

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}
```

*This file describes v1.4a, last revised 2024-11-17.

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It is demonstrated in the accompany 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.

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Change History

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

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