

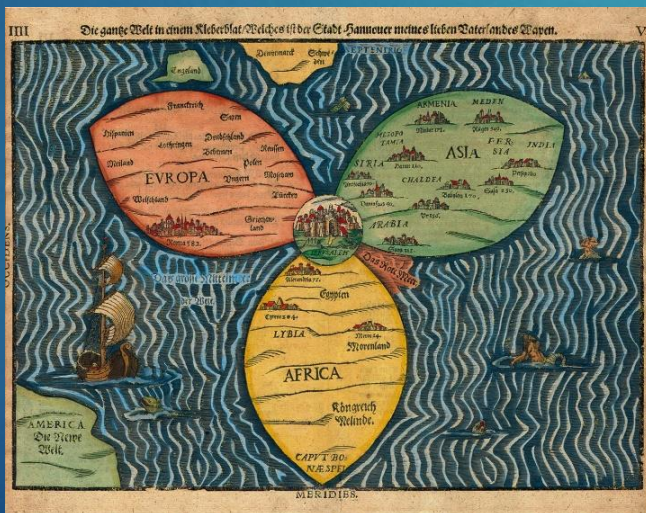
Welcome!

Core Sea++ TLV

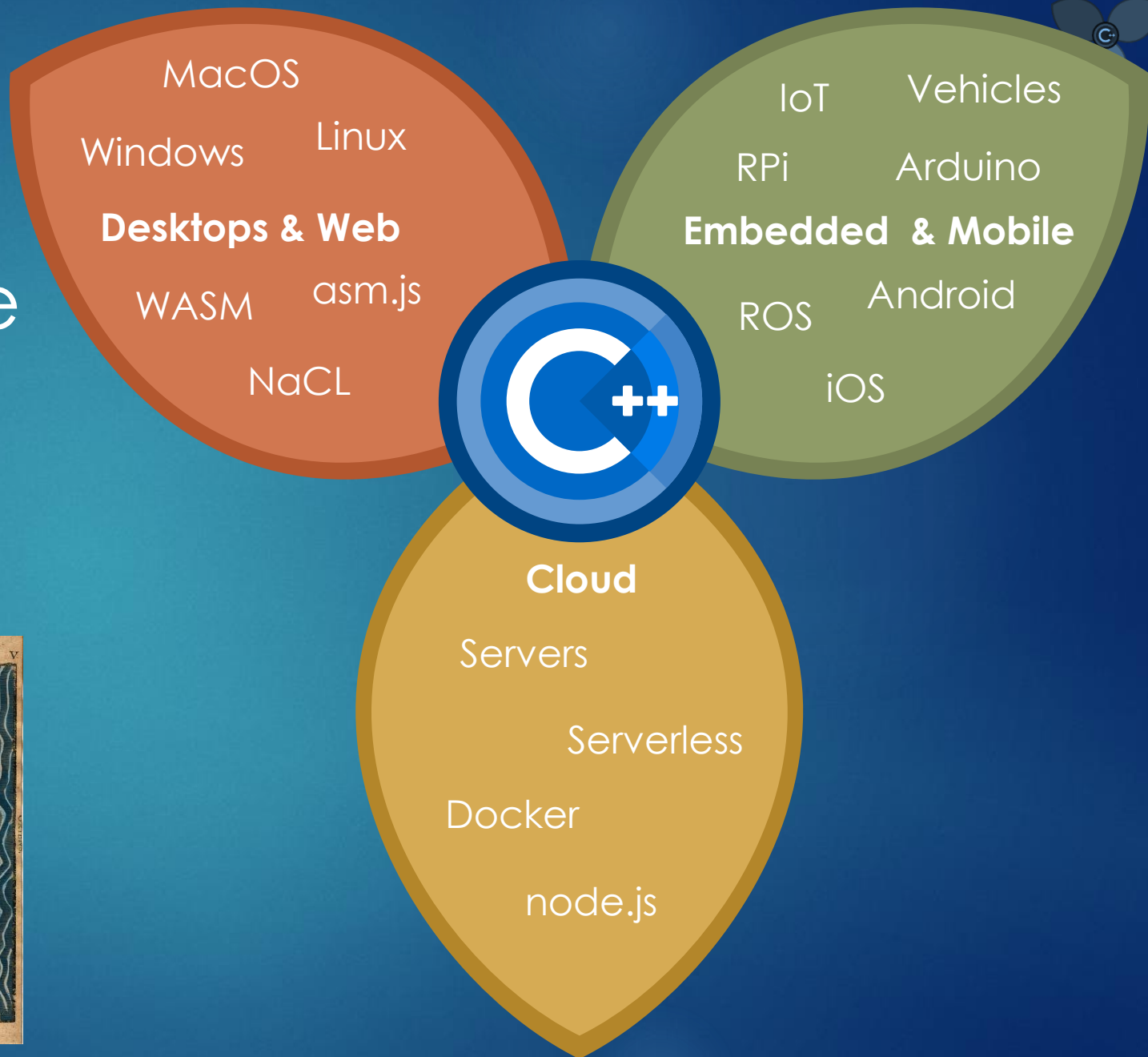


Core C++

- ▶ Core Infrastructure
- ▶ Core Developers
- ▶ Core of Israel



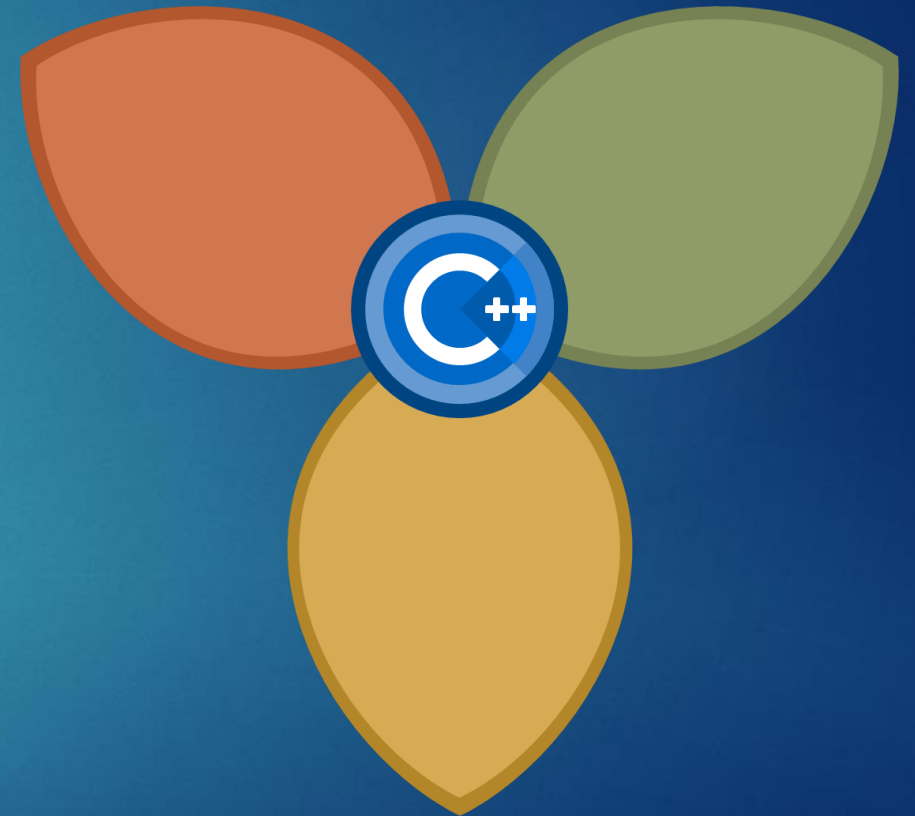
1581 mappa mundi





Core C++ Goals

- ▶ Local community
- ▶ JLM → • ← TLV :: → Haifa ←
- ▶ Diverse community
- ▶ Focus on C++
- ▶ Broad range of topics
- ▶ Beginner *and* Expert Levels
- ▶ Monthly meetings
- ▶ C++ Slack [#ug_il_corecpp](#)





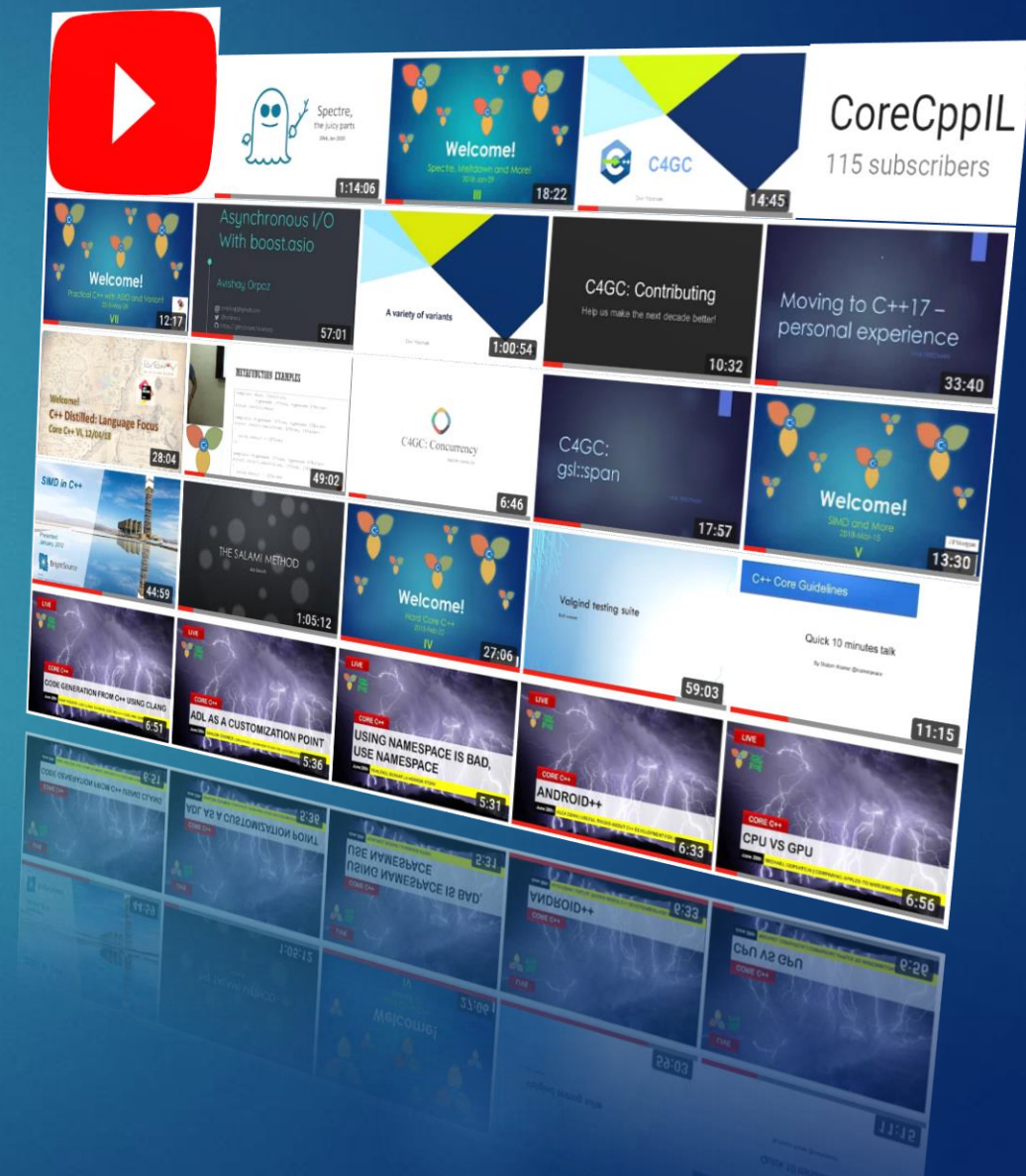
Talks and Topics

- ▶ All Levels: Intro → Expert
- ▶ From lightning to full-length
 - ▶ Tutorials, architecture, tips & techniques, algorithms, graphics, embedded, concurrency, parallelism, libraries, open-source, performance, testing, trip-reports, horror-stories, tools, corners...
 - ▶ **CCCCGC** or **C4GC**:
 - ▶ The **C**ore **C++** **C++** **C**ore **G**uidelines **C**orner
- ▶ News and updates



Up to Now

- ▶ Kick-Off Nov. 2017
- ▶ 8 monthly meetups
- ▶ 36 talks
- ▶ Subs  115,  385,  428
- ▶ Code of Conduct
 - ▶ berlincodeofconduct.org





Core C++ News

▶ Cool the Heat with Cool C++

▶ July 17th Moddiin

▶ Core C++ @ TLV

▶ August 16th TLV





Stretch Goals

- ✓▶ Video / Streaming
- ✓▶ International Guests
- ✓▶ Collaborations with **Haifa::C++**
- ✓▶ Joint projects
- *▶ Distributed meetups:
 - ▶ SwedenCpp
 - ▶ Core C++ Chapters
 - ▶ Core C++ Conference!

github.com/CoreCppIL

The screenshot shows the GitHub profile page for 'The Core C++ User Group'. The profile header includes the group's logo (a stylized 'C' with three leaves) and the name 'The Core C++ User Group'. Below the header, there are statistics: 1 Repository, 1 Person, 0 Teams, and 0 Projects. A search bar for repositories is visible, along with filters for 'Type: All' and 'Language: All'. The main content area displays a repository named 'raffle' with a description: 'Fetches the names of all RSVP members of a meetup event and randomly chooses The Raffle Winner.' The repository has 1 star, 1 fork, and is licensed under BSD-3-Clause. It was updated 25 days ago. The repository tags include 'meetup', 'cpp', 'raffle', 'meetup-api', 'user-group', and 'usergroups'.

Presence

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

- ▶ Meetup: [meetup.com/CoreCpp](https://www.meetup.com/CoreCpp) | [meetup.com/haifa-cpp](https://www.meetup.com/haifa-cpp)
- ▶ YouTube: **CoreCppIL** [goo.gl/FYnqKu](https://www.youtube.com/watch?v=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)
- ▶ Facebook: <https://www.facebook.com/corecpp/>
- ▶ Israel::C++: [facebook.com/IsraelCpp](https://www.facebook.com/IsraelCpp)





Get Involved!

- ▶ Give talks!
- ▶ C4GC
- ▶ Web dev.
- ▶ Sponsor us



C++ Conferences

▶ Call for Submissions:

▶ C++ on Sea*, *July 31*

▶ Upcoming

▶ NDC { Techtown }* :: Norway

▶ CppCon* :: Bellevue, Washington, USA

▶ code::dive :: Poland

▶ Meeting C++ :: Berlin, Germany



15th - 17th November

Berlin, Germany



Wroclaw, Poland



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

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

► Ben Deane “Best Presentation” award buff.ly/2lcJxcI

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/CoreCpplL/raffle>

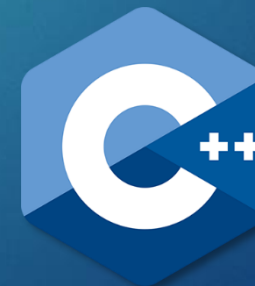
76/122

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Getting News

- ▶ CppCast: Best Podcast
- ▶ Cpp.chat: Podcast/Video
- ▶ C++ Weekly YouTube
- ▶ Meeting C++: Weekly blogroll
- ▶ Join C++ Slack! cpplang.now.sh
- ▶ ISO C++: isocpp.org
- ▶ Twitter, /r/cpp



Sponsors



Agenda

- ▶ 18:00 :: Welcome words
- ▶ 18:10 :: Choosing Your Parallel Computing Strategy,
Dori Exterman
- ▶ 18:55 :: Practical Introduction to Conan C/C++ Package Manager,
Diego Rodriguez-Losada Gonzalez
- ▶ 19:40 :: *break*
- ▶ 19:55 :: Investigating C++ Apps in Production on Linux & Windows
Sasha Goldshtein





Core C++



Haifa::C++



Core Sea++ TLV

July 3 2018, InterContinental David Tel Aviv