

The `pubstmt` package*

Thai Son Hoang
ECS, University of Southampton
<T dot S dot Hoang at ecs dot soton dot ac dot uk>

November 16, 2017

Abstract

This package provides utilities for typesetting information linking to publisher website. It was developed at the University of Southampton.

Contents

| | | |
|----------|---|----------|
| 1 | Introduction | 1 |
| 2 | Usage | 1 |
| 3 | Implementation | 2 |
| 3.1 | Package Loading | 2 |
| 3.2 | Internal Helper Macros | 2 |
| 3.3 | The <code>pubstmt</code> Page Style | 4 |
| 3.4 | Package Options | 5 |

1 Introduction

This package was developed in order to ease the typesetting information linking to publisher website (the publisher’s statement).

2 Usage

Just like any other package, you need to request this package with a `\usepackage` command in the preamble.

So in the simpler case, one just types

```
\usepackage{pubstmt}
```

to load the package. The information related to the publication, e.g., publisher’s DOI number, its book title and publisher’s name can be set afterwards.

```
\pubstmtSetDOI{10.1007/978-3-319-68499-4_5}  
\pubstmtSetBookTitle{CONF2017: Proceedings of some conference}  
\pubstmtSetPublisher{Springer}
```

The publisher statement can be typeset on any page using `\thispagestyle{pubstmt}`.

*This document corresponds to `pubstmt` v1.3, dated 2018/11/17.

3 Implementation

3.1 Package Loading

The implementation is quite straightforward. Our implementation is based on the `fancyhdr` package. We also require `url` package for typesetting the URLs.

```
\RequirePackage{fancyhdr}
\RequirePackage{url}
\RequirePackage{hyperref}
```

3.2 Internal Helper Macros

We define with some internal helper macros that can be (re-)set by the users or package options.

`\pubstmt@doi` We define a macro for the publisher's DOI number corresponding to the publication. The users are expected to set this DOI number using the command `\pubstmtSetDOI` (defined later).

```
\newcommand{\pubstmt@doi}{DOI number}
```

`\pubstmtdoi` For convenient, we make a public command to allow the users to directly use the publisher's DOI number, for example, when defining his own publisher statement using `pubstmtSetStatement` (defined later).

```
\newcommand{\pubstmtdoi}{\pubstmt@doi}
```

`\pubstmtSetDOI` We define the command to (re-)set the DOI number as follows.

```
<pubstmt>% Command to (re-)set the publication's DOI number.
<pubstmt>%
<pubstmt>% Arguments:
<pubstmt>% 1. The DOI number
<pubstmt>%
<pubstmt>% Usage:
<pubstmt>% - \pubstmtSetDOI{10.1007/978-3-319-68499-4_5} will set the
<pubstmt>% publication DOI number accordingly.
\newcommand{\pubstmtSetDOI}[1]{%
  \renewcommand{\pubstmt@doi}{#1}%
}%
```

`\pubstmt@booktitle` Similarly we define a macro for the book title of the publication. The users are expected to set this book title using the command `\pubstmtSetBookTitle` (defined later).

```
\newcommand{\pubstmt@booktitle}{Book title}
```

`\pubstmtbooktitle` For convenient, we make a public command to allow the users to directly use the publication's book title, for example, when defining his own publisher statement using `pubstmtSetStatement` (defined later).

```
\newcommand{\pubstmtbooktitle}{\pubstmt@booktitle}
```

`\pubstmtSetBookTitle` The macro for setting the book title is defined as follows.

```

    <pubstmt>% Command to (re-)set the publication's book title.
    <pubstmt>%
    <pubstmt>% Arguments:
    <pubstmt>% 1. The book title
    <pubstmt>%
    <pubstmt>% Usage:
    <pubstmt>% - \pubstmtSetBookTitle{CONF2017: Proceedings of
    <pubstmt>% some conference} will set the publication book title to
    <pubstmt>% "CONF2017: Proceedings of some conference".
    \newcommand{\pubstmtSetBookTitle}[1]{%
      \renewcommand{\pubstmt@booktitle}{#1}
    }%

```

`\pubstmt@publisher` Similarly we define a macro for publisher of the publication. The users are expected to set this publisher using the command `\pubstmtSetPublisher` (defined later).

```

    \newcommand{\pubstmt@publisher}{Publisher}

```

`\pubstmtpublisher` For convenient, we make a public command to allow the users to directly use the publication's publisher, for example, when defining his own publisher statement using `pubstmtSetStatement` (defined later).

```

    \newcommand{\pubstmtpublisher}{\pubstmt@publisher}

```

`\pubstmtSetPublisher` The macro for setting the publisher is defined as follows.

```

    <pubstmt>% Command to (re-)set the publication's publisher.
    <pubstmt>%
    <pubstmt>% Arguments:
    <pubstmt>% 1. The publisher
    <pubstmt>%
    <pubstmt>% Usage:
    <pubstmt>% - \pubstmtSetPublisher{Springer} will set the publication's
    <pubstmt>% publisher to "Springer"
    \newcommand{\pubstmtSetPublisher}[1]{%
      \renewcommand{\pubstmt@publisher}{#1}
    }%

```

`\pubstmt@year` Similarly we define a macro for publication's published year. The users are expected to set this publisher using the command `\pubstmtSetYear` (defined later).

```

    \newcommand{\pubstmt@year}{Year}

```

`\pubstmtyear` For convenient, we make a public command to allow the users to directly use the publication's published year, for example, when defining his own publisher statement using `pubstmtSetStatement` (defined later).

```

    \newcommand{\pubstmtyear}{\pubstmt@year}

```

`\pubstmtSetYear` The macro for setting the publication's published year is defined as follows.

```

\pubstmt}% Command to (re-)set the publication's published year.
\pubstmt}%
\pubstmt}% Arguments:
\pubstmt}% 1. The publication's published year
\pubstmt}%
\pubstmt}% Usage:
\pubstmt}% - \pubstmtSetYear{2017} will set the publication's
\pubstmt}% published year to "2017"
\newcommand{\pubstmtSetYear}[1]{%
  \renewcommand{\pubstmt@year}{#1}
}%

```

`\pubstmt@statement` Finally, we define the command for publisher's statement. By default this is the Springer's style statement. The users can (re-)set the statement using `\pubstmtSetStatement` (defined later).

```

\newcommand{\pubstmt@statement}{%
  \vspace{-10ex}
  The original publication is available at \url{http://doi.org/\pubstmt@doi}\\%
  In \pubstmt@booktitle{} $\copyright$ \pubstmt@publisher{} \pubstmt@year%
}%

```

`\pubstmtSetStatement` The macro for setting the publisher statement is defined as follows.

```

\pubstmt}% Command to (re-)set the publisher statement.
\pubstmt}%
\pubstmt}% Arguments:
\pubstmt}% 1. The statement
\pubstmt}%
\pubstmt}% Usage:
\pubstmt}% - \pubstmtSetStatement{Some statement} will set the
\pubstmt}% publisher statement accordingly.
\newcommand{\pubstmtSetStatement}[1]{%
  \renewcommand{\pubstmt@statement}{#1}
}%

```

3.3 The pubstmt Page Style

We define a new fancy page style called `pubstmt` as follows.

```

\fancypagestyle{pubstmt}
{
  \fancyhead{} % Clear all header fields
  \fancyhead[C]{%
    \pubstmt@statement
  }%
  \renewcommand{\headrulewidth}{0 pt} % No header rule
}

```

3.4 Package Options

We define some package options to redefine the publisher statement accordingly to the publisher's requirements. We define some standard statements according to publishers, e.g., Springer (the default), Elsevier.

```

\DeclareOption{Springer}{%
  \renewcommand{\pubstmt@statement}{%
    \vspace{-10ex}%
    The original publication is available at \url{http://doi.org/\pubstmt@doi}\\%
    In \pubstmt@booktitle{} $\copyright$ \pubstmt@publisher{} \pubstmt@year%
  }%
}%

\DeclareOption{Elsevier}{%
  \renewcommand{\pubstmt@statement}{%
    \vspace{-20ex}%
    The original publication is available at \url{http://doi.org/\pubstmt@doi}\\%
    In \pubstmt@booktitle{} $\copyright$ \pubstmt@publisher{} \pubstmt@year. This
    manuscript version is made available under the CC-BY-NC-ND 4.0
    license \url{http://creativecommons.org/licenses/by-nc-nd/4.0/}%
  }%
}%

\DeclareOption{IEEE}{%
  \renewcommand{\pubstmt@statement}{%
    \vspace{-20ex}%
    The original publication is available at \url{http://doi.org/\pubstmt@doi}\\%
    In \pubstmt@booktitle{} $\copyright$ \pubstmt@publisher{} \pubstmt@year.%
  }%
}%

\DeclareOption{CCBYNCND4}{%
  \renewcommand{\pubstmt@statement}{%
    \vspace{-20ex}%
    This manuscript version is made available under the CC-BY-NC-ND 4.0
    license \url{http://creativecommons.org/licenses/by-nc-nd/4.0/}%
  }%
}%

We define some statement for conference proceedings series and journals. They
are just redefined from the corresponding publishers.

\DeclareOption{LNCS}{% LNCS series
  \ExecuteOptions{Springer}
}%

\DeclareOption{SCP}{% Science of Computer Programming
  \ExecuteOptions{Elsevier}
}%

Finally, we process all the options.
\ProcessOptions

```

Change History

| | | | | | | | |
|------|--|---|---|---|---|--|---|
| v1.0 | | \pubstmt@booktitle: Initial version | 2 | \pubstmt@doi: Initial version | 2 | \pubstmt@year: Initial version | 3 |
| | | \pubstmt@publisher: Initial version | 3 | | | \pubstmtSetYear: Initial version | 3 |
| | | General: Initial version | 1 | v1.1 | | \pubstmtyear: Initial version | 3 |
| | | \pubstmt@doi: Initial version | 2 | | | General: Added package options | |
| | | \pubstmt@publisher: Initial version | 3 | | | for publishers and book series, | |
| | | \pubstmt@statement: Initial version | 4 | | | journals | 1 |
| | | \pubstmtSetBookTitle: Initial version | 2 | v1.2 | | General: Added IEEE publisher's | |
| | | \pubstmtSetDOI: Initial version | 2 | | | statement | 1 |
| | | \pubstmtSetPublisher: Initial version | 3 | v1.3 | | General: Added CC-BY-NC-ND | |
| | | \pubstmtSetStatement: Initial version | 4 | | | 4.0 statement | 1 |
| | | \pubstmtbooktitle: Initial version | 2 | | | | |