



Welcome!

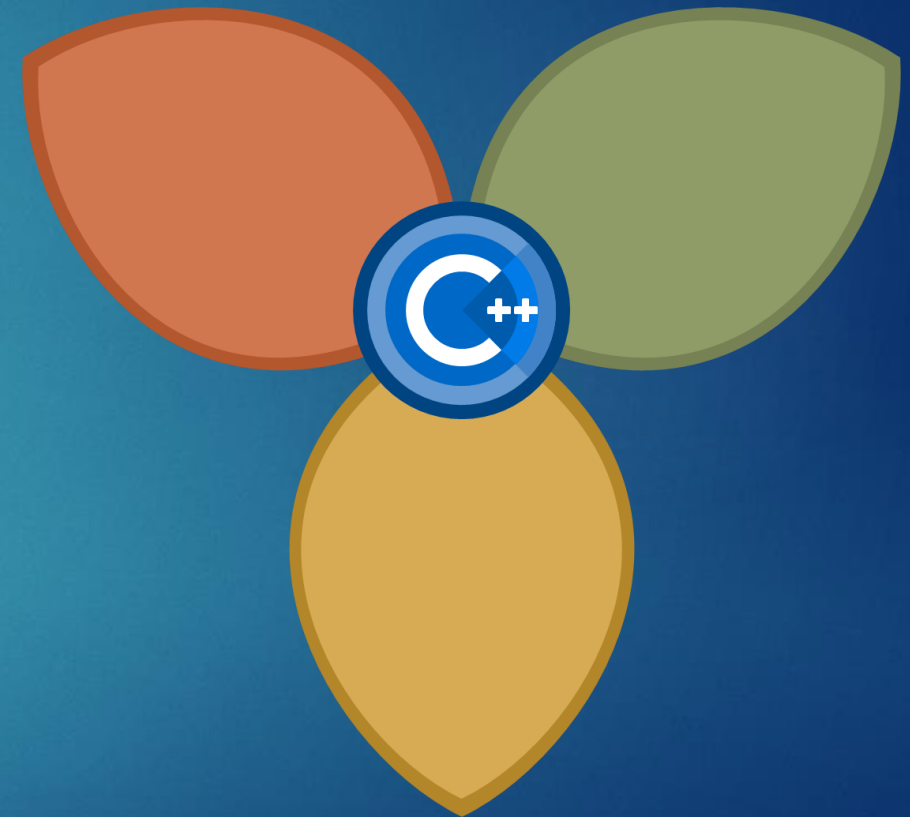
SIMD and More
2018-Mar-15





Core C++ Goals

- ▶ Diverse community
 - ▶ *Meet Your Neighbor*
 - ▶ *Who, Where, if(!dev)What?*
 - ▶ Census
- ▶ Broad range of topics
 - ▶ Prepare Lightning Talks!
- ▶ Monthly meetings
 - ▶ Carpool



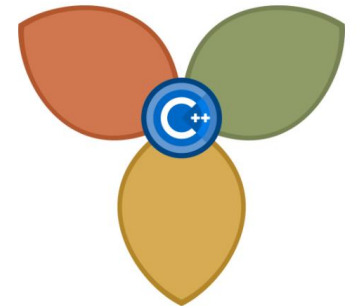
Presence

- ▶ Meetup: meetup.com/CoreCpp
- ▶ YouTube: **CoreCppIL** goo.gl/FYnqKu
- ▶ Presentations: github.com/CoreCppIL/Meetups
- ▶ Twitter: [@corecpp](https://twitter.com/corecpp) twitter.com/corecpp
- ▶ C++ Slack: [#ug_il_corecpp](https://join.slack.com/join/shared_invite/zt-1000000000-ug_il_corecpp)
- ▶ Israel::C++: facebook.com/IsraelCpp
- ▶ Adi Shavit: adishavit@gmail.com :: [@adishavit](https://twitter.com/adishavit)



Core C++ News

- ▶ 80 subs on YouTube: [CoreCppIL](#)
- ▶ 240 followers on Twitter: [@corecpp](#)
- ▶ Joint Community Sponsorship with CppCon and MeetingCpp
- ▶ Next Meetup: [Apr. 12th M.Z.](#)
- ▶ We need **Sponsors!**



cppreference.com



Get Involved!

- ▶ Give talks!
- ▶ Sponsor us
- ▶ Submit PRs
- ▶ ~~Photographer~~
- ▶ ~~Video Producer~~
- ▶ Host us

Tell your friends!
Tweet, post and
blog about us!





C++ Conferences

► Call for Submissions:

- Italian C++ Conference 2018 by **Mar. 24**
- NDC {Techtown}* 2018, by **May 1st**
- Upcoming
 - C++Now May 6-11
 - NDC {Oslo} :: Oslo
 - SOON: CppCon, MeetingCpp



Milan, Italy



Kongsberg, Norway



Oslo, Norway



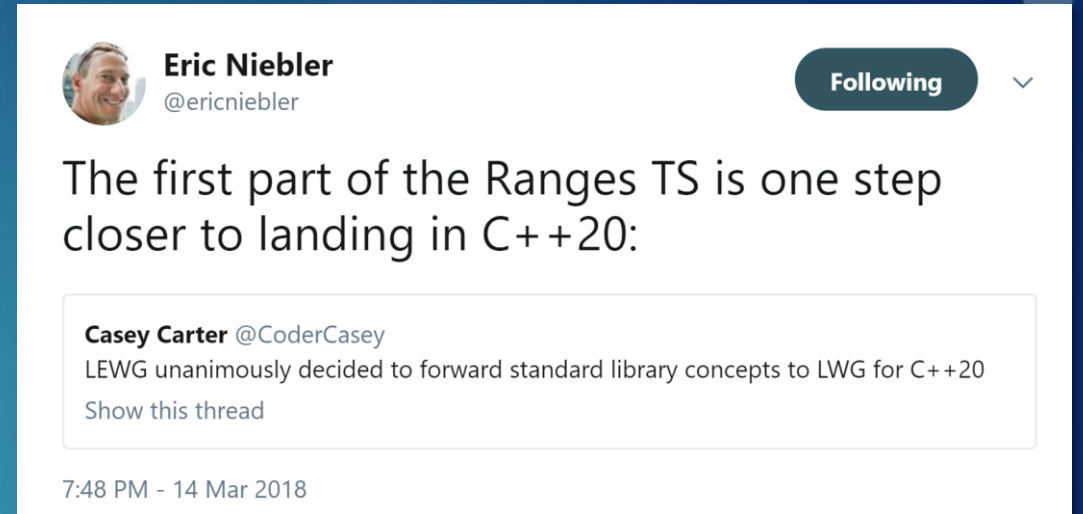
Aspen, Colorado, USA

Bochum, Germany

* Pays for travel and accommodations for unsponsored speakers!

C++ ISO News

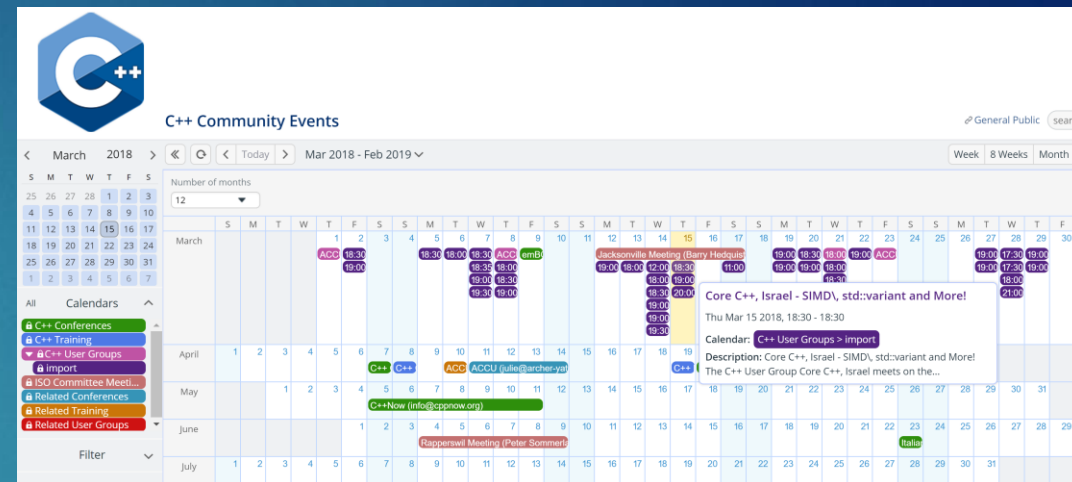
- ▶ Jacksonville is now!
 - ▶ More details next time
- ▶ Ranges and Concepts progressing towards C++20
- ▶ ISO C++ survey results



Programming Static Reflection **Syntax** Overload Resolution Enum Layer
Iterators Testing **Dependency Management**
Frustrating **Standard** Little **Compile** Unicode **Code**
Template Metaprogramming **Library** Start **Std** Faster
Package Manager Equivalent **Concepts** Designated Initializers
Values Typedef **Header Files** Default



Fresh C++ Links



▶ C++ Community Calendar

▶ Link: teamup.com/kserbups66uis3d8j6

▶ C++ 17 features

▶ Article: www.viva64.com/en/b/0533/

▶ How `if constexpr` Simplifies Your Code in C++17

▶ Meeting C++ blog post: goo.gl/WAVxUa

▶ String's Competing Constructors

▶ Andrzej's C++ blog: wp.me/p1tkks-2sP

▶ What Happens to Your Static Variables at the Start of the Program?

▶ Link: www.bfilipek.com/2018/02/staticvars.html

Our Sponsors

J.P.Morgan





Agenda

19:00 :: Updates and News

19:10 :: C4GC, Yair Friedman

19:20 :: Introduction to SIMD, Greg Ravikovich

20:05 :: *break*

20:10 :: The Salami Method, Adi Shavit