Human Activity Recognition

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Abstract: The LATEX class `lni` implements the layout guidelines for contributions in LNI conference volumes. This document describes its usage and serves as an example for its presentation. The abstract is a brief overview of the work, which should be between 70 and 150 words long and should contain the most important information. The formatting is done automatically within the abstract environment.

Keywords: LNI Guidelines, LATEX Template

1 Usage

The GI provides guidelines for formatting documents in the LNI series at `http://www.gi-ev.de/LNI`. For LATEX documents, these are realized through the document class `lni`.

This document is based on the official documentation, simplified, and assumes basic LaTeX knowledge. Generic placeholders are inserted at the appropriate locations (such as the author information) and are not further documented elsewhere.

This template is structured as follows: Abschnitt 2 demonstrates the LNI features. Abschnitt 3 demonstrates compliance with the guidelines through simple text.

2 Demonstrations

The power set symbol ($\wp$) is displayed correctly. There is no more Weierstrass-p ($\wp$).

Angle brackets can be entered directly:

Anonymizations can be made automatically using the anonymous option in the document class. For this purpose, there is the `anon` macro, e.g., Secret for Review and for the final version only.

Here's a small demonstration of microtype: Dies hier ist ein Blindtext zum Testen von Textausgaben. Wer diesen Text liest, ist selbst schuld. Der Text gibt lediglich den Grauwert

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1 University, Department, Street, Postal Code City, Country,
   firstname1.lastname1@affiliation1.de, https://orcid.org/0000-0000-0000-0000;
   firstname3.lastname3@affiliation1.de, https://orcid.org/0000-0000-0000-0000;
   firstname4.lastname4@affiliation1.de, https://orcid.org/0000-0000-0000-0000
2 University, Department, Address, Country,
   firstname2.lastname2@affiliation2.de, https://orcid.org/0000-0000-0000-0000

der Schrift an. Ist das wirklich so? Ist es gleichgültig, ob ich schreibe: „Dies ist ein Blindtext" oder „Huardest gefburn"? Kjift – mitnichten! Ein Blindtext bietet mir wichtige Informationen. An ihm messe ich die Lesbarkeit einer Schrift, ihre Anmutung, wie harmonisch die Figuren zueinander stehen und prüfe, wie breit oder schmal sie läuft. Ein Blindtext sollte möglichst viele verschiedene Buchstaben enthalten und in der Originalsprache gesetzt sein. Er muss keinen Sinn ergeben, sollte aber lesbar sein. Fremdsprachige Texte wie „Lorem ipsum" dienen nicht dem eigentlichen Zweck, da sie eine falsche Anmutung vermitteln.

3 Demonstration of Compliance with the Guidelines

3.1 Bibliography

The last section shows an exemplary bibliography for books with one author [**Ez10**] and two authors [**AB00**], a contribution in proceedings with three authors [**ABC01**], a contribution in an LNI volume with more than three authors [**Az09**], two books with the same four authors in the same year [**Wa14**] and [**Wa14b**], a journal [**Gl06**], a website [**GI19**], and other literature without specific authorship [**XX14**]. Biblatex is used because it supports UTF8 cleanly and does not produce errors when bibtexing, unlike lni.bst.

References should not be directly embedded as subjects, but only through author references: Example: **AB00** provide an example, but also **Az09**. Note: Capital C with `Citet` when it begins a sentence. This is analogous to `Cref`.

Formatting and abbreviations are automatically applied for the reference types `book`, `inbook`, `proceedings`, `inproceedings`, `article`, `online`, and `misc`. Possible fields for references can be found in the sample file `lni-paper-example-en.bib`. Other references and fields may need to be adjusted afterwards.

3.2 Figures

Abb. 1 shows a figure.

3.3 Tables

Tab. 1 shows a table.

3.4 Program Code

The LNI style requires listings to be indented from the left margin. In the `lni` document class, this is implemented for the `verbatim` environment.
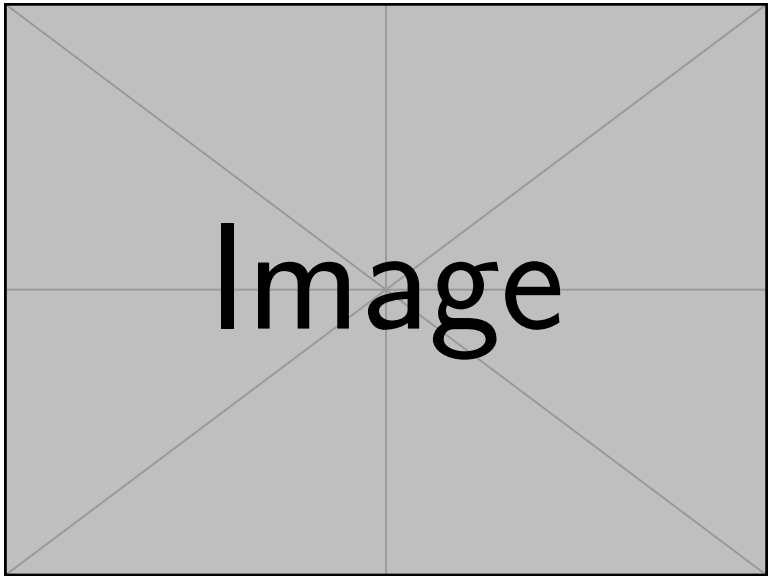
Abb. 1: Demographics

Heading Levels	Example	Font Size and Style
Title (left-aligned)	The Title . . .	14 pt, Bold
Heading 1	1 Introduction	12 pt, Bold
Heading 2	2.1 Title	10 pt, Bold

Tab. 1: The Heading Styles

```
public class Hello {
    public static void main (String[] args) {
        System.out.println("Hello World!");
    }
}
```

Alternatively, the lstlisting environment can be used.

List. 1 shows an example using the lstlisting environment. Another example is List. 2.

```
public class Hello {
  public static void main (String[] args) {
    System.out.println("Hello␣World!");
  }
}
```

List. 1: A Java Program

```
# This program prints Hello, world!

print('Hello,␣world!')
```

List. 2: A Python Program

3.5 Formulas and Equations

Correct indentation and numbering for formulas are ensured with the equation and align environments.

$$1 = 4 - 3 \tag{1}$$

and

$$2 = 7 - 5 \tag{2}$$
$$3 = 2 - 1 \tag{3}$$