

The `orcidlink` package

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v1.0.5 from 2023/12/30

Source repo: <https://github.com/duetosymmetry/orcidlink-LaTeX-command>.


1 Introduction

This is a LaTeX style file to add a macro for inserting a linked ORCID logo. The package provides exactly one command, `\orcidlink`.

2 Usage

To use this package, in the preamble include

```
\usepackage{orcidlink}
```

`\orcidlink{<orcid>}` Insert the ORCID logo ()¹, which is hyperlinked to the URL of the researcher whose iD was specified. Replace the mandatory argument `<orcid>` with your ORCID — just the digits, not your whole URL. For example, the command `\orcidlink{0000-0001-7559-9597}` will hyperlink to the URL <https://orcid.org/0000-0001-7559-9597>. This is most common in the author list. For example, in the preamble of a RevTeX article, if you write

```
\author{Emmy Noether\,\orcidlink{0000-0000-0000-0000}}
```

then the article byline will look something like this:

Emmy Noether ^{1, *}

as and Astronomu The I.

The macro is used in the author line of this documentation as well.

3 Package Compatibility

This package relies on `hyperref` and `tikz`. If you want to pass options to either of these packages, load them *before* you load `orcidlink`. Similarly, if you want to specify options to e.g. `xcolor`, load `xcolor` before loading `tikz` or `orcidlink`.

4 Implementation

```
1 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
2 \ProvidesPackage{orcidlink}
3   [2023/12/30 v1.0.5 Linked ORCID logo macro package]
4
5 %% All I did was package up Milo's code on TeX.SE,
6 %% see https://tex.stackexchange.com/a/445583/34063
7 \RequirePackage{hyperref}
8 \RequirePackage{tikz}
9
10 \ProcessOptions\relax
11
12 \usetikzlibrary{svg.path}
13
14 \definecolor{orcidlogocol}{HTML}{A6CE39}
15 \tikzset{
16   orcidlogo/.pic={
17     \fill[orcidlogocol] svg[M256,128c0,70.7-57.3,128-128,128C57.3,256,0,198.7,0,128C0,57.3,57.3,198.7]
18     \fill[white] svg[M86.3,186.2H70.9V79.1h15.4v48.4V186.2z}
19     svg[M108.9,79.1h41.6c39.6,0,57,28.3,57,53.6c0,27.5-21.5,53.6-56.8,53.6h-41.8v48.4V186.2z}
20     svg[M88.7,56.8c0,5.5-4.5,10.1-10.1,10.1c-5.6,0-10.1-4.6-10.1-10.1c0-5.6,4.5-10.1,10.1-10.1]
21   }
22 }
23
24 %% Reciprocal of the height of the svg whose source is above. The
25 %% original generates a 256pt high graphic; this macro holds 1/256.
26 \newcommand{\@OrigHeightRecip}{0.00390625}
27
28 %% We will compute the current X height to make the logo the right height
29 \newlength{\@CurXheight}
30
31 %% Prevent externalization of the ORCID logo.
32 \newcommand{\@preventExternalization}{%
33 \ifcsname tikz@library@external@loaded\endcsname%
34 \tikzset{external/export next=false}\else\fi%
35 }
36
\orcidlink
37 \DeclareRobustCommand\orcidlink[1]{%
38 \texorpdfstring{%
39 \setlength{\@CurXheight}{\fontcharht\font'X}%
40 \href{https://orcid.org/#1}{\XeTeXLinkBox{\mbox{%
41 \@preventExternalization%
42 \begin{tikzpicture}[yscale=-\@OrigHeightRecip*\@CurXheight,
43 xscale=\@OrigHeightRecip*\@CurXheight,transform shape]
44 \pic{orcidlogo};
45 \end{tikzpicture}%
46 }}}}{}}
47
48 \endinput
```

Change History

v1.0.0		and using	
	General: Converted to DTX file . . .	DeclareRobustCommand	1
v1.0.1		v1.0.4	
	General: Bugfix due to	General: Use XeTeXLinkBox to	
	misunderstanding of docstrip . . .	get hyperlink working correctly	
v1.0.2		with XeTeX. Thanks to Tim	
	General: Fix fragility of command	Henke for the bug report.	1
	when inside of author, and	v1.0.5	
	combined with hyperref's	General: Turn off TikZ	
	option pdfusetitle	externalization of logos.	
v1.0.3		Thanks to github user aquileia	
	General: Improve fragility by	for the bug report.	1
	calculating scaling ourselves,		