

# lni — A class for submissions to the “Lecture Notes in Informatics”\*

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## Zusammenfassung

## 1 Introduction

## 2 Installation

The lni bundle is distributed via [Github](#) and [CTAN](#). The later is the basis for all updates of the two main T<sub>E</sub>X distributions MiK<sub>T</sub>E<sub>X</sub> and T<sub>E</sub>X Live. Thus the easiest way to get all files needed to typeset an article for the Lecture Notes in Informatics is to use the package manager for your distribution.

## 3 Usage

To use the predefined layout for the Lecture Notes in Informatics just load the class file as usual with `\documentclass{lni}`.

The class file loads a bunch of packages which are all part of modern T<sub>E</sub>X distributions. Therefore, if you are confronted with a missing package, please try to download and install them using your distribution’s package manager. Alternatively got to [CTAN](#) to download missing packages.

### 3.1 Options

Although the class file includes all layout information for a submission to the Lecture Notes in Informatics, there are options to adapt the output one way or another.

`english` A document loading the lni class file, uses German language adoptions by default. To switch to English, just load the class with option `english`.

The language influences not only the hyphenation patterns and terms used in the text, but also the choice of a corresponding B<sub>I</sub>B<sub>T</sub>E<sub>X</sub> file (cf. ??).

`utf8` Although nowadays all major plattform support and widely use UTF-8 encoding for working with text files, there might be some need to change the input encoding the L<sup>A</sup>T<sub>E</sub>X document uses.

`latin1`  
`applemac`

This can be achieved by giving one of the options `utf8` (which is the default), `latin1` or `applemac` to the document class.

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## 4 Setting up a document

You can use the file `lni-author-template.tex` as a good starting point for setting up a document for submission. The `lni` class uses the standard ways to build an article.

### 4.1 Special macros

`\startpage`

### 4.2 Title page

`\title` The title of your work is given using the `\title` macro. In addition to the title itself, you can add a short title to be used in the header of a page:  
`\title[Short title]{Title}`.

`\author` The authors of an article are given using the standard `\author` macro. Multiple authors are separated by `\and`; the affiliations have to be added with `\footnote{affiliations}` where you can use `\email{email address}` for the email address of an author.

`\email`

Finally `\maketitle` will output the formatted title page.

### 4.3 Main text

#### 4.3.1 Headings

`\section` You can use the standard macros `\section`, `\subsection`, ... for sectioning your text.  
`\subsection`  
`\subsubsection`

#### 4.3.2 Footnotes

`\footnote` For adding a footnote, just use `\footnote{footnote text}` where needed. Please note, that the footnote counter is automatically set to the correct value at the beginning of your text, i. e. it respects the number of affiliations given on the title page.

#### 4.3.3 Lists

`itemize` The `lni` class redefines the standard lists environments `itemize` and `enumerate` to meet the requirements of the Lecture Notes in Informatics.

`enumerate`

#### 4.3.4 Floating objects

`figure` The environments `figure` and `table` can be used the standard way to include graphics or tables.  
`table`

However, please note, that the default placement parameters are changed to “htbp” by the class `lni`. If you need some local adjustment, please use the optional argument of both environments (cf. Listing 4.3.4).

`\caption` A caption should be added by `\caption{caption text}`, followed immediately  
`\label` by a `\label{Unique label}` entry.

```
\begin{figure}[tb]
\includegraphics{...}
\caption{...}
\label{...}
\end{figure}
```

If you want to center floats, please *do not* use the center environment, but the macro `\centering`, which does not add extra white space (cf. Listing 4.3.4).

```
\begin{table}  
\centering  
\begin{tabular}{lll}  
...  
\end{tabular}  
\caption{...}  
\label{...}  
\end{table}
```

#### 4.3.5 Listings/Source code

Verbatim Listings

#### 4.3.6 Equations

### 4.4 Bibliography

## 5

## 6 Bugs and feature request