



# MPI-3 Tools Working Group Publishing MPIR Interface



June 15, 2010

# MPIR Interface

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- ▶ Attach tools (usually debuggers, so far) to MPI jobs
  - ▶ During job launch
  - ▶ After job launch
- ▶ Widely implemented in many MPI implementations
  - ▶ (Mostly) Based on header file in MPICH(2)
  - ▶ ...in slightly different ways



# MPIR Interface

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- ▶ Tools WG goal is to really standardize MPIR
  - ▶ Standardize MPIR *as it is today*
  - ▶ Not improve it
  - ▶ Improving MPIR will be another effort
  - ▶ ...even though there are many things that can be improved
- ▶ Publish an MPIR specification document
  - ▶ Recognize widely-used ad-hoc standard; help ease confusion
  - ▶ Publish it through the MPI Forum
  - ▶ A separate document from MPI-3
- ▶ HOW DO WE DO THIS?



# Publishing the Current MPIR Interface

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- ▶ Similar to the MPI Journal of Development (JOD)
- ▶ Tools WG has a content-complete draft
  - ▶ Not yet formatted in MPI Forum LaTeX
  - ▶ Sent as PDF to the MPI-3 tools mailing list 14 Jun 2010
- ▶ What is the process to publish through the Forum?
  - ▶ Formal reading + two votes, then post on [www.mpi-forum.org](http://www.mpi-forum.org)?

