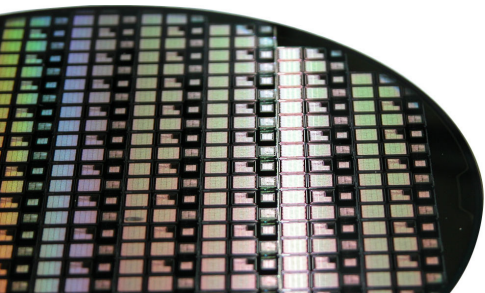# iis – The LaTeX beamer Theme of the Integrated Systems Laboratory

**An easy to use template**

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Integrated Systems Laboratory

## **Outline**

## Introduction and Requirements

This presentation serves as a basic introduction to the LaTeX beamer theme of the Integrated Systems Laboratory (IIS). Its main requirements are listed in the follwing:

- An easy to use beamer theme, which can be activated by adding `\usetheme{iis}` to a beamer document.

- Make use of the corporate design (CD) colors and other design elements (e.g., logos) of ETH Zurich.[1]

- Create a minimalistic header and footer in order to make most of the slide space available for the actual content.

- Provide some pre-defined commands, which adhere to the CD of ETH Zurich.

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[1] https://www1.ethz.ch/hk/docs/corporate_design

# Usage

## Usage at the Integrated Systems Laboratory

In order to use this beamer theme at the IIS, you only need to add the following line to the preamble of your document: `\usetheme{iis}`

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## External usage

In order to use this beamer theme on your personal laptop or another arbitrary workstation, in addition to the above line, you need to make sure that the following files are readable for your LaTeX distribution (e.g., in the directory where your LaTeX source document lies):

- `beamerthemeiis.sty`
- `beameroutsthemeiis.sty`
- `beamerinnerthemeiis.sty`
- `beamercolorthemeiis.sty`
- `beamerfontthemeiis.sty`

- `eth_logo.pdf`
- `eth_logo_neg.pdf`
- `wafer.jpg`
- `wafer.png`

# Examples

**Itemize and Enumerate Environments**

- First itemize entry

## Examples

**Itemize and Enumerate Environments**

- First `itemize` entry
- Second `itemize` entry

# Examples

**Itemize and Enumerate Environments**

- First `itemize` entry
- Second `itemize` entry
- Third `itemize` entry

## Examples

**Itemize and Enumerate Environments**

- First `itemize` entry
- Second `itemize` entry
- Third `itemize` entry
  - First `itemize` subentry

## Examples

**Itemize and Enumerate Environments**

- First itemize entry
- Second itemize entry
- Third itemize entry
  - First itemize subentry
  - Second itemize subentry

## Examples

**Itemize and Enumerate Environments**

- First `itemize` entry
- Second `itemize` entry
- Third `itemize` entry
  - First `itemize` subentry
  - Second `itemize` subentry
- Fourth `itemize` entry

## Examples

**Itemize and Enumerate Environments**

- First `itemize` entry
- Second `itemize` entry
- Third `itemize` entry
  - First `itemize` subentry
  - Second `itemize` subentry
- Fourth `itemize` entry

1. First `enumerate` entry

## Examples

**Itemize and Enumerate Environments**

- First `itemize` entry
- Second `itemize` entry
- Third `itemize` entry
  - First `itemize` subentry
  - Second `itemize` subentry
- Fourth `itemize` entry

1. First enumerate entry
2. Second enumerate entry

## Examples

**Itemize and Enumerate Environments**

- First `itemize` entry
- Second `itemize` entry
- Third `itemize` entry
  - First `itemize` subentry
  - Second `itemize` subentry
- Fourth `itemize` entry

1. First `enumerate` entry
2. Second `enumerate` entry
3. Third `enumerate` entry

# Examples

**Itemize and Enumerate Environments**

- First `itemize` entry
- Second `itemize` entry
- Third `itemize` entry
  - First `itemize` subentry
  - Second `itemize` subentry
- Fourth `itemize` entry

1. First enumerate entry
2. Second enumerate entry
3. Third enumerate entry
   1. First enumerate subentry

## Examples

**Itemize and Enumerate Environments**

- First `itemize` entry
- Second `itemize` entry
- Third `itemize` entry
    - First `itemize` subentry
    - Second `itemize` subentry
- Fourth `itemize` entry

1. First `enumerate` entry
2. Second `enumerate` entry
3. Third `enumerate` entry
    1. First `enumerate` subentry
    2. Second `enumerate` subentry

## Examples

**Itemize and Enumerate Environments**

- First `itemize` entry
- Second `itemize` entry
- Third `itemize` entry
  - First `itemize` subentry
  - Second `itemize` subentry
- Fourth `itemize` entry

1. First enumerate entry
2. Second enumerate entry
3. Third enumerate entry
   1. First enumerate subentry
   2. Second enumerate subentry
4. Fourth enumerate entry

## Examples
**Description Environment**

Per default, the labels of the description environment are right aligned, as shown in the two examples below:

First: First description entry

Second: Second description entry

First: First description entry

Second: Second description entry

We also provide a command for left-aligned description labels:

First:    First description entry

Second: Second description entry

# Examples

**Boxes**

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**The header of a `block`**

The body of a `block`

**The header of a `beamerboxesrounded`**

The body of a `beamerboxesrounded`

# Examples

**Boxes**

**The header of a `block`**

The body of a `block`

**The header of an `exampleblock`**

The body of an `exampleblock`

**The header of a `beamerboxesrounded`**

The body of a `beamerboxesrounded`

# Examples

**Boxes**

**The header of a `block`**

The body of a `block`

**The header of an `exampleblock`**

The body of an `exampleblock`

**The header of an `alertbox`**

The body of an `alertbox`

**The header of a `beamerboxesrounded`**

The body of a `beamerboxesrounded`

## Examples

**Boxes cont'd**

### The header of a `block`

The body of a `block`

## Examples
**Boxes cont'd**

**The header of another** `block`

The body of another `block`

**The header of an** `exampleblock`

The body of an `exampleblock`

# Examples
**Boxes cont'd**

**The header of another `block`**

The body of another `block`

**The header of an `alertbox`**

The body of an `alertbox`

**The header of an `exampleblock`**

The body of an `exampleblock`

# Examples

**Theorems and Proofs**

### Theorem

*There exists an infinite set.*

# Examples

**Theorems and Proofs**

### Theorem

*There exists an infinite set.*

### Proof.

This follows from the axiom of infinity. □

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**Theorems and Proofs**

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### Theorem

*There exists an infinite set.*

### Proof.

This follows from the axiom of infinity.                                    □

### Example (Natural Numbers)

The set of natural numbers is infinite.

## Customize the Titlepage

- How to change the position of the wafer image.
- When should I use the PNG version of the wafer image on the title page?

## Backup Slides

■ Describe how to use backup slides.

# **FAQ**
**Basics**

- Where did you get the color composition for this theme from?
- Why don't we use the standard LATEX beamer template provided by ETH Zurich?[2]

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[2]https://www1.ethz.ch/hk/docs/corporate_design/buero

# FAQ
**Collaborations**

- Describe how to create title pages for collaborations.