WG14 N2551

C Floating Point Study Group Teleconference

August 19, 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/94099491581?pwd=UHdCZ1FwQzg3aGNCek0wL0xPYzcyQT09
   Password: 817756
Or iPhone one-tap :
   US: +16699006833,,94099491581# or +14086380968,,94099491581#
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
312 626 6799 or +1 646 876 9923 or +1 301 715 8592 or 877 853 5247 (Toll Free)
   Meeting ID: 940 9949 1581
   Password: 817756
   International numbers available: https://iso.zoom.us/u/aej7PGKxfm
Or Skype for Business (Lync):
   https://iso.zoom.us/skype/94099491581

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 2020-07-22 meeting
   Posted on CFP wiki

Carry-over action items
   none

Action items from 2020-07-22 meeting
   Jim: Create a proposal based on CFP 1709 updates to Annex B with the addition of N and M
parameter descriptions.
   Jim: For cfp3x-annex-20200706.pdf, Annex X, new example (page 33), change the magic number 40
(which needs to be verified) to be a macro and add in a descriptive definition of that macro.
   Jim: For cfp3x-annex-20200706.pdf, Annex X, strtoencdecd* function declarations (page 35), make
the pointers into arrays to allow giving a size for the array.
   Fred: Submit the paper in CFP 1703 to WG14 as a CFP paper.
   Jim: Submit CFP 1653's changes (appropriately colorized or changed to highlight the changes) to

WG14.
    Jim: Put CFP 1634 (with the correction: 'prototype is extended' -> 'prototype is expanded') into TS3 as an annex.
    Fred: Submit CFP 1704 to WG14 as a proposal from CFP.
    Jim: Prepare a suggested change to C2X proposal based on CFP 1687 option 3.
    Fred: Submit CFP 1702 to WG14 as a CFP paper.
    David H: Come up with a sentence to add to footnote 295 (as per CFP 1697) to point out the possible numerical differences in output.

Study group logistics
    Next meeting dates: Wednesday, September 16?

C++ liaison

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: Create a proposal based on CFP 1709 updates to Annex B with the addition of N and M parameter descriptions.

    Jim: For cfp3x-annex-20200706.pdf, Annex X, new example (page 33), change the magic number 40 (which needs to be verified) to be a macro and add in a descriptive definition of that macro.
- [Cfp-interest 1718] AI about macro for array size in example   *Jim Thomas*
  - [Cfp-interest 1720] Re: AI about macro for array size in example   *Mike Cowlishaw*
    - [Cfp-interest 1727] Re: AI about macro for array size in example   *Jim Thomas*
      - [Cfp-interest 1728] Re: AI about macro for array size in example   *Mike Cowlishaw*
      - [Cfp-interest 1730] Re: AI about macro for array size in example   *Jim Thomas*
      - [Cfp-interest 1731] Re: AI about macro for array size in example   *Mike Cowlishaw*

    Jim: For cfp3x-annex-20200706.pdf, Annex X, strtoencdecd* function declarations (page 35), make the pointers into arrays to allow giving a size for the array.

    Fred: Submit the paper in CFP 1703 to WG14 as a CFP paper.

    Jim: Submit CFP 1653's changes (appropriately colorized or changed to highlight the changes) to WG14.
[Cfp-interest 1738] AI re F.3 editorial cleanup for rounding macros   *Jim Thomas*

    Jim: Put CFP 1634 (with the correction: 'prototype is extended' -> 'prototype is expanded') into TS3 as an annex.

    Fred: Submit CFP 1704 to WG14 as a proposal from CFP.

Jim: Prepare a suggested change to C2X proposal based on CFP 1687 option 3.
[Cfp-interest 1737] AI re feature and WANT macros in Annex F *Jim Thomas*

Fred: Submit CFP 1702 to WG14 as a CFP paper.

David H: Come up with a sentence to add to footnote 295 (as per CFP 1697) to point out the possible numerical differences in output.
- [Cfp-interest 1715] short hex strings *David Hough CFP*
  - [Cfp-interest 1716] Re: short hex strings *Jim Thomas*
  - [Cfp-interest 1719] Re: short hex strings *David Hough CFP*
  - [Cfp-interest 1721] Re: short hex strings *Paul Zimmermann*
    - [Cfp-interest 1722] Re: short hex strings *Fred J. Tydeman*
      - [Cfp-interest 1724] Re: short hex strings *Jim Thomas*
    - [Cfp-interest 1725] Re: short hex strings *Jim Thomas*
  - [Cfp-interest 1723] Re: short hex strings *David Hough CFP*
  - [Cfp-interest 1726] Re: short hex strings *David Hough CFP*
    - [Cfp-interest 1729] Re: short hex strings *Paul Zimmermann*
    - [Cfp-interest 1732] Re: short hex strings *Jim Thomas*
  - [Cfp-interest 1733] Re: short hex strings *David Hough CFP*

Other issues

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

Footnote about sufficient %a formatting precision
- [Cfp-interest 1717] footnote about sufficient %a formatting precision *Jim Thomas*
  - [Cfp-interest 1734] Re: footnote about sufficient %a formatting precision *Jim Thomas*
- [Cfp-interest 1735] Re: footnote about sufficient %a formatting precision *Paul Zimmermann*
  - [Cfp-interest 1736] Re: footnote about sufficient %a formatting precision *Jim Thomas*

Still need ideas on how to convert Word to good PDF with links.

Others?