The orcidlink package

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

1 Introduction

This is a LaTeX style file providing a macro for inserting a hyperlinked ORCiD logo. The package also provides three commands for ORCiD's three recommended ID printing formats, and a command for just the ORCiD logo, not linked to anything.

2 Usage

To use this package, in the preamble include

```
\usepackage{orcidlink}
```

`\orcidlink{⟨orcid⟩}` Insert the ORCiD logo (⬤), 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, *]

s and Astronomy. The L

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

`\orcidlogo` If you simply want the ORCiD logo without a hyperlink anywhere, use `\orcidlogo`.

ORCiD's guidelines recommend three formats: full, compact, and inline. The three formats are available:

`\orcidlinkf{⟨orcid⟩}` 1. Full format. Example: `\orcidlinkf{0000-0001-7559-9597}` will insert
   ⬤ https://orcid.org/0000-0001-7559-9597

`\orcidlinkc{⟨orcid⟩}`   2. Compact format. Example: `\orcidlinkc{0000-0001-7559-9597}` will insert ⦿ 0000-0001-7559-9597

`\orcidlinki{⟨Name⟩}{⟨orcid⟩}`   3. Inline format. Example: `\orcidlinki{Leo C. Stein}{0000-0001-7559-9597}` will insert Leo C. Stein ⦿

`\orcidlinkX{⟨before⟩}{⟨orcid⟩}{⟨after⟩}`

The command `\orcidlinkX{before}{orcid}{after}` is a helper macro that's used to implement all of the others. Though it is just an internal helper, I saw no reason to keep it internal. `\orcidlinkX{before}{orcid}{after}` results in before ⦿ after. The entire output is hyperlinked to the ORCiD page. There is a thin space `\,` between "before," the logo, and "after." However if "before" is empty, the space will be omitted; similarly for "after."

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    [2024/06/26 v1.1.0 Support ORCID's three different ID formats.]
4
5 %% This started out as Milo's code on TeX.SE,
6 %% see https://tex.stackexchange.com/a/445583/34063.
7 %% It has since been expanded with more commands.
8 \RequirePackage{hyperref}
9 \RequirePackage{tikz}
10
11 \ProcessOptions\relax
12
13 \usetikzlibrary{svg.path}
14
15 \definecolor{orcidlogocol}{HTML}{A6CE39}
16 \tikzset{
17   orcidlogo/.pic={
18     \fill[orcidlogocol] svg{M256,128c0,70.7-57.3,128-128,128C57.3,256,0,198.7,0,128C0,57.3,57.3,
19     \fill[white] svg{M86.3,186.2H70.9V79.1h15.4v48.4V186.2z}
20                  svg{M108.9,79.1h41.6c39.6,0,57,28.3,57,53.6c0,27.5-21.5,53.6-56.8,53.6h-41.8V
21                  svg{M88.7,56.8c0,5.5-4.5,10.1-10.1,10.1c-5.6,0-10.1-4.6-10.1-10.1c0-5.6,4.5-1
22   }
23 }
24
25 %% Reciprocal of the height of the svg whose source is above.  The
26 %% original generates a 256pt high graphic; this macro holds 1/256.
27 \newcommand{\@OrigHeightRecip}{0.00390625}
28
29 %% We will compute the current X height to make the logo the right height
30 \newlength{\@curXheight}
```

```
31
32 %% Prevent externalization of the ORCiD logo.
33 \newcommand{\@preventExternalization}{%
34 \ifcsname tikz@library@external@loaded\endcsname%
35 \tikzset{external/export next=false}\else\fi%
36 }
37
```

\orcidlogo

```
38 \newcommand{\orcidlogo}{%
39 \texorpdfstring{%
40 \setlength{\@curXheight}{\fontcharht\font`X}%
41 \XeTeXLinkBox{%
42 \@preventExternalization%
43 \begin{tikzpicture}[yscale=-\@OrigHeightRecip*\@curXheight,
44 xscale=\@OrigHeightRecip*\@curXheight,transform shape]
45 \pic{orcidlogo};
46 \end{tikzpicture}%
47 }}{}}
```

\orcidlinkX

```
48 \DeclareRobustCommand\orcidlinkX[3]{\href{https://orcid.org/#2}{%
49 \ifstrempty{#1}{}{#1\,}\orcidlogo\ifstrempty{#3}{}{\,#3}}}
```

\orcidlinkf

```
50 \newcommand{\orcidlinkf}[1]{\orcidlinkX{}{#1}{https://orcid.org/#1}}
```

\orcidlinkc

```
51 \newcommand{\orcidlinkc}[1]{\orcidlinkX{}{#1}{#1}}
```

\orcidlinki

```
52 \newcommand{\orcidlinki}[2]{\orcidlinkX{#1}{#2}{}}
```

\orcidlink

```
53 \newcommand{\orcidlink}[1]{\orcidlinkX{}{#1}{}}
54
55 \endinput
```

Change History

v1.0.5

v1.1.0