

WG14 N3126

CFP meeting

Wednesday, May 10, 2023

8 AM PDT / 11 AM EDT / 3 PM UTC

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

<https://iso.zoom.us/j/92198090560?pwd=UnYxQTZTZGg3VmN2U3pxMm9tUXpaQT09>

Password: 949086

Or iPhone one-tap :

US: +12133388477,,92198090560# or +14086380968,,92198090560#

Or Telephone:

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

US: +1 213 338 8477 or +1 408 638 0968 or +1 669 219 2599 or +1 669 900 6833 or +1 346 248 7799 or +1 602 753 0140 or +1 720 928 9299 or +1 971 247 1195 or +1 206 337 9723 or +1 253 215 8782 or +1 646 518 9805 or +1 646 876 9923 or +1 651 372 8299 or +1 786 635 1003 or +1 267 831 0333 or +1 301 715 8592 or +1 312 626 6799 or +1 470 250 9358 or +1 470 381 2552 or 877 853 5247 (Toll Free) or 888 788 0099 (Toll Free)

Meeting ID: 921 9809 0560

Password: 949086

International numbers available: <https://iso.zoom.us/u/abiO7P1O3>

Or Skype for Business (Lync):

<https://iso.zoom.us/skype/92198090560>

Draft Agenda

Meeting logistics

Note taker, mail out notes

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

Introduction of attendees

Approval of agenda

Study group logistics

Next CFP meeting date: June 7?

Notes from 2023-03-29 meeting

Posted on CFP wiki

C++ liaison

C23 integration

C23 drafts:

[C2X working draft n3096 - April 1, 2023](#) 

[CD](#)

<http://www.open-std.org/jtc1/sc22/wg14/www/docs/n3054.pdf>

<http://www.open-std.org/jtc1/sc22/wg14/www/docs/n3047.pdf>

<http://www.open-std.org/jtc1/sc22/wg14/www/docs/n2596.pdf>

<http://www.open-std.org/jtc1/sc22/wg14/www/docs/n2573.pdf>

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

CD2 is out for NB comments until May 29. WG14 and CFP are restricted from discussing CD2 and comments about CD2 until then. CD2 related items below are italicized and will not be discussed at the meeting.

Carry-over action items

David H: Get an example for the scaled reduction functions (perhaps by asking Jason or Jim or looking into the IEEE references).

<https://754r.ucbtest.org/background/traps-and-wraps.txt>

David H: Get an example for the augmented arithmetic functions (perhaps by asking Jason or Jim or looking into the IEEE references).

Action items from 2023-02-28 meeting

Jim: Comments for CD2: Item 8: Change "unsigned and unsigned zeros" -> "unsigned zeros and"

Jim: CD2 comment for float_t/double_t re floating type vs real floating type: Add "If the types are not real floating types, the behavior is implementation-defined."

All: Consider: {FLT/DEC}_EVAL_METHOD in TS-5: Instead of allowing them to change with the #pragma FENV_FLT_EVAL_METHOD, create new macros that can change with the pragma. The existing macros give the default evaluation method, and are available for #if/#elif, while the new macros have the same value as the original macros at the beginning but can change based on the #pragma FENV_FLT_EVAL_METHOD setting and are not valid for use in #if/#elif.

Damian: Rework the carg description to say phase instead of phase angle using the spreadsheet form.

- [\[Cfp-interest 2734\] Definition of the 'carg' function](#) Damian McGuckin
 - [\[Cfp-interest 2740\] Re: Definition of the 'carg' function](#) David Hough CFP
 - [\[Cfp-interest 2741\] Re: Definition of the 'carg' function](#) Damian McGuckin
 - [\[Cfp-interest 2742\] Re: Definition of the 'carg' function](#) Damian McGuckin

Other issues

CD2 related issues

- [\[Cfp-interest 2744\] Re: comparison macros and exceptions due to conversion to the semantic type](#) Vincent Lefevre
- [\[Cfp-interest 2745\] Re: double-double OP float128_t](#) Vincent Lefevre
- [\[Cfp-interest 2746\] {FLT, DBL, LDBL}_IS_IEC_60559 macros: clarification needed](#) Vincent Lefevre
- [\[Cfp-interest 2747\] about FLT_TRUE_MIN and DBL_TRUE_MIN in 5.2.4.2.2p29 example](#) Vincent Lefevre
 - [\[Cfp-interest 2750\] Re: about FLT_TRUE_MIN and DBL_TRUE_MIN in 5.2.4.2.2p29 example](#) Vincent Lefevre
- [\[Cfp-interest 2748\] macros like DBL_MAX and FLT_EVAL_METHOD](#) Vincent Lefevre

- [\[Cfp-interest 2749\] Re: macros like DBL_MAX and FLT_EVAL_METHOD](#) Vincent Lefevre

Review TS part 4 revision

- [\[Cfp-interest 2710\] Re: post-C23 update for TS 18661-4](#) Jim Thomas

Review TS part 5 revision

- [\[Cfp-interest 2708\] TS 18661-5 revision 20230227](#) Jim Thomas
- [\[Cfp-interest 2730\] TS 18661-5 revision 20230327](#) Jim Thomas