduces new bibliography strings:

**patentjp** the text “Japanese Patent”;

**presentedat** the text “presented at the” when printing conference papers using the name of the conference rather than a reference to a book of abstracts.

These may be localized in the usual way.

The style adds the **dashed** option to those recognised: as-standard, this is activated. The option works in the same way as that from the core `biblatex` style **author-year**.

As-standard, citation numbers are all printed. If you do not wish to have compressed citations, use

```
\usepackage[style = ieee, citestyle = ieee-comp]{biblatex}
```

The appearance of URLs in the bibliography is set by the mechanism of the `url` package. Thus to print URLs in the current roman font, place the instruction

```
\renewcommand*{\UrlFont}{\rmfamily}
```

immediately before

```
\printbibliography
```

Control of the exact information in dates is best achieved by using the `\AtEveryCite` command with appropriate data manipulation. In particular, if your database includes full dates, you will likely want to drop these for most periodicals using `\clearfield`

Also included in the bundle is a style using alphabetic labels, but otherwise following the guidelines of the IEEE. This style should be loaded using

```
\usepackage[style=ieee-alphabetic]{biblatex}
```

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\*This file describes v1.4e, last revised 2025-03-14.

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It is demonstrated in the accompanying PDF file `biblatex-ieee-alphabetic`.

Suggestions for improvement and bug reports can be logged in the package issue database, found at <https://github.com/josephwright/biblatex-ieee/issues/>, or can be sent by e-mail to [joseph@texdev.net](mailto:joseph@texdev.net).

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## Change History

v1.0		editor for incollection
	General: First stable release . . . . .	4 entries . . . . . 4
v1.0a		v1.1
	General: Print “presented at” for <b>inproceedings</b> entries only if an <b>eventtitle</b> is available . . . . .	4 General: New alphabetic style <b>ieee-alphabetic</b> . . . . . 4
v1.0b		Update citation-related options set by the style . . . . . 4
	General: Add instructions for printing URL in roman font . . . . .	4 v1.1a
	Use dash for repeated author names . . . . .	4 General: Bracket citation numbers singly, not as a group . . . . . 4
v1.0c		v1.1b
	General: Set <i>et al.</i> in italics . . . . .	4 General: Fix spacing between bibliography label and entry . . . . . 4
	Turn off citation sorting . . . . .	4 v1.1c
	Use two em-dashes for repeated names . . . . .	4 General: Improve handling of names in <code>\textcite</code> . . . . . 4
v1.0d		v1.1d
	General: Place <b>series</b> before	General: Improve handling of

	names in <code>\textcite</code> again . . . .	4	Use title case for book tiles . . . .	4
v1.1e	General: Address brackets around citations again, hopefully correctly this time . . . . .	4	v1.2a	General: Minor internal updates . . . .
	Use US-style punctuation suppression . . . . .	4		More work on formatting of titles . . . .
v1.1f	General: Fix brackets in <code>\textcite</code> . . . .	4	v1.2b	Move some formatting directives . . . .
v1.1g	General: Include data for related entries . . . . .	4		General: Fix accidental printing of string <code>no.</code> . . . . .
v1.1h	General: Print post-notes within brackets surrounding citation number . . . . .	4	v1.2c	General: Fix formatting for volume in some entry types . . . . .
v1.1i	General: Remove extraneous bracket when <code>\cites</code> is used . . . .	4	v1.2d	General: Subtle adjustment for volume string . . . . .
v1.1j	General: Correctly format multi-part page ranges . . . . .	4	v1.3	General: Hungarian localisation . . . .
	Update <code>\textcite</code> code for <code>biblatex v2.7</code> . . . . .	4	v1.3b	General: Add quotes to website titles . . . . .
v1.1k	General: Capitalise after colon in titles . . . . .	4	v1.3d	General: Adjust <code>online</code> type . . . . .
v1.1l	General: Respect braces for capitalisation in titles . . . . .	4	v1.3e	General: Adjust truncation of names list . . . . .
v1.1m	General: Much simplified citation style approach . . . . .	4	v1.3f	General: Adjust printing of series for books . . . . .
	Track <code>biblatex</code> changes . . . . .	4		Fix brackets in <code>\supercite</code> . . . . .
v1.1n	General: Fix printing of titles when braced in database . . . . .	4		Use <code>false</code> as the default for <code>dashed</code> setting . . . . .
v1.1o	General: Fix capitalisation of journal titles . . . . .	4	v1.3g	General: Correct formatting of URL for online entries . . . . .
v1.1p	General: Revert changes in internal code for citation handling . . . . .	4		Print separator between journal title and subtitle . . . . .
v1.1q	General: Fix stray space after “ <i>et al.</i> ” . . . . .	4	v1.4	General: Switch from compressed to non-compressed citations . . . .
v1.2	General: New <code>dashed</code> option . . . . .	4	v1.4a	General: Correct <code>\textcite</code> . . . . .
	Refine handling of case changing in titles . . . . .	4		Correct use of <code>\newbibmacro</code> . . . .
			v1.4b	General: Print “ <i>et al.</i> ” upright . . . .
			v1.4d	General: Print “ <i>Art. no.</i> ” in front of article IDs . . . . .
			v1.4e	General: Fix format for combination of <code>\maintitle</code> and <code>\booktitle</code> . . . . .