



# Welcome!

Lightning Storm  
2018-June-28

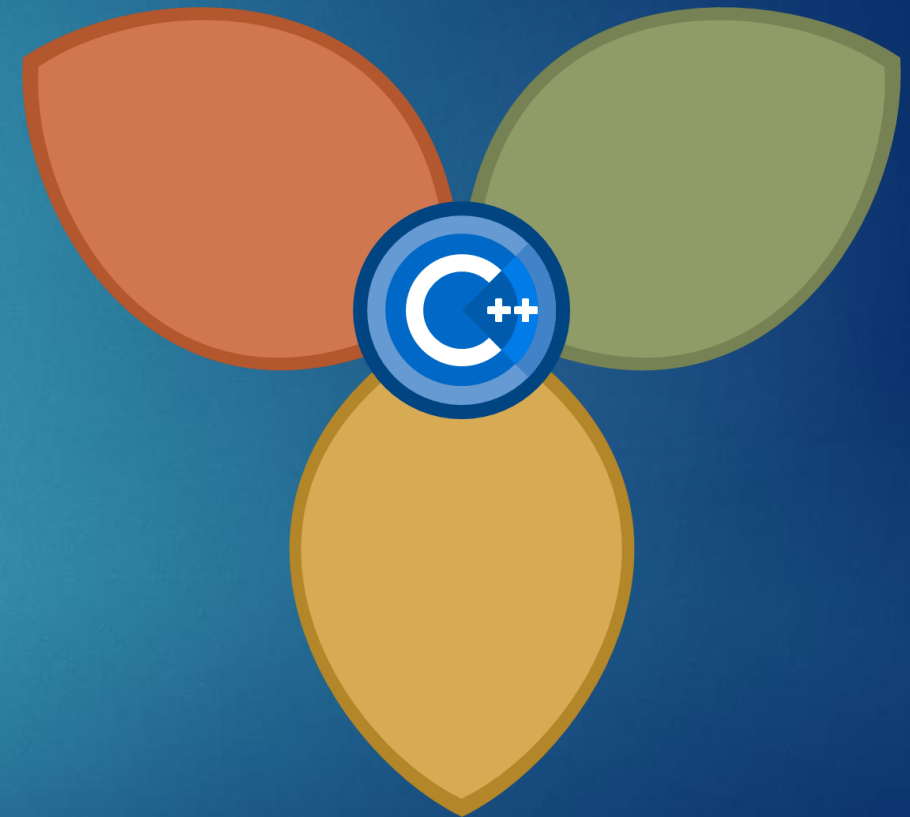
VIII





# Core C++ Goals

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





# Core C++ News

▶ Subs  112,  376,  412

▶ **Core Sea++ TLV!**

▶ July 3<sup>rd</sup> TLV

▶ Joint Event **Haifa::C++**



▶ Sponsored by JFrog

▶ Then:

▶ July 17<sup>th</sup> Mod. Cool the Heat with Cool C++



# Presence

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

- ▶ Meetup: [meetup.com/CoreCpp](https://www.meetup.com/CoreCpp)
- ▶ YouTube: [CoreCpplL goo.gl/FYnqKu](https://www.youtube.com/channel/UCg00glFYnqKu)
- ▶ Presentations: [github.com/CoreCppIL/Meetups](https://github.com/CoreCppIL/Meetups)
- ▶ Twitter: [@corecpp](https://twitter.com/corecpp) [twitter.com/corecpp](https://twitter.com/corecpp)
- ▶ C++ Slack: [#ug\\_il\\_corecpp](https://www.slack.com/join/shared_invite/zt-1000000000-ug_il_corecpp)
- ▶ Facebook: <https://www.facebook.com/corecpp/>
- ▶ Israel::C++: [facebook.com/IsraelCpp](https://www.facebook.com/IsraelCpp)



# C++ Conferences

## ▶ Call for Submissions:

▶ code::dive, by *June 30*

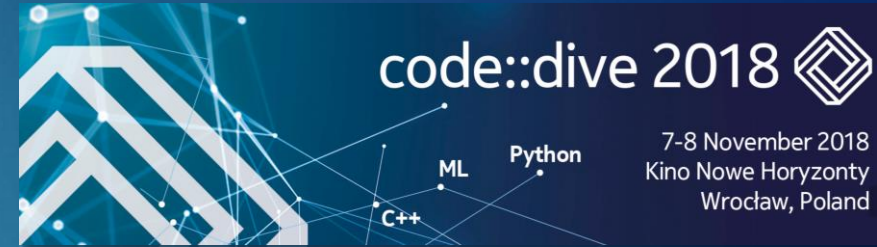
▶ C++ on Sea\*, *July 31*

## ▶ Upcoming

▶ NDC { Techtown }\* :: Norway

▶ CppCon\*:: Bellevue, Washington, USA

▶ Meeting C++, Berlin, Germany



Wroclaw, Poland



Bjarne Stroustrup



Kate Gregory



Kongsberg, Norway



Bellevue, Washington, USA



Folkestone, Kent, UK

\* Pays for travel and accommodations for unsponsored speakers!



# C++ ISO News

- ▶ Rapperswil, Switzerland C++20 Highlights:
  - ▶ Ranges
  - ▶ Contracts
  - ▶ Class types in non-type template parameters
  - ▶ And many many more:

- ▶ Multiple trip reports:

<https://isocpp.org/search/google?q=Trip+Report+Rapperswil>

<https://www.reddit.com/r/cpp/comments/8prqzm/>

# Fresh C++ Links

► C++Now Video are online

► Link: [bit.ly/2tFI5na](https://bit.ly/2tFI5na)

C++ now 2018 MAY 7-11 cppnow.org

Ben Deane

Easy to Use,  
Hard to Misuse  
Declarative Style in C++

### RANGES: EXAMPLE N

```
std::mt19937 gen(std::random_device{}());
auto rsvps = rsvp_json // json is a valid range
| view::remove_if([](auto&& elem) {
    return "yes" != elem.at("response"); }) // filter out non-"yes" RSVP responses
| view::transform([](auto&& elem) {
    return elem["member"]["name"].dump(); }) // keep name as string
| ranges::to_vector // convert lazy range to vector
| action::shuffle(gen); // random shuffle vector elements
```

From <https://github.com/CoreCppIL/raffle>

76/122

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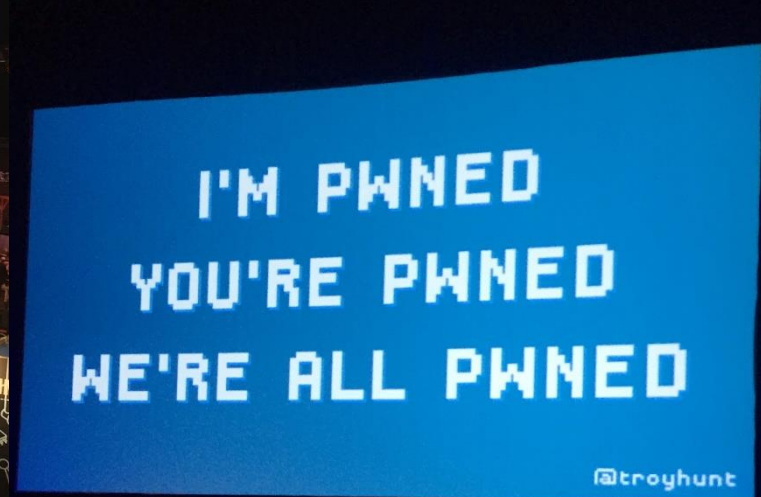
► Easy to Use, Hard to Misuse: Declarative Style in C++

► Ben Deane "Best Presentation" award: [buff.ly/2lcJxcI](https://buff.ly/2lcJxcI)

# Our Sponsors







# Agenda

19:00 :: Updates, News, Trip Report

19:30 :: Lightning Storm!

20:30 :: *break*

20:35 :: Concurrency and the C++ Memory Model

Pavel Yosifovich

