

WG14 N2545

C Floating Point Study Group Teleconference

July 22, 2020

11:00 AM EDT, 8:00 AM PDT, 3:00 PM UTC

Join from PC, Mac, Linux, iOS or Android:

<https://iso.zoom.us/j/96556459369?pwd=d0syUkpudEZ2VGUzNjlpXVMUmtNdz09>

Password: 978002

Or iPhone one-tap :

US: +16699006833,,96556459369# or +14086380968,,96556459369#

Or Telephone:

Dial(for higher quality, dial a number based on your current location):

US: +1 669 900 6833 or +1 408 638 0968 or +1 346 248 7799 or +1 253 215 8782 or +1 646 876 9923 or +1 301 715 8592 or +1 312 626 6799 or 877 853 5247 (Toll Free)

Meeting ID: 965 5645 9369

Password: 978002

International numbers available: <https://iso.zoom.us/j/96556459369>

Or Skype for Business (Lync):

<https://iso.zoom.us/skype/96556459369>

CFP Wiki: <http://wiki.edg.com/twiki/bin/login/CFP/WebHome>

Draft Agenda

Meeting logistics

Note taker, mail out notes

Introduction of attendees

Approval of agenda

Notes from 2020-06-17 meeting

Posted on CFP wiki

Carry-over action items

Jim: Check WANT macro issue in CFP 1581.

Action items from 2020-06-17 meeting

All: Need ideas on how to convert Word to good PDF with links.

Jim: Add hex to annex draft.

Fred: Write paper saying 'const' missing in *payload.

Jim: Rewrite CFP 1643: Rnd ties away issue.

Jim+Fred: Re no prototype vs varargs prototype, find where in C where float is promoted to double.

Study group logistics

Next meeting dates: Wednesday, August 19?

C++ liaison

C/C++ compatibility for extensions floating types
Feedback on [\[Cfp-interest 1638\] C++ floating-point work](#) *David Olsen*

C2x integration

Latest C2X draft: <http://www.open-std.org/jtc1/sc22/wg14/www/docs/n2478.pdf>

also as link on CFP wiki

Part 1

Part 2

Part 3

Part 4ab

Part 5abcd

IEEE 754-2019 support

Action item details

Jim: Check WANT macro issue in CFP 1581.
Follow up on [\[Cfp-interest 1586\] Re: C2X Annex B for <math.h>](#) *Jim Thomas*

All: Need ideas on how to convert Word to good PDF with links.

Jim: Add hex to annex draft.

- [\[Cfp-interest 1684\] AI to add hex for strtod decimal in TS3 annex](#) *Jim Thomas*
 - [\[Cfp-interest 1685\] Re: AI to add hex for strtod decimal in TS3 annex](#) *Jim Thomas*

Fred: Write paper saying 'const' missing in *payload.

- [\[Cfp-interest 1655\] payload missing const](#) *Fred J. Tydeman*
 - [\[Cfp-interest 1661\] Re: payload missing const](#) *Mike Cowlishaw*
 - [\[Cfp-interest 1663\] Re: payload missing const](#) *Jim Thomas*
 - [\[Cfp-interest 1664\] Re: payload missing const](#) *Fred J. Tydeman*

Jim: Rewrite CFP 1643: Rnd ties away issue.

- [\[Cfp-interest 1653\] AI about roundTiesToAway](#) *Jim Thomas*

Jim+Fred: Re no prototype vs varargs prototype, find where in C where float is promoted to double.

- [\[Cfp-interest 1599\] promotion for binary interchange types](#) *Jim Thomas*
 - [\[Cfp-interest 1634\] Re: promotion for binary interchange types](#) *Jim Thomas*
- [\[Cfp-interest 1688\] AI about no prototype, varargs prototype, and default promotion](#) *Jim Thomas*

Other issues

Constant expressions evaluated in translation environment

- [\[Cfp-interest 1579\] Update footnote](#) *Fred J. Tydeman*
- [\[Cfp-interest 1633\] Re: Update footnote](#) *Jim Thomas*
- [\[Cfp-interest 1656\] DEC_EVAL_METHOD in footnote](#) *Fred J. Tydeman*

WANT macros for Annex F interfaces

- [\[Cfp-interest 1627\] totalorder and _WANT_ macros](#) *Fred J. Tydeman*
 - [\[Cfp-interest 1631\] Re: totalorder and _WANT_ macros](#) *Jim Thomas*
- [\[Cfp-interest 1687\] Re: totalorder and _WANT_ macros](#) *Jim Thomas*

WANT macros for decimal and math functions

- [\[Cfp-interest 1657\] decimal math functions](#) *Fred J. Tydeman*
- [\[Cfp-interest 1686\] Re: decimal math functions](#) *Jim Thomas*

intmax_t removal

- [\[Cfp-interest 1617\] intmax_t removal](#) *Jim Thomas*
 - [\[Cfp-interest 1671\] Re: intmax_t removal](#) *David Hough CFP*
- [\[Cfp-interest 1662\] Re: intmax_t removal](#) *Jim Thomas*
- [\[Cfp-interest 1665\] Re: intmax_t removal](#) *Fred J. Tydeman*
- [\[Cfp-interest 1666\] Re: intmax_t removal](#) *Jim Thomas*
- [\[Cfp-interest 1667\] Re: intmax_t removal](#) *Fred J. Tydeman*
- [\[Cfp-interest 1670\] Re: intmax_t removal](#) *Jim Thomas*
- [\[Cfp-interest 1676\] Re: intmax_t removal](#) *Fred J. Tydeman*
- [\[Cfp-interest 1680\] Re: intmax_t removal](#) *Jim Thomas*
- [\[Cfp-interest 1668\] Re: intmax_t removal](#) *Fred J. Tydeman*
- [\[Cfp-interest 1672\] Re: intmax_t removal](#) *Mike Cowlshaw*
- [\[Cfp-interest 1673\] Re: intmax_t removal](#) *Paul Zimmermann*
- [\[Cfp-interest 1669\] Re: intmax_t removal](#) *Jim Thomas*
- [\[Cfp-interest 1677\] Re: intmax_t removal](#) *Fred J. Tydeman*
- [\[Cfp-interest 1678\] Re: intmax_t removal](#) *Fred J. Tydeman*
- [\[Cfp-interest 1682\] Re: intmax_t removal](#) *Jim Thomas*
- [\[Cfp-interest 1683\] Re: intmax_t removal](#) *Fred J. Tydeman*

Triple (1,0,0)

- [\[Cfp-interest 1675\] Triple \(1,0,0\)](#) *Fred J. Tydeman*

Others?