

**WG14 N3375**

## **CFP meeting**

**Wednesday, October 16, 2024**

**8 AM PDT / 11 AM EDT / 3 PM UTC**

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

<https://iso.zoom.us/j/96484603357?pwd=J3y9ZuACzwdSXFjeGLV6TjJEMGttl.1>

Password: 452985

Or iPhone one-tap :

US: +19712471195,,96484603357# or +17209289299,,96484603357#

Or Telephone:

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

US: +1 971 247 1195 or +1 720 928 9299 or +1 206 337 9723 or +1 213 338 8477 or +1 253 215 8782 or +1 346 248 7799 or +1 408 638 0968 or +1 602 753 0140 or +1 669 219 2599 or +1 669 900 6833 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 +1 646 518 9805 or +1 646 876 9923 or +1 651 372 8299 or 888 788 0099 (Toll Free) or 877 853 5247 (Toll Free)

Meeting ID: 964 8460 3357

Password: 452985

International numbers available: <https://iso.zoom.us/u/acjuDVR2sV>

## **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: November 20th?

### **Notes from 2024-08-14 meeting**

- [\[Cfp-interest 3287\] JTC1/SC22/WG14/CFP 2024/09/18 Meeting minutes](#) *Jerome Coonen*

## **C Documents**


C2y drafts:

[N3301](#) 2024/07/28 Meneide, Working Draft C2y Post-June 2024

[N3299](#) 2024/07/28 Meneide, Working Draft C2y Post C23-Publication

[N3220](#) 2024/02/22 Meneide & Wiedijk, Working Draft, C2y

C23 drafts:

[N3219](#) 2024/02/22 Meneide & Wiedijk, ISO/IEC 9899:2023 DIS Draft  
C23 working draft n3149 - July 2, 2023 - For CFP review only. Do not distribute.  
[C23 CD2 - April 1, 2023](#)  
[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>

## IEEE 754 liaison

## C++ liaison

## WG14 meeting report

- [\[Cfp-interest 3289\] N3288 \(Give consistent wording for SNAN initialization\)](#) RAJAN BHAKTA
  - [\[Cfp-interest 3290\] Re: N3288 \(Give consistent wording for SNAN initialization\)](#) Jim Thomas
    - [\[Cfp-interest 3291\] Re: N3288 \(Give consistent wording for SNAN initialization\)](#) RAJAN BHAKTA
      - [\[Cfp-interest 3292\] Re: N3288 \(Give consistent wording for SNAN initialization\)](#) RAJAN BHAKTA
      - [\[Cfp-interest 3296\] Re: N3288 \(Give consistent wording for SNAN initialization\)](#) Fred J. Tydeman
        - [\[Cfp-interest 3297\] Re: N3288 \(Give consistent wording for SNAN initialization\)](#) Jim Thomas
- [\[Cfp-interest 3295\] WG14 CFP papers results part 2](#) RAJAN BHAKTA
  - [\[Cfp-interest 3299\] Re: WG14 CFP papers results part 2](#) RAJAN BHAKTA

## Carry over action items

Jerome: Identify fadd/fsub and fma "error may occur" issues and report.

## Action items from previous meeting

Jim: Update Complex suggestions (3262) for Annex G migration.

- [\[Cfp-interest 3285\] Re: Specification of complex operators](#) Jim Thomas
  - [\[Cfp-interest 3286\] Re: Specification of complex operators](#) Fred J. Tydeman

Jim: Update frexp for double double (3154) per discussion, to leave undefined result for non-model numbers, and submit the proposal to WG14.  
[N3357](#) 2024/09/23 Thomas, Proposal for C2Y - frexp and double-double

Fred: Send note to WG14 about constexper exceptional case issue.  
[SC22WG14.26779] constexper initialization seemingly can contain UB?

Fred: Send nan() email to WG14 (3259).  
[SC22WG14.26780] Can nan set errno?

David : Draft reply to WG14 re. midpoint and interpolation.

Jim: Submit to WG14 a proposal about lingering references to imaginary (3250).

[N3358](#) 2024/09/24 Thomas, Proposal for C2Y - lingering references to imaginary types

Fred: Draft a proposal for the "cannot" vs. "can not" change (3162).

All: Please send comments to Damian by Monday 30 Sept on the first of 4 sets of proposals (3247), including comments on Jim's responses (3279).

Jim: Write up a proposal for `ilogb()` and `llogb()` (3266).

## TS-4 and TS-5 revisions

### Discussion of issues

SIGFPE

- [\[Cfp-interest 3264\] SIGFPE paper](#) *Fred J. Tydeman*

fadd/fsub and fma "error may occur" issues

Treatment of error conditions

- [\[Cfp-interest 3193\] improving the language of 7.12.2 "Treatment of error conditions"](#) *Jerome Coonen*

Changes to 6.X and 7.X

- [\[Cfp-interest 3247\] C26 Complex Related Changes](#) *Damian McGuckin*
  - [\[Cfp-interest 3248\] Re: C26 Complex Related Changes](#) *Damian McGuckin*
  - [\[Cfp-interest 3249\] Re: C26 Complex Related Changes](#) *Jim Thomas*
- [\[Cfp-interest 3279\] Re: C26 Complex Related Changes](#) *Jim Thomas*
  - [\[Cfp-interest 3294\] Re: C26 Complex Related Changes](#) *Jerome Coonen*
    - [\[Cfp-interest 3298\] Re: C26 Complex Related Changes](#) *Jim Thomas*

Deeper TOC for annexes

- [\[Cfp-interest 3164\] TOC depth for C annexes](#) *Jim Thomas*

Moving complex ops spec from Annex G to main body

- [\[Cfp-interest 3285\] Re: Specification of complex operators](#) *Jim Thomas*
  - [\[Cfp-interest 3286\] Re: Specification of complex operators](#) *Fred J. Tydeman*

Reply to WG14 re. midpoint and interpolation

"cannot" vs "can not"

- [\[Cfp-interest 3162\] use of "can not" in N3301 5.2.2.4p13](#) *Vincent Lefevre*

Range errors for `ilogb` and `llogb`

- [\[Cfp-interest 3202\] llogb\(\)](#) *Fred J. Tydeman*
  - [\[Cfp-interest 3228\] Re: llogb\(\)](#) *Jim Thomas*
    - [\[Cfp-interest 3266\] Re: llogb\(\)](#) *Jim Thomas*

### Other issues