

VGTC Journal LaTeX Template import as Authorea Markdown Document

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Abstract

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This template is for papers of VGTC-sponsored conferences such as IEEE VIS, IEEE VR, and ISMAR which are published as special issues of TVCG. The template does not contain the respective dates of the conference/journal issue, these will be entered by IEEE as part of the publication production process. Therefore, **please leave the copyright statement at the bottom-left of this first page untouched**.

1 Using the Style Template

- If you receive compilation errors along the lines of “**Package ifpdf Error: Name clash, \ifpdf is already defined**” then please add a new line “`\let\ifpdf\relax`” right after the “`\documentclass[journal]{vgtc}`” call. Note that your error is due to packages you use that define “`\ifpdf`” which is obsolete (the result is that `\ifpdf` is defined twice); these packages should be changed to use `ifpdf` package instead.
- Note that each author’s affiliations have to be provided in the author footer on the bottom-left corner of the first page. It is permitted to merge two or more people from the same institution as long as they are shown in the same order as in the overall author sequence on the top of the first page. For example, if authors A, B, C, and D are from institutions 1, 2, 1, and 2, respectively, then it is ok to use 2 bullets as follows:
 - A and C are with Institution 1. E-mail: `{a|c}@i1.com`.
 - B and D are with Institution 2. E-mail: `{b|d}@i2.org`.
- The style uses the `hyperref` package, thus turns references into internal links. We thus recommend to make use of the “`\autoref{reference}`” call (instead of “**Figure~??**” or similar) since “`\autoref{reference}`” turns the entire reference into an internal link, not just the number. Examples: and .

- The style automatically looks for image files with the correct extension (eps for regular LaTeX; pdf, png, and jpg for pdfLaTeX), in a set of given subfolders (figures/, pictures/, images/). It is thus sufficient to use “\includegraphics{CypressView}” (instead of “\includegraphics{pictures/CypressView.jpg}”).
- For adding hyperlinks and DOIs to the list of references, you can use “\bibliographystyle{abbrv-doi-hyperref-narrow}” (instead of “\bibliographystyle{abbrv}”). It uses the doi and url fields in a bibTeX entry and turns the entire reference into a link, giving priority to the doi. The doi can be entered with or without the “http://dx.doi.org/” url part. See the examples in the bibTeX file and the bibliography at the end of this template.

Note 1: occasionally (for some LaTeX distributions) this hyper-linked bibTeX style may lead to **compilation errors** (“pdfendlink ended up in different nesting level ...”) if a reference entry is broken across two pages (due to a bug in hyperref). In this case make sure you have the latest version of the hyperref package (i.e., update your LaTeX installation/packages) or, alternatively, revert back to “\bibliographystyle{abbrv-doi-narrow}” (at the expense of removing hyperlinks from the bibliography) and try “\bibliographystyle{abbrv-doi-hyperref-narrow}” again after some more editing.

Note 2: the “-narrow” versions of the bibliography style use the font “PTSansNarrow-TLF” for typesetting the DOIs in a compact way. This font needs to be available on your LaTeX system. It is part of the “[paratype](#)” package, and many distributions (such as MikTeX) have it automatically installed. If you do not have this package yet and want to use a “-narrow” bibliography style then use your LaTeX system’s package installer to add it. If this is not possible you can also revert to the respective bibliography styles without the “-narrow” in the file name.

DVI-based processes to compile the template apparently cannot handle the different font so, by default, the template file uses the `abbrv-doi` bibliography style but the compiled PDF shows you the effect of the `abbrv-doi-hyperref-narrow` style.

2 Bibliography Instructions

- Sort all bibliographic entries alphabetically but the last name of the first author. This LaTeX/bibTeX template takes care of this sorting automatically.
- Merge multiple references into one; e.g., use (Max, 1995; Kit, 2003) (not (Kit, 2003)(Max, 1995)). Within each set of multiple references, the references should be sorted in ascending order. This LaTeX/bibTeX template takes care of both the merging and the sorting automatically.
- Verify all data obtained from digital libraries, even ACM’s DL and IEEE Xplore etc. are sometimes wrong or incomplete.
- Do not trust bibliographic data from other services such as Mendeley.com, Google Scholar, or similar; these are even more likely to be incorrect or incomplete.
- Articles in journal—items to include:
 - author names
 - title
 - journal name
 - year
 - volume
 - number

- month of publication as variable name (i.e., {jan} for January, etc.; month ranges using {jan #{/}# feb} or {jan #-}# feb})
- use journal names in proper style: correct: “IEEE Transactions on Visualization and Computer Graphics”, incorrect: “Visualization and Computer Graphics, IEEE Transactions on”
- Papers in proceedings—items to include:
 - author names
 - title
 - abbreviated proceedings name: e.g., “Proc.\ CONF_ACRONYNM” without the year; example: “Proc.\ CHI”, “Proc.\ 3DUI”, “Proc.\ Eurographics”, “Proc.\ EuroVis”
 - year
 - publisher
 - town with country of publisher (the town can be abbreviated for well-known towns such as New York or Berlin)
- article/paper title convention: refrain from using curly brackets, except for acronyms/proper names/words following dashes/question marks etc.; example:
 - paper “Marching Cubes: A High Resolution 3D Surface Construction Algorithm”
 - should be entered as “{M}arching {C}ubes: A High Resolution {3D} Surface Construction Algorithm” or “{M}arching {C}ubes: A high resolution {3D} surface construction algorithm”
 - will be typeset as “Marching Cubes: A high resolution 3D surface construction algorithm”
- for all entries
 - DOI can be entered in the DOI field as plain DOI number or as DOI url; alternative: a url in the URL field
 - provide full page ranges AA–BB
- when citing references, do not use the reference as a sentence object; e.g., wrong: “In (Lorensen and Cline, 1987) the authors describe ...”, correct: “Lorensen and Cline (Lorensen and Cline, 1987) describe ...”

3 Example Section

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4 Exposition

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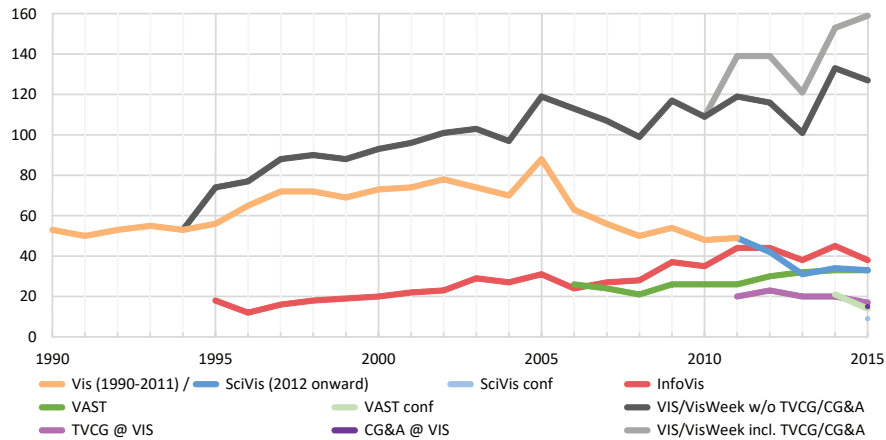


Figure 1: A visualization of the 1990–2015 data from . The image is from (Isenberg et al., 2017) and is in the public domain.

4.2.2 Ejector Seat Reservation

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¹The algorithm behind Marching Cubes (Lorensen and Cline, 1987) had already been described by Wyvill et al. (Wyvill et al., 1986) a year earlier.

²Footnotes appear at the bottom of the column.

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5 Conclusion

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