MPI 2.1
at
MPI Forum
Chicago, April 28-30, 2008

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(Chairman of MPI 2.1 Task)

University of Stuttgart

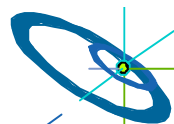High-Performance Computing-Center Stuttgart (HLRS)

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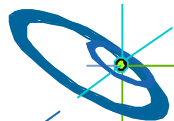# Working plan: March 10-12, 2008

Monday: 4:15 pm - 4:35 pm : MPI 2.1 - Ballot 3/4 preparation of 1st/2nd vote

                      4:35 pm - 4:55 pm : MPI 1.3 - Official reading (=report of reviewers)

                      4:55 pm - 5:15 pm : MPI 2.1 - Official reading (=report of reviewers)
           5-10 min/chapter, first part

                      7:00 pm - 9:00 pm : MPI 2.1 - Official reading (=report of reviewers)
           5-10 min/chapter, continued

                      9:00 pm - 10:00 pm: MPI 1.3/2.1 - additional discussions *(only if needed)*

                      (End of all MPI-1.3 & 2.1 discussions)

Tuesday: 9:00 am - 9:40 am : MPI 2.1 - Ballot 3/4: 1st / 2nd vote

                      9:40 am - 10:00 am : MPI 2.1 - Decisions (straw votes) on open issues

                  11:30 am - 12:15 am : MPI 1.3/2.1 - Finishing the official reading –
           Presentation of the results

Wednesday: 10:15 am - 10:45 am : MPI 2.1 - Follow up   **B3**   **B4**   **1.3**   **2.1**

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MPI-1.3 – Working Plan

- MPI-1.3 final version Apr. 19, 2008 is available
- Reviews are done by the MPI 1.3 reviewing group:
    1. **Bill Gropp**
    2. **Rolf Rabenseifner**
    3. **Adam Moody**
    4. **Puri Bangalore**
    5. **Terry Dontje**
- Text basis:
  MPI-1.1 (June 1995), MPI-1.2 (July 1997), MPI-1 errata (Oct. 12, 1998), Ballot 1+2 (May 15, 2002), and Ballot 4 items 5, 10.e, 13, and 15
- Official reading:
  The reviewers are asked for there (formalized) reviews.
- If there are still bugs that must be fixed, then an additional version will be done for the 1st vote, otherwise this version Apr. 19, 2008 is final.
- This is the official reading.
  Therefore, such late modifications must be presented in this meeting.
- Final version → 1st vote June, 2nd vote Sep. 2008

MPI-2.1 – Working Plan

Monday:

- All reviewer are asked for their (formalized) reviews
- Discussions (only if needed)

Tuesday:

- Decisions (straw voted) on open issues from the discussion
- Summary = finishing the official reading

Rolf Rabenseifner
Höchstleistungsrechenzentrum Stuttgart

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We need reviewers for: (**bold=large**) : (**red=responsible chapter author**) (**Reviewer, green=@meeting**)

Frontmatter & Acknowledgements	**Bill Gropp & Rich Graham, Rusty Lusk**
Chap. 1: Introduction to MPI	**Bill Gropp, Rusty Lusk, Karl Feind, Adam Moody, Traeff**
Chap. 2: MPI-2 Terms and Conventions	**Tony Skjellum**, **Bill Gropp, Richard Barrett, Traeff**
Chap. 3: Point-to-Point Communication & (incl. sections from MPI-2 Misc. + 8.9) **Chap. 4: Datatypes**	**Rich Graham**, **Jespar Larsson Traeff, George Bosilca,** **Steve Poole, Kannan Narasimhan, David Solt, B. Gropp** **Matt Koop, Adam Moody**
Chap. 5: Collective Communication (incl. sections from MPI-2 Ext. Collect.)	**Adam Moody,** Steven Ericsson-Zenith, **Edgar Gabriel,** **R. Thakur, B. Gropp, G. Bosilca, Th. Hoefler, J. Traeff**
Chap. 6: Groups, Context, and Communicators (incl. sections from MPI-2 Ext.Col. + 8.8)	**Richard Treumann** Steven Ericsson-Zenith, **Edgar Gabriel,** **Tony Skjellum, Bill Gropp, G. Bosilca, Robert Blackmore**
Chap. 7: Process Topologies	**Jesper L. Traeff, Rusty Lusk, Bill Gropp, Richard Barrett**
Chap. 8: MPI Environmental Management (incl. sections from MPI-2 Misc.)	**George Bosilca**, **Rich Graham**, **Jespar Larsson Traeff,** **Steve Poole, Kannan Narasimhan, David Solt, B. Gropp**
Chap. 9: Miscellany	**Jesper L. Traeff, Rich Graham, George Bosilca,** **Steve Poole, Kannan Narasimhan, B. Gropp**
Chap. 10: Process Creation and Management	**David Solt,** Dries Kimpe, **Rusty Lusk, George Bosilca,** **Bill Gropp, Kalem Karian,**
Chap. 11: One-Sided Communication	**Jespar Larsson Traeff**, Ericsson-Zenith, Martin Schulz, **Bill Gropp, Darius Buntinas,**
Chap. 12: External Interfaces	**Bronis de Supinski, Bill Gropp, Rainer Keller**
Chap. 13: I/O	**Rajeev Thakur**, Joachim Worringen, **Bill Gropp, Koziol**
Chap. 14: Profiling Interface	**Bronis de Supinski, Bill Gropp, Jeff Brown**
Chap. 15: **Deprecated Functions**	**Rolf Rabenseifner, Bill Gropp**
Chap. 16: Language Bindings	**Jeff Squyres, Steve Poole, Purushotham Bangalore,** **Bill Gropp, Erez Haba, Alexander Supalov**
Annex A Language Bindings Summary	**A. Supalov, J. Squyres, St. Poole, P. Bangalore, B. Gropp**
Annex B Change Log / Indexes	**Rolf Rabenseifner, Bill Gropp**
Bibliography	**Bill Gropp, Rusty Lusk**

Reviewer Question & Answer

Chap. .... of MPI-2.1 Draft Apr. 19, 2008 represents fully and
exactly (as I can overlook) the text that was given by
- MPI-1.1 (June 1995) and MPI-2 (July 1997),
- MPI-1 errata (Oct. 12, 1998),
- Ballot 1+2 (May 15, 2002),
- Ballot 3 (protocol from March 2008 meeting, 1st vote), and
- Ballot 4 (protocol from March 2008 meeting, official reading)

if the following text-modifications (they are already implemented in the current
draft) are accepted by the MPI Forum:
- XXXXX

and if the following bugs will be corrected until first vote in June 2008 meeting:
- YYYYY.

Further comments (not official part of this review):
- ZZZZZ

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Reviewer Statements

Chap. .... of MPI-2.1 Draft Apr. 19, 2008 represents fully and exactly (as I can overlook) the text that was given by MPI-1.1 (June 1995) and MPI-2 (July 1997), MPI-1 errata (Oct. 12, 1998), Ballot 1+2 (May 15, 2002), Ballot 3 (protocol from March 2008 meeting, 1st vote), and Ballot 4 (protocol from March 2008 meeting, official reading)

if the following text-modifications (they are already implemented in the current draft) are accepted by the MPI Forum: XXXXX

and if the following bugs will be corrected until first vote in June 2008 meeting: YYYYY. Further comments (not official part of this review): ZZZZZ

Chapter	Reviewer	Statement is true	XXXXX (Modifications, to be voted by the Forum)	YYYYY (Bugs, to be done)	ZZZZZ (Further comments)
Chapter 5 Collective Communication	**Adam Moody**				
	Edgar Gabriel				
	Rajeev Thakur				
	Bill Gropp				
	George Bosilca				
	Torsten Hoefler				
	Jesper Traeff				

Follow-Up: Next Steps

- Ballot 3 → is finally done at this meeting

- Ballot 4 → Jun'08 2nd vote = done

- MPI-1.3 → Jun'08 1st vote → Sep'08 2nd vote = done

- MPI-2.1 → implementing review items until May 30, 2008, still colored
  (no further corrections, only items that are now on the table)
  - → Reviewers should make a final check
  - → Final version of MPI-2.1 – only black&white June 13, 2008
  - → June 30 – July 2: 1st vote
  - → Sep'08 2nd vote = done

- Libraries: Implementation until EuroPVM/MPI 2008 is feasible

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