

Core C++ Goals

→Diverse community
→Broad range of topics
→Monthly meetings





















Share your blog posts

- Retweet/post from group's account
- Post to Facebook page



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Call For Action

• Give talks!

- 30min 1h full talk
- 10-15-5min lightening talk (Core Guidelines, any other subject)
- Share interesting posts for "news" section
- Photos/Videos
- Sponsor us! Host us





ALL IS ILLUMINATED





Next Meetup **28 May (Mon)** Modiin ShellTech

https://isocpp.org/wiki/faq/conferences-worldwide/

- Next time...
 - ACCU, 11-14/Apr, Bristol UK
- Register:
 - <u>C++now</u>, 6-11/May, Aspen (Colorado US). Program is online
 - <u>NDC Oslo</u>, 11-15/Jun -
- <u>Submit</u>:
 - <u>NDC TechTown</u>, 27-30/Aug, Kongsberg (Norway) will pay your flight + hotel*
 - <u>CppCon</u>, 23-29/Sep, Bellevue (near Seattle) pays too*
 - <u>code:dive</u>, 7-8/Nov, Wroclaw, Poland free registration
 - Meeting C++, 15-17/Nov, Berlin [soon]
- Later:
 - Italian C++, 23/Jun, Milan

C++ Conferences

Developing Talk Ideas



Jon Kalb

2018-04-09

comments, how to

As a conference organizer, I'm always in speaker recruitment mode. Engaging presentations are the life blood of conferences and stimulate the most important part of a conference-the attendee discussion outside of scheduled sessions.

I don't know what to talk about.

http://slashslash.info/2018/04/talk_ideas/

Jacksonville ISO C++ Meeting

- span
- [[no_unique_address]]

```
struct Empty {}; // empty class
struct X {
    int i;
    [[no_unique_address]] Empty e;
};
```

- typename (sometimes)
- [[likely]] and [[unlikely]]
- <chrono> to support calendars and time zones

SG15 (Tooling): 1st meeting

SG16 (Unicode) new study group

Major Features

Feature	Status	Depends On	Current Target (Conservative Estimate)	Current Target (Optimistic Estimate)
Concepts	Concepts TS v1 published and merged into IS		C++20	C++20
Ranges	Ranges TS v1 published	Concepts	Core in C++20 and rest in C++23	C++20
Contracts	Proposal		C++23	C++20
Modules	Modules TS v1 published		C++23	C++20
Coroutines	Coroutines TS v1 published		C++23	C++20
Executors	Proposal		TS in C++20 timeframe and IS in C++23	C++20
Networking	Networking TS v1 published	Executors	C++23	C++20
New future and async	Concurrency TS v1 published	Executors	C++23	C++20
Reflection	TS working paper		TS in C++23 timeframe and IS in C++26	TS in C++20 timeframe and IS in C++23

<u>Herb</u> <u>Sutter</u>

C++ IS schedule

2017.2 – Toronto	First meeting of C++20		
2017.3 – Albuquerque	Trute front load "hig" language features including ones with bread library impact		
2018.1 – Jacksonville	Try to front-load "big" language features including ones with broad library impact (incl. try to merge TSes here)		
2018.2 – Rapperswil			
	EWG: Last meeting for new C++20 language proposals we haven't seen before		
2018.3 – San Diego	EWG \rightarrow LEWG: Last meeting to approve C++20 features needing library response		
	LEWG: Focus on progressing papers on how to react to new language features		
2019.1 – Kona	$^* \rightarrow$ CWG,LWG: Last meeting to send proposals to wording review (incl. TS merges)		
2019.1 - Kolla	C++20 design is feature-complete		
	CWG+LWG: Complete CD wording		
2019.2 – Cologne	EWG+LEWG: Working on C++23 features + CWG/LWG design clarification questions		
	C++20 draft wording is feature complete, start CD ballot		
2019.3 – Belfast	Belfast CD ballot comment resolution		
2020.1 – TBD	CD ballot comment resolution		
2020.1 - 100	C++20 technically finalized, start DIS ballot		

C++ News

- FLIP 23/Jul: 1st IL conference on λ (submissions open)
- bit.ly/CppCastSurvey



(((Jon Kalb))) @_JonKalb · Mar 27 \sim If you listen to CppCast, you should respond. If you don't listen to CppCast, you should. #CppCast #Cpp

- https://blogs.msdn.microsoft.com/oldnewthing/20180328-00/?p=98365 (about atomics and memcpy)
- https://abseil.io/tips/142

(multiparameter constructors and 'explicit')



RSVP in the Meetup page now to enter the license draw





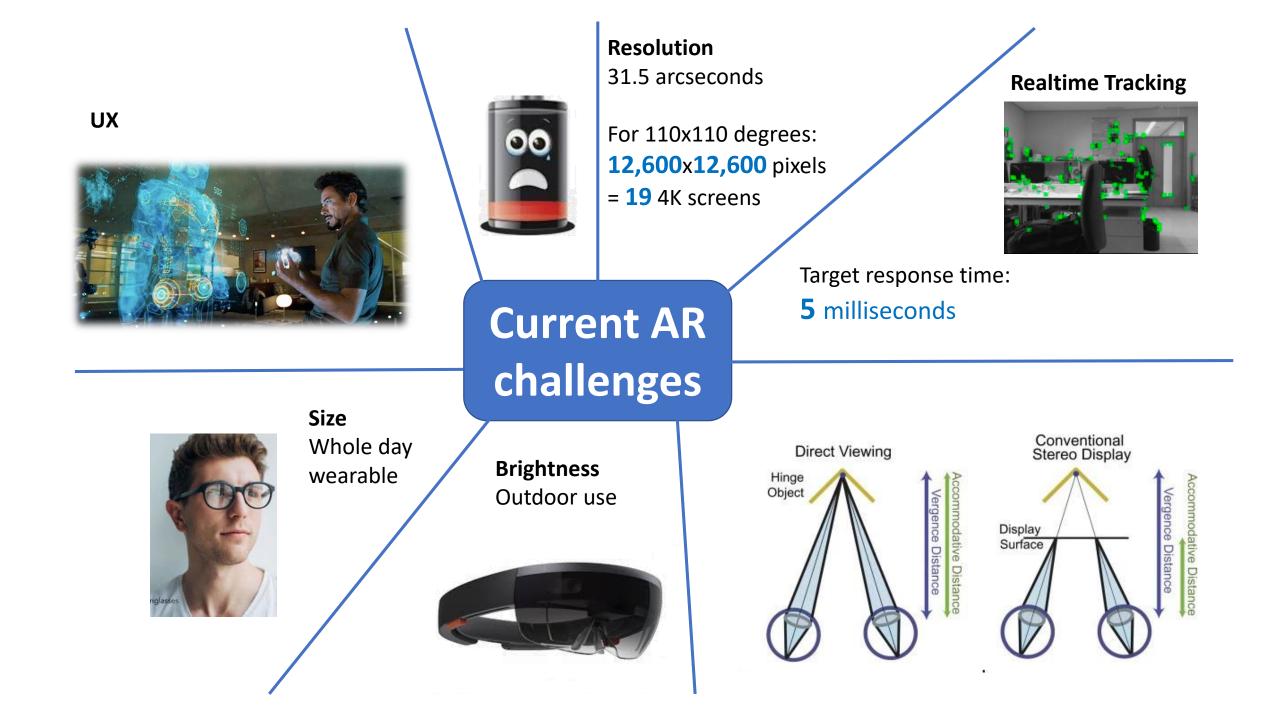




Mission statement:

Photorealistic wearable Augmented Reality experience.







GPU TECHNOLOGY CONFERENCE Trip Report

• By 📀 NVIDIA.

- 4 days, 1 pre-conference training day, expo, posters
- Annual conference: San Jose / Munich / Taiwan / Israel / Washington DC / Japan
- 8.5K participants

990 sessions

- AI ~350
- Automotive ~115
- Graphics, rendering ~140
- GPU programming/tools/languages ~200

DGX Station

- Personal Supercomputer
- 500 Tflops
- 20,480 CUDA cores
- 2,560 Tensor cores



E/NRIDE

SELF-DRIVING TRANSPORT VEHICLE

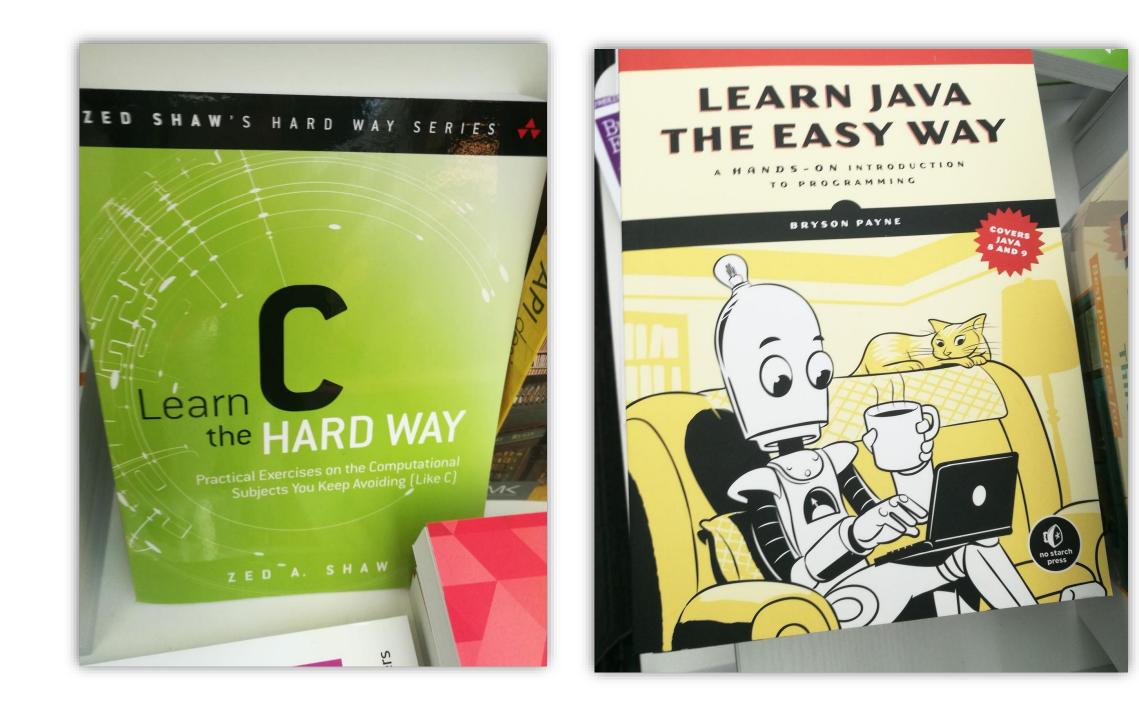
DO NOT TOUCH



Real Time Ray Tracing (RTX)

VR/AR





Agenda

- GTC Trip Report V
- C4GC: Concurrency (Dima Danilov)
- Moving to C++17: personal experience (Yair Friedman)

>
- Template Metaprogramming is Fun (Sasha Goldshtein)



Dima Danilov

Dima Danilov is a Sr. SW Engineer at LiveU and a longterm C++ enthusiast. He has ~10 years experience in software development in various fields such as embedded, video, application performance management and traffic capture/analysis. Dima is a die-hard fan of flying squirrels.

Yair Friedman

Yair is a secure software professional at Intel Jerusalem. He is also modern C++ evangelist and have been coding in C++ for 27 years. Yair is also a Monty Python fan and always expects the Spanish inquisition.

Sasha Goldshtein

Sasha Goldshtein is the CTO of Sela Group, a Microsoft MVP and Regional Director, and an international consultant and trainer. Sasha contributes to numerous open source projects around Linux and Windows performance and diagnostics, delivers C++ 11/14/17 training courses, and helps customers diagnose hard issues in production systems. Sasha is a frequent conference speaker and blogger.

5 Min

-5 Min

