MPI Forum March 2019

MPI Timeline Discussion

MPI 4.0

- Passed
  - Info Assertions
  - Deprecate send cancel
  - Deprecate sizeof
  - Remove info key propagation
  - MPI_Comm_idup_with_info
  - Info query
  - Small fixes to MPI_T
  - Persistent collectives
  - Clarification of abort behavior
  - Noncatastrophic Errors

- Close or under discussion
  - MPI_T events
  - MPI Sessions
  - Additions for FT
  - Non blocking constructor/destructor for RMA ???
  - HW Topologies
  - More I-operations

- What else?
  - Terms and Conventions
  - Large Count
  - FP16
  - More additions for persistence
  - MPI process/OS clarification
  - Function pointers
  - More additions for FT
  - More on HW Topologies

Possible MPI Timelines

- Last Readings May 2019
- 1nd Votes Sep. 2019
- 2nd Votes Dec. 2019
- RCM March 2020
- FRM June 2020
- Release ISC 2020

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Add more meetings (even if short)?

Quorum, especially in European meetings?

Suggestions for Beyond MPI 4.0

MPI 4.0 with major additions

MPI 4.1: clean up (soon afterwards)
- No Semantic changes
- Language Clean-Up
- Terms and Convention

MPI 4.5 (start in parallel with MPI 4.1)
- Minor additions
- OR: Cut in the API / Function pointers??? (or is that MPI 5.0?)

Topics Virtual Meetings

- MPI_T Event Timestamps
- FT Proposal
- MPI Session Update
- Terms and Conventions
- Split types
- Cart Topologies
- Function Pointers
- Finepoints

Dates
- 3/13. ----
- 3/20. Terms
- 3/27. Timestamps
- 4/3.   Split types / Session 1
- 4/10. FT
- 4/17   Finepoints / Fct. Ptrs
- 4/24. Cart Topol. / Session 2
- 5/1.   EU Bad Backup
- 5/8   F bad Backup
- 5/15.
- 5/22. ----