

# C++ Essentials: Templates

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Klaus Iglberger  
November 1st, 2024

C++ Essentials: Templates

# 1. Introduction

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# Content

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1. Introduction of the Trainer
2. Content of the Training
3. Schedule
4. Miscellaneous
5. Guidelines
6. Programming Tasks

# Introduction of the Trainer

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C++ Trainer/Consultant since 2016

Author of “C++ Software Design”

(Co-)Organizer of the Munich C++ user group

(Co-)Chair of the Software Design at CppCon

Regular presenter at C++ conferences



**Klaus Iglberger**

# Content of this Training

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1. Introduction
2. C++ Templates
3. Literature

# Schedule

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Friday, November, 1st, 2024 (EDT time zone)

<b><i>10:00 - 10:10</i></b>	<b><i>Introduction</i></b>
<b><i>10:10 - 11:00</i></b>	<b><i>Understanding Function Templates</i></b>
<b><i>11:00 - 11:10</i></b>	<b><i>Break</i></b>
<b><i>11:10 - 12:00</i></b>	<b><i>Advanced/Variadic Function Templates</i></b>
<b><i>12:00 - 12:10</i></b>	<b><i>Break</i></b>
<b><i>12:10 - 1:00</i></b>	<b><i>Class Templates</i></b>
<b><i>1:00 - 1:10</i></b>	<b><i>Break</i></b>
<b><i>1:10 - 2:00</i></b>	<b><i>Class Template Specialization</i></b>

# Miscellaneous

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I assume you have some experience with C++. If something remains unclear or somewhat vague, **please ask!**

# Miscellaneous

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Also remember: **You are in control!**



# Guidelines

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**(Core) Guideline: ...**

The green boxes represent ...

- ... the most important take-aways;
- ... common idioms and best practice;
- ... markers in the slides.

# Programming Tasks

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**Task (Subchapter/Name): ...**

The yellow boxes represent ...

- ... hands-on programming tasks;
- ... links to the provided source code examples.

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