

# The `pubstmt` package\*

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

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## Abstract

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

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## 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}`.

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\*This document corresponds to `pubstmt` v1.0, dated 2017/11/17.

## 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/}%
  }%
}%
```

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		\pubstmtSetStatement: Initial	
\pubstmt@booktitle: Initial		version .....	4
version .....	2	\pubstmtbooktitle: Initial version	2
\pubstmt@doi: Initial version	2	\pubstmtdoi: Initial version	2
\pubstmt@publisher: Initial		\pubstmtpublisher: Initial version	3
version .....	3	General: Initial version	1
\pubstmt@statement: Initial		v1.1	
version .....	4	\pubstmt@year: Initial version	3
\pubstmtSetBookTitle: Initial		\pubstmtSetYear: Initial version	3
version .....	2	\pubstmtyear: Initial version	3
\pubstmtSetDOI: Initial version	2	General: Added package options	
\pubstmtSetPublisher: Initial		for publishers and book series,	
version .....	3	journals .....	1

## Index

Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the definition; numbers in *roman* refer to the pages where the entry is used.

<b>E</b>		<b>H</b>		<b>P</b>	
<code>\ExecuteOptions</code>	.... 5	<code>\headrulewidth</code>	..... 4	<code>\pubstmt@doi</code>	.... 2, 4, 5
				<code>\pubstmt@publisher</code>	..... 3–5
<b>F</b>		<b>P</b>			
<code>\fancyhead</code>	..... 4	<code>\pubstmt@booktitle</code>	.	<code>\pubstmt@statement</code>	4, 5
<code>\fancypagestyle</code>	.... 4	..... 2–5		<code>\pubstmt@year</code>	..... 3–5