

C++ Essentials: Templates

Klaus Iglberger
June 20th, 2025

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1. Introduction

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Content

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

Introduction of the Trainer

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

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

Schedule

Friday, June, 20th, 2025 (EDT time zone)

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

Miscellaneous

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

Miscellaneous

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

Guidelines

(Core) Guideline: ...

The green boxes represent ...

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

Programming Tasks

Task (Subchapter/Name): ...

The yellow boxes represent ...

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

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