

## C++ User Group - Talk #794

### Templates and Meta-Programming

2014-07-22 10:35 - Kretz, Matthias

<b>Status:</b>	Presented	<b>Start date:</b>	2014-07-22
<b>Priority:</b>	Normal	<b>Due date:</b>	2014-12-17
<b>Assignee:</b>	Pinke, Christopher	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Talk Author(s):</b>		<b>Presenter:</b>	Christopher Pinke
<b>Description</b>			
Introduction and some overview on templates and the powerful meta-programming possibilities they open up.			
<ul style="list-style-type: none"><li>• templates intro: generic containers / algorithms</li><li>• template specialization and partial specialization</li><li>• type traits</li><li>• constant expressions (constexpr)</li><li>• SFINAE and std::enable_if</li><li>• ...</li></ul>			
<b>Related issues:</b>			
Blocks Talk #660: bringing physics units to C++		<b>New</b>	<b>2014-06-02</b>
Blocks Talk #574: SFINAE, enable_if, and Concepts		<b>New</b>	<b>2014-04-30</b>

#### History

##### #1 - 2014-07-22 10:36 - Kretz, Matthias

- Blocks Talk #660: bringing physics units to C++ added

##### #2 - 2014-07-22 10:37 - Kretz, Matthias

- Blocks Talk #574: SFINAE, enable\_if, and Concepts added

##### #3 - 2014-12-05 11:00 - Kretz, Matthias

- Due date set to 2014-12-17

- Assignee set to Pinke, Christopher

##### #4 - 2015-01-26 11:46 - Kretz, Matthias

- Status changed from New to Presented

- % Done changed from 0 to 90

Christopher, please attach your slides if possible.

##### #5 - 2015-02-03 16:04 - Pinke, Christopher

- File `cppUserGroup_templates.pdf` added

- % Done changed from 90 to 100

##### #6 - 2015-02-03 16:04 - Pinke, Christopher

- Presenter set to Christopher Pinke

#### Files

<code>cppUserGroup_templates.pdf</code>	193 KB	2015-02-03	Pinke, Christopher
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