

# MPI 2.2

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## Goals

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- Modernize MPI Specification
  - ◆ Without impacting implementations
  - ◆ Examples: Add const to C binding; relax send and receive buffer restrictions
- Continue to clarify MPI standard document
  - ◆ Build on the MPI 2.1 work
  - ◆ See Rolf's excellent summary
- Fix some broken parts
  - ◆ E.g., MPI::SEEK\_SET (remove, rename, something else?)
- Add urgently needed missing routines
  - ◆ E.g., MPI\_Offset-related datatype routines?



## Resources

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- Wiki page
  - ◆ [http://meetings.mpi-forum.org/MPI\\_2.2\\_main\\_page.php](http://meetings.mpi-forum.org/MPI_2.2_main_page.php)
- Pre-wiki discussion of issues
  - ◆ <http://www.cs.uiuc.edu/homes/wgrop/p/projects/parallel/MPI/mpi-errata/mpi2-2issues.htm> (linked from wiki page)



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## Proposing MPI 2.2 Items

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- Each change needs a specific, written plan
  - ◆ Change should address
    - Author of change (just one lead author)
    - Nature of issue, including importance and evidence of need
    - History (make sure you know why the MPI Forum made the original choice)
    - Proposed solution, stated as updates to specific page/line in the MPI 2.1 standard as adopted.
    - Impact on implementations
    - Impact on applications/users
    - Alternative solutions
    - Entry for the change log



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## Creating Items

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- Each change should have its own wiki page (or ticket - decision soon)
  - ◆ If you have trouble adding a page, send me a wiki-formatted page and I will install it
  - ◆ See <http://svn.mpi-forum.org/trac/mpi-forum-web/wiki/WikiFormatting> for formatting info
- You may add comments to any item, but please follow these rules:
  - ◆ Don't change the text - append to the end
  - ◆ Identify yourself in any comment



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## Exceptions

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- Obvious editing errors, including erroneous example programs. These will be the responsibility of chapter editors
- We will still vote on these, so we still need
  - ◆ Nature of issue
  - ◆ Location in the MPI 2.1 document (page/line)
  - ◆ Old text
  - ◆ New text
  - ◆ Entry for the change log



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