

# C++Now and CppCon The View From Inside

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C++Now 2019

Source: <https://docs.google.com/presentation/d/1fAOhNvVK9xnHMbsdSK6NlncHP5D-pCr9ahfC3q8dkIY/edit#slide=id.p>

# Contents

- Audience and Philosophy
- What the C++Now and CppCon are.  
Brief history, purpose, and difference.
- How to attend CppCon and get money for that.
- How to attend C++Now and CppCon for free or partially for free.
- How to avoid the expenses for the conference ticket, hotel, flight, pre-conf- and post-conf-classes.
- How certain parts of the conferences work. Roles, tools, how one can participate and what it gives.
- Future of C++Now and CppCon.
- Annual timeline of CppCon and C++Now. When to do what.

# Contents

## ***Bonus Topics***

- How speakers can make their talk(s) available not only in the talk's language but in other languages also, and thus to become more visible around the world.
- In which companies one needs to work to be sent to C++Now and CppCon.
- What one needs to do to be sent by the employer to the conferences.
- What the employers might want to know before sending their employees to the conferences.

## Audience and Philosophy

- Those who have not yet attended these conferences
- Those who will be watching this video
- Those for whom the money is the blocking issue

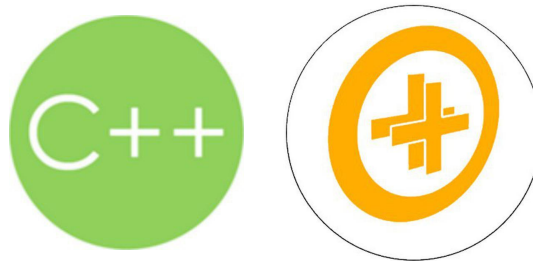
# Audience and Philosophy

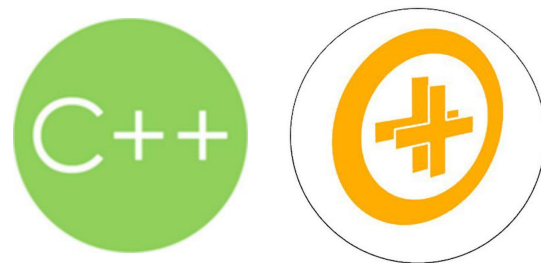
## Costs:

- The conference registration.
- Hotel/Lodging.
- Travel.
- Time away from work.
- Optional classes, ISO SG 14, field trip, banquet.
- For some: US visa.

# Audience and Philosophy

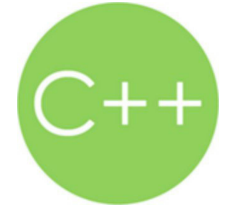
## *The Cheapest Ways to Participate in C++Now and CppCon*





What the C++Now and CppCon are.  
Brief history, purpose, and difference

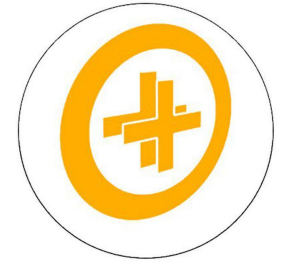
What the C++Now and CppCon are.  
Brief history, purpose, and difference



- 2007: BoostCon by by the Boost Library community
- Aspen Center for Physics in Aspen, CO
- Dave Abrahams, the conference's founder and first Conference Chair
- 2012: C++Now
- $\leq$  140 people



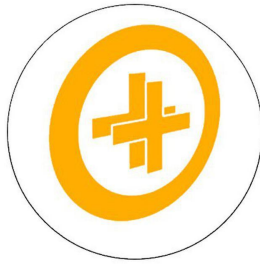
What the C++Now and CppCon are.  
Brief history, purpose, and difference



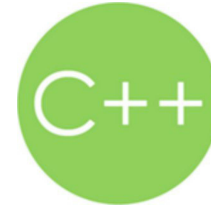
- Standard C++ Foundation  
(<https://isocpp.org/about>)
- Large mainstream C++ conference
- 2014: CppCon. Bellevue WA
- 2018: 1200+ attendees
- 2019: Aurora CO. ~1500+ attendees

# What the C++Now and CppCon are.

Brief history, purpose, and difference

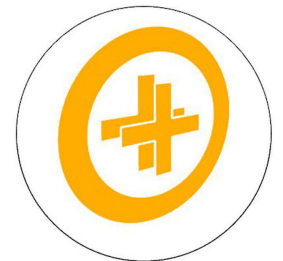


- Mainstream
- Any level
- Classes
- Posters
- Exhibitors



- Library experts
- Intimate, relaxed atmosphere
- More cutting-edge topics

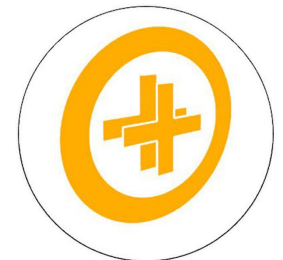
How to visit CppCon  
and get money for that



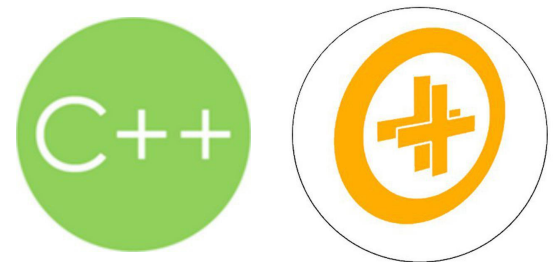
How to visit CppCon and get money for that

# Classes

- Class
- [Talk]
- Honorarium
- Conference registration
- Lodging: 3 (Class) | 9 (Class + Talk)
- Travel
- “Meet the Speakers” banquet

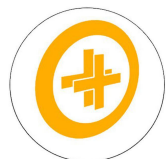


# How to visit the C++Now and CppCon for free or partially for free



How to visit the C++Now and CppCon for free or partially for free

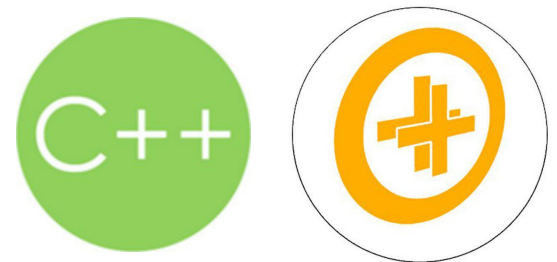
 Invited (Keynote) Speaker

 Invited (Plenary) Speaker  
Main Program Speaker

- Talk
- Conference Registration
- Lodging
- Travel
- “Meet the Speakers” banquet



How to avoid the expenses  
for the conference ticket, hotel,  
flight, classes



# How to avoid other expenses



## Volunteering



- Volunteer Job
- Conference Registration
- Classes with Discount 
- Lodging
- Travel
- Other Benefits



CppCon 2019 Call for Volunteers is open!

<https://cppcon.org/2019call-for-volunteers/>



How to avoid other expenses



## **Reducing the Conference Registration Cost at CppCon**

- Full-Time Student: \$150.
- Non-Profit Academic or Researcher.
- Early Bird.

<https://cppcon.org/registration/>

## How to avoid other expenses

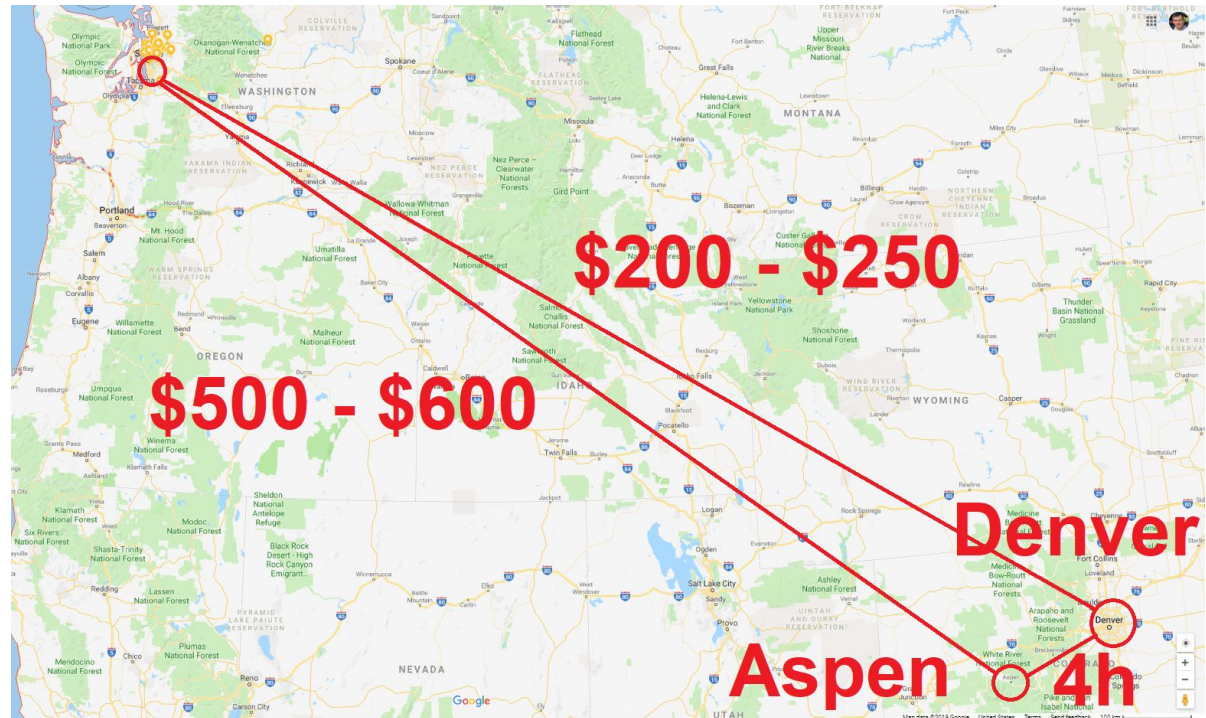


### Minimizing Hotel Expenses

- Conference Official Hotel(s)
- Room Sharing
  - <https://cppcon.org/lodging/sharing@cppnow.org>
  - <http://cppnow.org/location/lodging/lodging@cppcon.org>
- Staying with Friends
  - My Experience
- Staying in Some Other Hotel

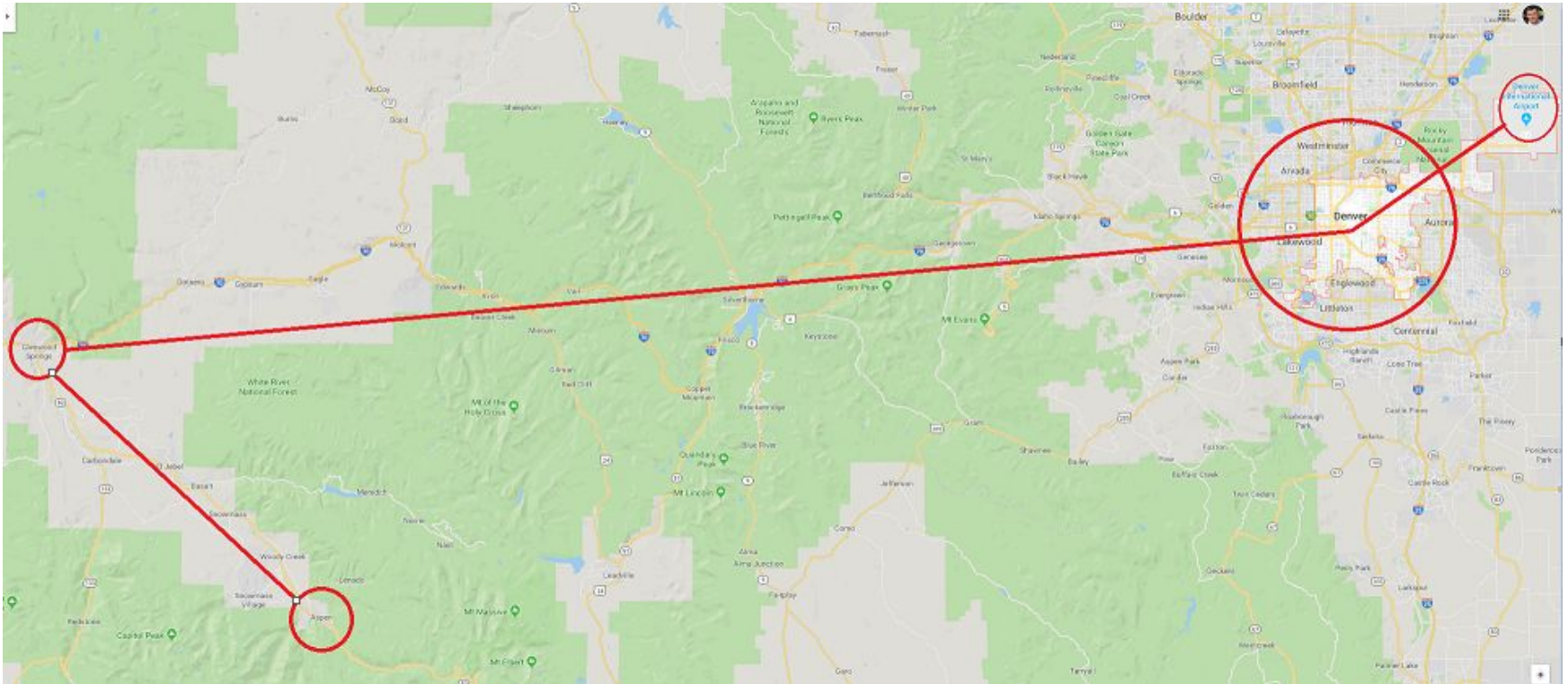
# How to avoid other expenses

## C++ Minimizing the Travel Expenses



# How to avoid other expenses

## C++ Minimizing Travel Expenses



# How to avoid other expenses



## Minimizing Travel Expenses



### Transportation

Aspen is a compact town, and the [conference venue](#) and [hotel](#) are within walking distance of downtown shops and restaurants. However, for other transportation needs, there are several options.

#### Public Transportation

Aspen's bus system is provided by the Roaring Fork Transportation Authority (RFTA) and serves routes throughout the town. The bus service within town is free. [View maps and schedules](#) at the RFTA website.

#### Aspen Meadows Shuttle

The [conference hotel](#) provides a convenient, free shuttle into town that runs from 7 AM to 11 PM daily.

#### Ride Sharing

Some attendees elect to carpool from Denver (or other locations) to the conference location, and back, reducing costs and making friends along the way! Check the up-to-date [carpool requests and availability](#) document for listings. To make a request, or volunteer carpooling services, email [sharing@cppnow.org](mailto:sharing@cppnow.org).

#### Bike Rental

A bike is available in Aspen. This system requires that you download an app to your smart phone and provide a credit card for security, but the first thirty minutes of every ride is free. Thirty minutes is usually enough for a trip anywhere in Aspen. The town of Aspen subsidizes this service to reduce parking in downtown Aspen.

Date	Time	Needs/Gives a ride	From (location)	Contacts and Notes
Sun 2018.05.06	After 09:05am	Needs a ride	DEN (Denver Int Airport)	Contacts: Robin Kuzmin, kuzmin.robin@gmail.com Slack and Telegram: @kuzmin_robin, https://t.me/kuzmin_robin 1 415 254 0078 (mobile) Arrival: 09:05am. Flight: Southwest 2495 from Seattle.
Sun 2018.05.06	3:35:00 PM	Gives a Ride	DEN (Denver Int Airport)	Contacts: Peter Bindels, peterbindels@gmail.com Slack: @pbindels +316 26656552 Arrival: 15:35. Flight: LH446 Frankfurt-Denver Passengers: Giel van Schijndel
Sun 2018.05.06	10:00	Gives a Ride	DEN (Denver Int Airport)	Contacts: John Fultz, fultz@wolfram.com Slack: @John Fultz 1 217 979 7299 Arrival: 9:55am. Flight: Southwest 2796 Passengers: 1. Robin Kuzmin, kuzmin.robin@gmail.com, @kuzmin_robin, 1 415 254 0078 (mobile)
Sun 2018.05.06	Between 9 and 10 am	Gives a Ride	DEN or other location in the area	Contacts: Daniel Dits, ditsman@gmail.com Slack: @? 719-452-8147 Arrival: Whenever necessary, as I am driving from Colorado Springs
Sun 2018.05.06	3:00 PM	Gives a Ride	DEN (Denver Int Airport)	Contacts: Michael Klose, cppnow@klose.us Phone: +1 408 646 8564 Arrival: 2:43 PM (from San Jose). Flight: F8 595 Passengers: Just me, but can take up to 4
Sun 2018.05.06	12:00 PM	Gives a Ride	DEN (Denver Int Airport)	Contacts: Alan Talbot, network@alantabot.com 603-359-7040 Arrival: 11:00 AM. Flight: SW 2234 Passengers:
Sun 2018.05.06	Ideally in time for registration for the conf, but flexible	Needs a ride	DEN (Centennial area specifically, but I can travel to a pickup point)	Contacts: Alan Shen, sunzenshen@gmail.com Slack: @AlanS Twitter: @sunzenshen 3033287340 (text first so I can add to whitelist) Found a ride? Yes, with Daniel Dits Does not need ride back from Aspen to Denver

<http://cppnow.org/location/transportation/>



How to avoid other expenses



## **Minimizing Travel Expenses**

- Buy flight ticket 10 - 14 days before

# How to avoid other expenses

## Special Case

rkis bar C++ Russia 2019 ...

organized by the C++ community for the community. You will enjoy inspirational talks and a friendly atmosphere designed to help attendees learn from each other, meet interesting people, and generally have a stimulating experience.

This year, the conference is taking place at our new home at the Gaylord Rockies Hotel and Convention Center in Aurora, Colorado, very near Denver International Airport. The venue is brand new and we'll have lots more space, but we'll still have all the events which you've come to know and love, including multiple diverse tracks. The conference will appeal to anyone from C++ novices to experts.

**C++ RUSSIA**

**COMPILER EXPLORER**

Конференция C++ Russia  
Санкт-Петербург  
19-21 апреля 2018

27 лучших докладчиков 1250 статей информации для опытных разработчиков

**Эффективный C++  
(Маерс тут ни при чём :))**

Андрей Карпов

Андрей Карпов, Cand.Sc. (Physics and Mathematics), CTO at OOO "Program Verification Systems". Андрей has developed resource intensive parallel applications for simulation of gen-dynamic processes and visualization of large data sets. At present, he develops specialized static code analyzer PVS-Studio designed for building effective and efficient resource intensive applications. Андрей is the author of a great number of articles on various aspects of writing safe, reliable and parallel code in C++. He is also a Visual C++ MVP. These are some of the most interesting articles written by Андрей:

- The Ultimate Question of Programming, Reflecting, and Everything
- The Fall within the Compilation Duration
- 27000 Errors in the Linux Operating System
- Why it is important to check what the malloc function returned

Андрей Карпов к.ф.-м.н., технический директор компании ООО «Системы программной верификации». Имеет практический опыт разработки ресурсоемких параллельных приложений в области численного моделирования и визуализации процессов и визуализации больших объемов данных. На данный момент занят в создании специализированного статического анализатора кода PVS-Studio, способного находить ошибки безопасности, переполнения, утечки памяти.

Advanced and Modern C++ Pro  
Nicolai Josuttis

Applied "constexpr": Doing More  
Turner

C++11/14 for C++03 Developer

Concurrency with Modern C++

Building C++ Code with CMake

Exploiting Modern C++ with M...

ppCast

chat

cppreference.com

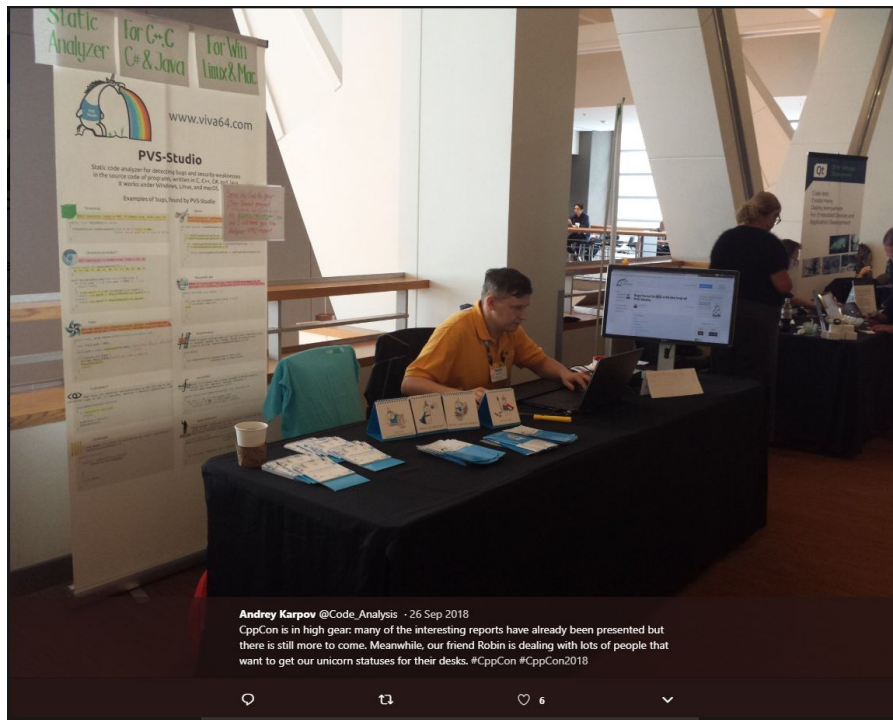
Cprogramming.com

#include <C++>

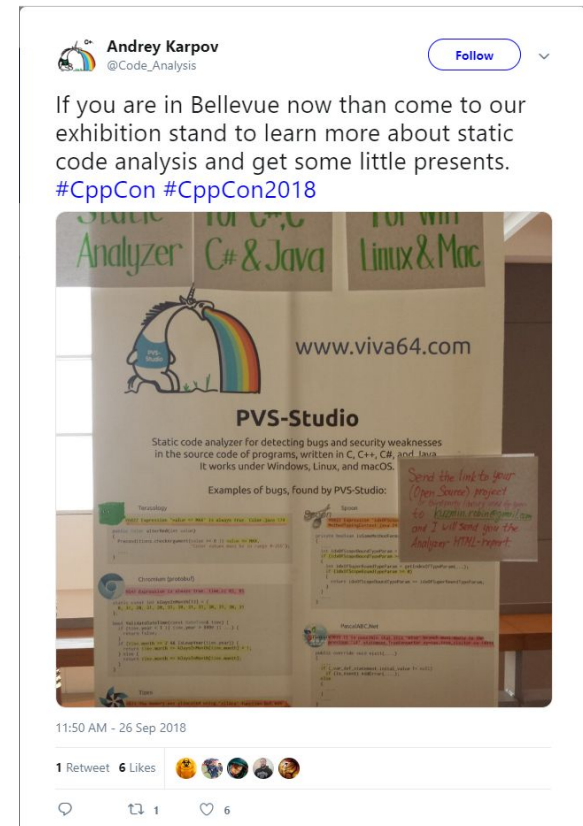


# How to avoid other expenses

## Special Case



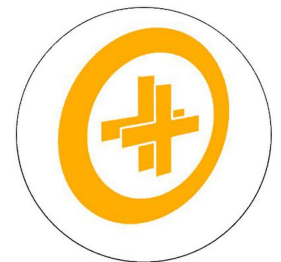
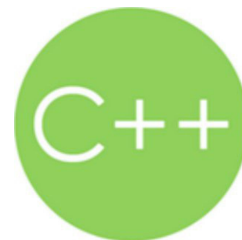
[https://twitter.com/Code\\_Analysis/status/1045022267065946113](https://twitter.com/Code_Analysis/status/1045022267065946113)  
[https://twitter.com/Code\\_Analysis/status/1045022703919484938](https://twitter.com/Code_Analysis/status/1045022703919484938)





How certain parts  
of the conferences work.

Roles, tools,  
how one can participate  
and what it gives



# Behind the Curtains



## Tools

**cppcon** the c++ conference  
SEPTEMBER 15-20 2019  
Aurora, Colorado, USA

about news venue program archive registration

### Main Program Submissions

**Submissions for CppCon 2019**

CppCon is organized by the C++ community for the community and so we invite the community to present.

**Who Should Submit?**

You. If you have something interesting to share with the C++ community then please consider presenting. Our goal is to create the best program that we can and we feel that there must be room for both seasoned presenters and new voices.

**Topics**

We are open to any topic that will be of interest to a mainstream C++ audience. Below are some ideas.

- C++14/17/20
- C++ libraries and frameworks of general interest
- ISO standardization proposals
- Parallelism/multi-processing
- Concepts and generic programming
- Functional programming
- High performance computing
- Software development tools, techniques, and processes for C++
- Practical experiences using C++ in real-world applications
- Industry-specific perspectives: mobile and embedded systems, game development, high performance trading, scientific programming, robotics, etc.

**Audience**

**133**  
DAYS REMAINING

**Attendee quote**

*"Go there. Be there. Absorb every minute of it."*

**Attendee Video**

CppCon 2018 Pr...

**Follow CppCon**

Follow CppCon on social media: RSS, GitHub, YouTube, SoundCloud, Twitch, Facebook, LinkedIn.

**Presented by**

# Behind the Curtains



## Tools

The image shows a screenshot of a web browser displaying the CppCon 2019 website and a Django administration interface. The website header features the CppCon logo and the text "the c++ conference SEPTEMBER 15-20 2019". The main content area is titled "Main Program" and includes sections for "Submissions for CppCon", "Who Should Submit", "Topics", and "Audience". The Django administration interface is overlaid on the website, showing a "Sessions" page with a table of sessions. The table has columns for "ID" and "Name for listing".

ID	Name for listing
974	[++][1] Kuzmin: "C++Now and CppCon, the View From In"
967	[+A][2] Dougherty: "Experiences in Teaching Modern C++"
968	[+A][3] O'Dwyer: "Trivially Relocatable"
969	[+][4] Turner: "Great C++ is trivial"
970	[+A][5] Fleming: "An Alternate Smart Pointer Hierarchy"
971	[+][6] Fleming: "Arenas and Services: a Framework for"
972	[+A][7] Jusiak: "Rise of the State Machines"
973	[+A][8] Bay: "Property-Based Declarative Container"
975	[+A][9] Norberg: "The ABI challenge"
976	[+A][10] McGuinness: "The Impact of Compilers, O/Ses and"
977	[+A][11] Hoekstra: "Algorithm Innovation"
978	[++][12] Dusiková: "Compile Time Regular Expressions w/"
979	[+A][13] Menekide: "The Plan for Tomorrow: Extension Po"
980	[+A][14] Jusiak: "Dependency Injection - a 25-dollar"
981	[+A][15] Szalay: "The Rough Road Towards Upgrading t"
983	[+A][16] Ruoso: "Clang Automated Refactoring for eve"
984	[+A][17] Puszt: "Implementing Physical Units Library"

# Behind the Curtains



## Tools

**Main Program**

Submissions for CppNow2019

Who Should Submit

Topics

Audience

**Current Status of Reviewing**

To change a decision on a submission, click on the decision column for this submission. You can change decisions for several submissions simultaneously by selecting them. To select or unselect a set of submissions, either click on the corresponding rows, or press the mouse button and move the mouse over table rows.

To change decisions for submissions based on their scores click on "Change decisions" in the upper right corner.

To see reviews on a paper click on the paper title.

The scores are followed by the confidence (in parentheses).

For more information about this page, click on Help.

Shortcuts to papers: 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

☒ Untick this box to hide shortcuts to papers

☒ Show paper authors.

☐ When computing the average score, weight reviews by reviewers' confidence.

#	authors, title	scores	average	decision
58	Jeff Garland: <a href="#">Using C++20 Ranges Effectively</a>	3(4), 3(3), 3(4), 3(5), 3(3)	3.0	ACCEPT
12	Hana Duslikova: <a href="#">Compile Time Regular Expressions with Deterministic Finite Automaton</a>	3(3), 2(3), 3(2), 3(3)	2.8	ACCEPT
13	Jeanhuy Hendide: <a href="#">The Plan for Tomorrow: Extension Points in C++ Applications</a>	2(4), 3(4), 3(4), 3(2)	2.8	ACCEPT
30	Lin Lippert: <a href="#">The Truth of a Proposition</a>	2(4), 3(5), 3(4), 3(5), 3(4)	2.8	ACCEPT
41	David Sankel: <a href="#">The C++ Satisfiability TS</a>	3(5), 3(4), 3(4), 2(3)	2.8	ACCEPT
44	Bob Steagall: <a href="#">A Multithreaded, Transaction-Based Read/Write Locking Strategy for Containers</a>	3(4), 3(2), 3(4), 2(4)	2.8	ACCEPT
53	Michael Park: <a href="#">Pattern Matching: Match Me If You Can</a>	3(4), 3(4), 2(2), 3(5), 3(5), 3(4)	2.8	ACCEPT
40	Galper Adman: <a href="#">Points of Order</a>	2(4), 3(5), 3(4), 2(5), 3(5)	2.6	ACCEPT
33	John Lakos: <a href="#">Move Semantics Versus Local ("Arena") Memory Allocators</a>	3(5), 3(4), 2(3), 2(4), 2(4)	2.4	ACCEPT
40	Hevin Uber: <a href="#">The Many Variants of std::variant</a>	3(3), 3(5), 1(3), 2(3), 3(4)	2.4	ACCEPT
3	Arthur O'Dwyer: <a href="#">Trivially Reallocates</a>	2(5), 3(5), 3(5), 2(4), 2(5), 3(4), 2(4)	2.3	ACCEPT
19	Timur Doumer: <a href="#">Better C++ for C++20</a>	2(2), 2(3), 3(5), 3(5), 2(4), 2(3), 2(4)	2.3	ACCEPT
37	David Holman: <a href="#">The Ongoing Saga of ISO-C++ Executors</a>	2(4), 3(2), 2(3), 3(4), 2(4), 2(2), 2(4)	2.3	ACCEPT
51	Odin Holmes: <a href="#">Tech DSL all the Things</a>	2(3), 3(4), 2(2)	2.3	ACCEPT
61	Michael Calise: <a href="#">Embedded Domain Specific Languages for Embedded Bare Metal Projects</a>	3(4), 2(5), 2(4)	2.3	ACCEPT
9	Arvid Norberg: <a href="#">The ABI challenge</a>	2(4), 2(3), 2(3), 3(2)	2.2	accept?

**Explanations of the decisions**

decision	explanation	papers
ACCEPT	accept	43
accept?	probably accept	6
	no decision	0
reject?	probably reject	3
REJECT	reject	9

**Presented by**

# Behind the Curtains



## Tools

The collage features several overlapping browser windows and website sections related to CppCon 2019:

- CppCon 2019 Main Page:** Displays the event title, dates (September 15-20), and a list of topics including C++14/17/20, C++ libraries and frameworks, ISO standardization, Parallelism/multi-processor, Concepts and generic programming, Functional programming, High performance computing, Software development, Practical experiences, and Industry-specific presentations (trading, scientific programming).
- Django administration:** A screenshot of a web application interface for managing sessions, showing a table with columns for ID, Name for list, and a list of sessions.
- Current Status of Reviewing:** A screenshot showing the status of submissions, including a list of papers and their authors.
- Session Schedule:** A screenshot showing a list of sessions with their titles, times, and speakers. Sessions include "Concepts: The Future of Generic Programming", "C++ Dependency Management", "The C++ Execution Model", "How to Teach C++ and Influence a Generation", "Concepts and Contracts: When, What, and How", "Text Formatting For a Future Range-Based Standard Library", "Book Signing: Herb Sutter", "Trainers Panel I", "Book Signing: Scott Meyers", "Modern C++ Design (part 1 of 2)", "C++ Function Templates: How Do They Really Work?", "Contract Programming in C++(20) (part 1 of 2)", "Crafting Embedded Domain-Specific Language (EDSL) in C++ using Metaprogramming, Operator Overloading, and Lambda Expressions", and "Secure Coding Best Practices: Your First Line Is The Last Line Of Defense (part 1 of 2)".
- Sponsors:** A list of sponsors including Bloomberg, ciere, HSA Foundation, intel, KDAB, Microsoft, Morgan Stanley, ansatz, and Registration Sponsors.
- Explanations of the decisions:** A table showing the results of the review process.

decision	explanation	papers
ACCEPT	accept	43
accept?	probably accept	6
	no decision	0
reject?	probably reject	3
REJECT	reject	9



# Behind the Curtains



## Tools

**Main Program**

Submissions for CppCon

Who Should Submit

Topics

Audience

**Current Status of Reviewing**

ID	Name for list
974	[++][1] Kuzn
967	[+A][2] Doug
968	[+A][3] O'Dw
969	[+][4] Turner
970	[+A][5] Flem
971	[+][6] Fleming
972	[+A][7] Julia
973	[+A][8] Bay
975	[+A][9] Norb
976	[+A][10] McC
977	[+A][11] Hoe
978	[++][12] Dus
979	[+A][13] Mer
980	[+A][14] Jus
981	[+A][15] Szalay: "The Rough Road Towards Upgr
983	[+A][16] Ruoso: "Clang Automated Refactoring fo
984	[+A][17] Pus: "Implementing Physical Units Libr

**Register**

Field Trip: Casa Bonita / Hyperspace Arcade  
\$75.00 + \$5.12 FEE

Conference Banquet: Meet the Speaker  
\$125.00 + \$7.67 FEE

Tuition: Introduction to Conan C++ Package Manager (Pre-conference, one-day)  
\$500.00 + \$28.49 FEE

Secure Coding Best Practices: Your First Line Is The Last Line Of Defense (part 1 of 2)

# Behind the Curtains



## Roles

- Staff
  - <http://cppnow.org/about/staff/>
  - <https://cppcon.org/staff/>
- Program Committee
  - [j.mp/CppNowReviewersGuide](http://j.mp/CppNowReviewersGuide)
  - [j.mp/CppConReviewersGuide](http://j.mp/CppConReviewersGuide)

# Behind the Curtains



## Roles

- Volunteer

CppCon2018 Volunteer Grant Application:

<https://t.me/cppcon>

<https://docs.google.com/document/d/1zsbbXlkxuGVYgvmvmLLiQIzwSOoLerX0N3SxWt4Zwrk/edit>

- Volunteer Program

[http://cppnow.org/about/volunteer\\_program/](http://cppnow.org/about/volunteer_program/)

<https://cppcon.org/volunteers/>

- CppCon 2019 Call for Volunteers is On!

<https://cppcon.org/2019call-for-volunteers/>



# Behind the Curtains



## Roles

### Speaker

- Regular program talk
  - <http://cppnow.org/presenters/>
  - <https://cppcon.org/submissions/>
- Lightning talk
  - [http://cppnow.org/presenters/#lightning\\_talks](http://cppnow.org/presenters/#lightning_talks)
  - <https://cppcon.org/lightning-talk-submissions/>
- Open content talk
  - <https://cppcon.org/open-content-submissions/>

CppCon2019 Call for (regular program) Submissions  
Is ON! <https://cppcon.org/cfs2019/>

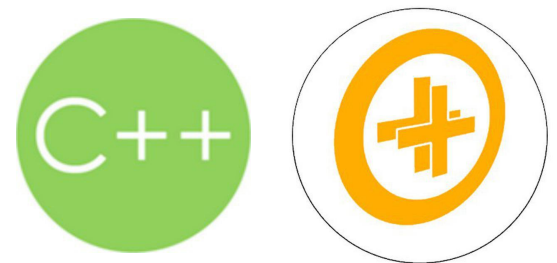
# Behind the Curtains



## Roles

- Exhibitors <https://cppcon.org/exhibiting/>
- Sponsors
  - [http://cppnow.org/about/corporate\\_sponsors/](http://cppnow.org/about/corporate_sponsors/)
  - <https://cppcon.org/sponsorship/>
  - <https://cppcon.org/sponsors/>
- Poster presenter
  - <https://cppcon.org/poster-submissions-2/>
- Tool Time presenter <https://cppcon.org/tooltime/>
- And finally a regular attendee
  - <http://cppnow.org/about/faq/#attendee-faq>

# Future of C++Now and CppCon

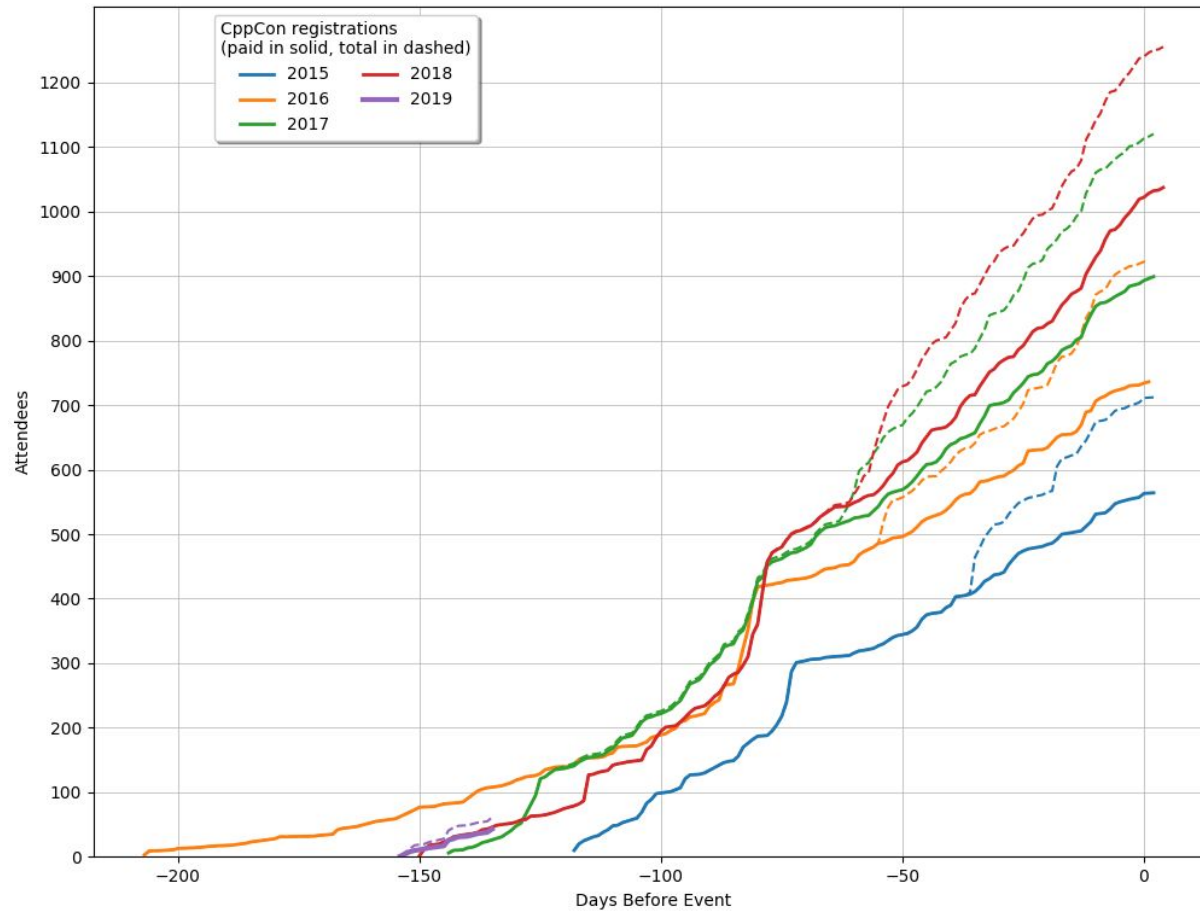


# Future

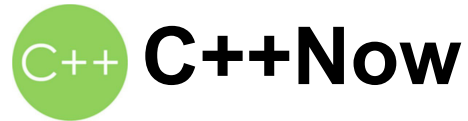


## CppCon

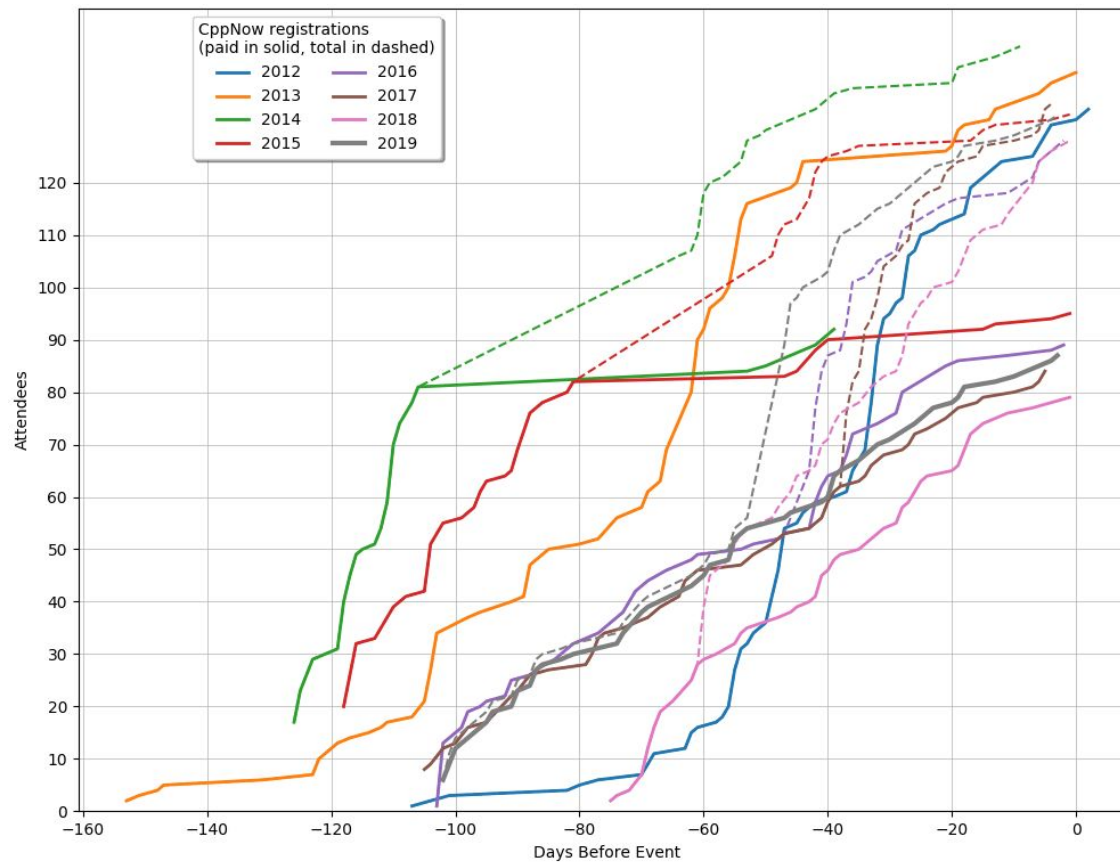
Provided by the conference registrar Yuval Hager



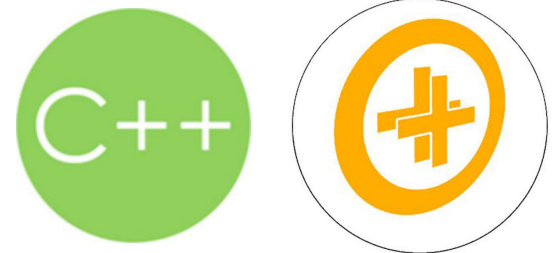
# Future



Provided by the conference registrar Yuval Hager



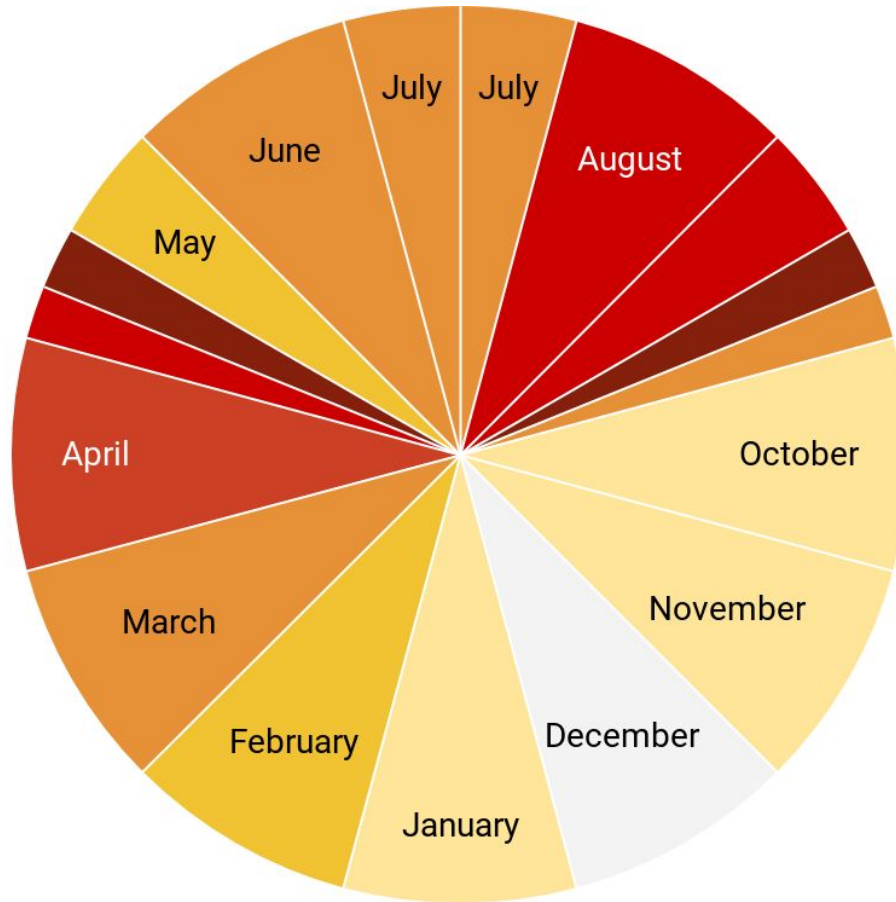
# Annual timeline of CppCon and C++Now. When to do what



# Annual Cycle



<https://cppcon.org/timeline2019/>



# Annual Cycle



<https://cppcon.org/timeline2019/>

Oct - Nov Call for Classes

20-May Presentation submission deadline

25-Jun Volunteer Grant Application Deadline

30-Jun Early bird registration ends

1-Jul Call for poster submissions

8-Jul Submission acceptance notification

15-Jul Volunteer Grant Winners Notified

29-Jul Conference program announced online

28-Jul Poster submission deadline

5-Aug Poster submission acceptance notification

11-Aug Last date for refunds.

16-Aug Last date for invoiced registrations.



# Annual Cycle



<https://cppcon.org/timeline2019/>

- 6-Sep Regular registration ends
- 14-Sep Pre-conference classes begin
- 15-Sep End of pre-conference classes  
(one-day classes meet only on this day)
- 15-Sep 8 pm Registration Reception
- 16-Sep Registration continues at 8am
- 16-Sep Main program sessions begin  
(first session starts at 8:45am)
- 17-Sep Boost Community Dinner
- 18-Sep SO SG14 meeting is held at CppCon.  
Registration for this event is separate.

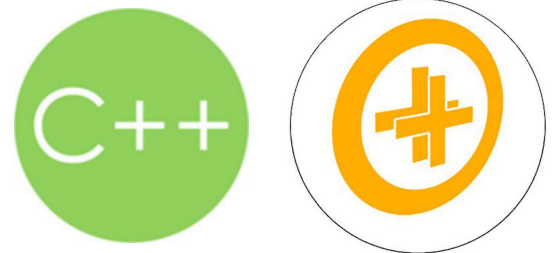
# Annual Cycle



<https://cppcon.org/timeline2019/>

- 19-Sep Meet the Speakers Banquet
- 20-Sep Last day of main program sessions
- 21-Sep Post-conference classes begin  
(one-day classes meet only on this day)
- 22-Sep Last day of post-conference classes

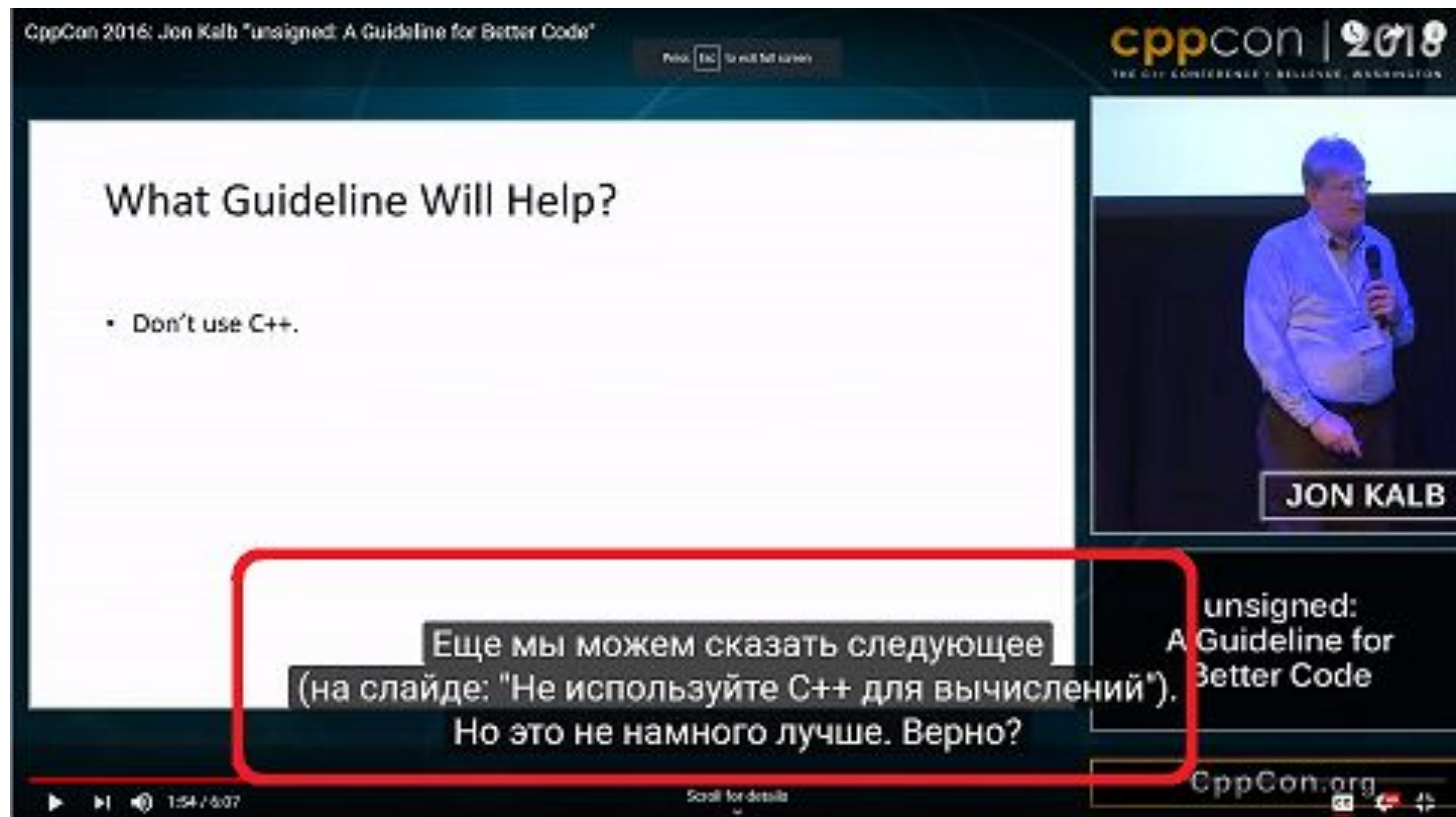
# Bonus Topics



## Bonus Topics

### Translating the Talks

<http://cppvapor.wikidot.com/>



The screenshot shows a video player interface. The main content area displays a presentation slide titled "What Guideline Will Help?" with a single bullet point: "Don't use C++." To the right of the slide is a video feed of the speaker, Jon Kalb, who is wearing a light blue shirt and holding a microphone. Below the video feed, the text "JON KALB" is visible. At the bottom of the slide, there is a red rectangular box containing Russian text: "Еще мы можем сказать следующее (на слайде: 'Не используйте C++ для вычислений'). Но это не намного лучше. Верно?". The video player controls at the bottom show a progress bar at 1:54 / 6:07, a "Scroll for details" link, and the "CppCon.org" logo.

CppCon 2016: Jon Kalb "unsigned: A Guideline for Better Code"

Full Screen

cppcon | 2019  
THE C++ CONFERENCE • BELLEVUE, WASHINGTON

What Guideline Will Help?

- Don't use C++.

JON KALB

unsigned:  
A Guideline for  
Better Code

Еще мы можем сказать следующее  
(на слайде: "Не используйте C++ для вычислений").  
Но это не намного лучше. Верно?

1:54 / 6:07

Scroll for details

CppCon.org

## Bonus Topics



## In which companies one needs to work to be sent to C++Now

C++Now2019	C++Now2018	C++Now2017
<u>Corporate emails</u> 7 @bloomberg.net 6 @quantlab.com 4 @ciere.com 4 @rockwellcollins.com 3 @esrlabs.com 2 @aurishealth.com 2 @avast.com 2 @ctrl-labs.com 2 @google.com 2 @eset.sk 2 @gugus.ca 2 @phaseone.com  <u>Personal emails</u> 39 @gmail.com 4 @hotmail.com 3 @yahoo.com  } = 139	<u>Corporate emails</u> 6 @quantlab.com 4 @bloomberg.net 2 @alteryx.com 2 @avast.com 2 @commvault.com 2 @crabel.com 2 @gmx.de 2 @google.com 2 @eset.sk 2 @jetbrains.com 2 @phaseone.com 2 @vgt.net 2 @viavisolutions.com  <u>Personal emails</u> 41 @gmail.com 3 @outlook.com  } = 132	<u>Corporate emails</u> 6 @quantlab.com 4 @bloomberg.net 4 @commvault.com 3 @eset.sk 3 @esrlabs.com 3 @jetbrains.com 3 @native-instruments.{com de} 2 @vmware.com  <u>Personal emails</u> 44 @gmail.com 2 @outlook.com  } = 140

# Bonus Topics



## In which companies one needs to work to be sent to CppCon

CppCon2018	CppCon2017	CppCon2016
<p><u>Corporate emails</u></p> <p>58 @microsoft.com 39 @google.com 28 @esri.com 23 @bloomberg.net 22 @autodesk.com 19 @fb.com 13 @lanl.gov 12 @murex.com 9 @nutoromy.com 8 @apple.com 8 @l3t.com 8 @yandex-team.ru 7 @avast.com 7 @fluke{biomedical networks}.com 7 @phaseone.com 7 @wargaming.net 6 @amazon.com 6 @ea.com 6 @bitdefender.com 6 @backtrace.io 6 @argo.ai 6 @fxcm.com 6 @oculus.com 6 @vmware.com</p> <p>} =1590</p>	<p><u>Corporate emails</u></p> <p>82 @microsoft.com 36 @google.com 26 @esri.com 19 @autodesk.com 17 @fb.com 16 @bloomberg.net 16 @wargaming.net 12 @amazon.com 11 @epochlabs.com 11 @kaspersky.com 10 @jetbrains.com 10 @yandex-team.ru 9 @avast.com 9 @phaseone.com 9 @murex.com 8 @logmein.com 8 @uber.com 7 @backtrace.io 7 @insitu.com 7 @safe.com 7 @ompartners.com</p> <p>} =1228</p>	<p><u>Corporate emails</u></p> <p>47 @microsoft.com 28 @google.com 17 @esri.com 15 @autodesk.com 13 @wargaming.net 12 @geosoft.com 12 @yandex-team.ru 11 @fb.com 10 @quantlab.com 9 @epochlabs.com 7 @blizzard.com 7 @pdtpartners.com 5 @bloomberg.net</p> <p>} = 1001</p>

## Bonus Topics

**What one needs to do to be sent by the employer to the conferences**

- Money
- HR Risks
- Behavioural and Ethical Issues
- Time Issues
- Risk of Wasting the Money

## Bonus Topics

**What one needs to do to be sent by the employer to the conferences**

- Money

Volunteer  
Give a Talk



## Bonus Topics

**What one needs to do to be sent by the employer to the conferences**

- Time

Negotiate When Being Hired  
Work Extra Hours in Advance

## Bonus Topics

**What one needs to do to be sent by the employer to the conferences**

- Other Issues

### Read the C++ Books

- <https://stackoverflow.com/a/388282/6362941>
- [https://github.com/kuzminrobin/code\\_review\\_notes/blob/master/book\\_list.md](https://github.com/kuzminrobin/code_review_notes/blob/master/book_list.md)

### Share With the Team

## Bonus Topics

**What the employers might want to know before sending their employees to the conferences**

- Encourage Reading C++ Books
- Cover Only a Part of the Expenses

## Text

Robin Kuzmin

Jon Kalb

## Images

<http://cppcon.org>

<http://cppnow.org>

<https://www.google.com/maps>

<https://www.viva64.com>

<https://2018.cppconf.ru/>

<https://cppform.cierecloud.com>

<https://easychair.org/>

<https://sched.com/>

<https://www.eventbrite.com/>

# Thank You

## Q&A

