

# affilauthor\*

Selvam P.<sup>†</sup>

## Introduction

`affilauthor` package provides key-value style fields to tag the author and affiliation informations in a structured format. Each field has a specific name within `\author` and `\affil` commands similar to bib format. We can customize the styles as per preferences for `article.cls` class layouts.

Instead of giving all information(author and affiliation) in single tag `\author{...}`, we can split the information in a format of key-value style. It will given control over the elements and later we can do changes/styles by given values. It is very simple package, lot more could be added in further improvements.

## Author name tagging

Available filed names are listed below and it could be placed any order. Fields are optional, e.g.: If we don't have own/org site then we ignore such fields. Contact informations (mail,phone,url) and note field values will treated as footnote with footer mark.

```
\author
{
  name={...},
  mail={...},
  phone={...},
  url={...},
  affil={...},
  note={...}
}
```

More than one value for a field can be added with separation operators.

```
mail={mail1@gmail.com,mail2@gmail.com}
```

Required to mention the affiliation ids for determine the affiliations those belongs to author. More than one affiliation can be added by comma separation.

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\*Package to customize author and affiliations tagging for  $\text{\TeX}$  inputs.

<sup>†</sup>Suggestions and feedbacks are welcome, please reach me at [selvamittex@gmail.com](mailto:selvamittex@gmail.com)

ID name could be any format like \label. Based on the ID, the affiliation number will be displayed after name and also contacts/notes marker.

`affil={af1,af2,af5}`

## Sample output

### Affiliation ID as numeric:

L<sup>A</sup>T<sub>E</sub>X

Author A<sup>1,2,\*</sup>, Author B<sup>2</sup>, and Author C<sup>3,\*\*</sup>

<sup>1</sup>Department of Computer Science, University of London, London,  
UK

(✉ [authora@gmail.com](mailto:authora@gmail.com), ☎ +111-222-333, 🌐 [authora.com](http://authora.com))

<sup>2</sup>Department of Computer Science, TN University, Chennai, India  
(✉ [authorb@gmail.com](mailto:authorb@gmail.com))

<sup>3</sup>Department of Mathematics, TN University, Chennai, India  
(✉ [authorc@gmail.com](mailto:authorc@gmail.com), 🌐 [authorc.com](http://authorc.com))

### Affiliation ID as alphabet:

L<sup>A</sup>T<sub>E</sub>X

Author A<sup>a,b,\*</sup>, Author B<sup>b</sup>, and Author C<sup>c,\*\*</sup>

<sup>a</sup>Department of Computer Science, University of London, London,  
UK

(✉ [authora@gmail.com](mailto:authora@gmail.com), ☎ +111-222-333, 🌐 [authora.com](http://authora.com))

<sup>b</sup>Department of Computer Science, TN University, Chennai, India  
(✉ [authorb@gmail.com](mailto:authorb@gmail.com))

<sup>c</sup>Department of Mathematics, TN University, Chennai, India  
(✉ [authorc@gmail.com](mailto:authorc@gmail.com), 🌐 [authorc.com](http://authorc.com))

### Author's note as footnote:

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\*Note tagged using affilauthor package

\*\*Author C Note.

Here, we get appropriate marker to the notes in sequence order and also we can change the format like alphabet or roman.

## Affiliation tagging

Affiliation related fields are listed below and it could be placed any order. `id` should be a unique label(mandatory field) which is used in author field to get appropriate affiliation number. Other remaining fields are related to respective type of contents, it can be ignored optionally except `id`.

```
\affil
{
  id = {...},
  div = {...},
  org = {...},
  addr = {...},
  street = {...},
  landmark = {...},
  pincode = {...},
  postbox = {...},
  city = {...},
  state = {...},
  country = {...}
}
```

## Formatting style

It provide options to customize the font shape and size. Available types are listed below. We can directly use any Primitive T<sub>E</sub>X commands to change the style in value part.

```
\affilstyle
{
  authfont = {...},
  affilfont = {...},
  mailfont = {...},
  urlfont = {...},
  phonefont = {...},
  notefont = {...},
  notenum = { alpha, fnsym, roman },
  authspace = {...},
  affilspace = {...}
}
```

Suppose, if I want to change mail font size and shape then below option is preferred. Same way we can do other properties as well.

```
\affilstyle{mailfont = {\itshape\small}}
```

To change the note marker either alphabet or roman number below option can be used. Here, it is choice options so should be choose of those three values:

alpha Alphabet number  
fnsym Default TeX note sequence  
roman Roman number

```
\affilstyle{notenum = {alpha}}
```

Adjust the vertical space before author and affiliation.

```
\affilstyle{authspace = {\baselineskip},  
            affilspace = {\baselineskip}}
```

Add note it, I have defined these for article class which doesn't have such options. So later updates we can add more features and styles.

## Sample Code

```
\affilstyle[authfont={\sf},  
            mailfont={\tt},  
            affilfont={\it},  
            notenum={fnsym}  
]  
  
\author{name={Author1 Name},  
        mail={author1@gmail.com},  
        phone={+111-222-333},  
        url={author1.com},  
        affil={af1,af2},  
        note={Thanks to LaTeX Community}  
}  
  
\author{name={Author2 Name},  
        mail={author2@gmail.com},  
        phone={+111-222-333},  
        url={author2.com},  
        affil={af2}  
}  
  
\author{name={Author3 Name},  
        mail={author3@gmail.com},  
        url={author3.com},  
        affil={af2},  
}  
  
\affil{id={af2},  
      div={Department of Computer Science},  
      org={University of London},  
      street={1st block},
```

```
        city={London},
        country={UK}
    }
\affil{id={af1},
      div={Department of Computer Science},
      org={Delhi University},
      city={Delhi},
      country={India}
}
```

## To do lists

- Adding customize colour options to differentiation
- More layout styles
- Convert to various formats
- etc....

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