

WG14 N2813

C Floating Point Study Group Teleconference

September 29, 2021

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/98561654897?pwd=LzBtdWd4cDRReFBGNzF1WlYwdG5NZz09>

Password: 554392

Or iPhone one-tap :

US: +16699006833,,98561654897# or +12133388477,,98561654897#

Or Telephone:

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

US: +1 669 900 6833 or +1 213 338 8477 or +1 408 638 0968 or +1 669 219 2599 or +1 253 215 8782 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 +1 470 381 2552 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 888 788 0099 (Toll Free) or 877 853 5247 (Toll Free)

Meeting ID: 985 6165 4897

Password: 554392

International numbers available: <https://iso.zoom.us/u/ac8ncvrEMB>

Or Skype for Business (Lync):

<https://iso.zoom.us/skype/98561654897>

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 2021-08-17 meeting

Posted on CFP wiki

Study group logistics

Next meeting date: Wednesday, October 13?

WG 14 meeting

- [\[Cfp-interest 2128\] Preliminary results of the WG14 \(C Standards meeting\) papers of interest to CFP](#) *Rajan Bhakta*
 - [\[Cfp-interest 2129\] Re: Preliminary results of the WG14 \(C Standards meeting\) papers of interest to CFP](#) *Mike Cowlishaw*
 - [\[Cfp-interest 2131\] Re: Preliminary results of the WG14 \(C Standards meeting\) papers of interest to CFP](#) *Jim Thomas*

C++ liaison

CFP C23 changes summary page for the C++ liaison study group

- [\[Cfp-interest 2060\] Updated C FP to CPP liaison group summary paper draft](#) *Rajan Bhakta*

C23 integration

Latest C2X drafts:

<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>

Part 1

Part 2

Part 3

Part 4ab

Part 5abcd

IEC 60559:2020 support

Carry-over action items

None

Action items from 2021-08-17 meeting

Jim: Update N2746 with CFP 2090.

- [\[Cfp-interest 2115\] AI to update proposal about C overflow and underflow definitions](#) *Jim Thomas*
 - [\[Cfp-interest 2116\] Re: AI to update proposal about C overflow and underflow definitions](#) *Damian McGuckin*
 - [\[Cfp-interest 2118\] Re: AI to update proposal about C overflow and underflow definitions](#) *Jim Thomas*
 - [\[Cfp-interest 2122\] Re: AI to update proposal about C overflow and underflow definitions](#) *Vincent Lefevre*
- [\[Cfp-interest 2133\] AI to update paper on overflow and underflow definitions](#) *Jim Thomas*

Fred: Send CFP 2094 to WG14.

Rajan: Ensure the C/C++ study group presentation sees P1467r4.

Rajan: Draft words for making freestanding support for CFP for both options in CFP2085.

Jim: Send CFP2089 as an update to N2672 barring any issues from this group.

- [\[Cfp-interest 2112\] AI about updating definition of normalized](#) *Jim Thomas*
 - [\[Cfp-interest 2113\] Re: AI about updating definition of normalized](#) *Fred J. Tydeman*
 - [\[Cfp-interest 2114\] Re: AI about updating definition of normalized](#) *Jim Thomas*
 - [\[Cfp-interest 2123\] Re: AI about updating definition of normalized](#) *Vincent Lefevre*
 - [\[Cfp-interest 2117\] Re: AI about updating definition of normalized](#) *Fred J. Tydeman*
 - [\[Cfp-interest 2119\] Re: AI about updating definition of normalized](#) *Jim Thomas*

- [\[Cfp-interest 2125\] Re: AI about updating definition of normalized](#) *Fred J. Tydeman*
- [\[Cfp-interest 2132\] AI to update paper on 5.2.4.2.2 cleanup](#) *Jim Thomas*

All: Look over CFP2096 and give feedback within 2 weeks.

- [\[Cfp-interest 2105\] Subnormals in decimal](#) *Mike Cowlshaw*
 - [\[Cfp-interest 2107\] Re: Subnormals in decimal](#) *David Hough CFP*
 - [\[Cfp-interest 2109\] Re: Subnormals in decimal](#) *Vincent Lefevre*
- [\[Cfp-interest 2111\] AI about definitions of normal and subnormal](#) *Jim Thomas*
- [\[Cfp-interest 2130\] AI about normal and subnormal classification](#) *Jim Thomas*
 - [\[Cfp-interest 2134\] Re: AI about normal and subnormal classification](#) *Jim Thomas*

Other issues

Underflow with exact subnormal

- [\[Cfp-interest 2106\] defect in ISO C about underflow with exact subnormal](#) *Vincent Lefevre*

Supernormal numbers

- [\[Cfp-interest 2108\] supernormal numbers \(was: WG14 IEEE 754-C binding meeting minutes\) 2021/08/17](#) *Vincent Lefevre*

Floating-point numbers

- [\[Cfp-interest 2110\] Double-double](#) *Fred J. Tydeman*

FP_NAN

- [\[Cfp-interest 2120\] FP_NAN, ...](#) *Fred J. Tydeman*
 - [\[Cfp-interest 2121\] Re: FP_NAN, ...](#) *Ian McIntosh*
 - [\[Cfp-interest 2124\] Re: FP_NAN, ...](#) *Vincent Lefevre*

FLT_EVAL_METHOD

- [\[Cfp-interest 2126\] Re: CFP question with FLT_EVAL_METHOD](#) *Rajan Bhakta*
 - [\[Cfp-interest 2127\] Re: CFP question with FLT_EVAL_METHOD](#) *Aaron Ballman*

Others?