



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)?

