

# Fault Tolerance Working Group Update

**LEADERSHIP  
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NATIONAL CENTER FOR COMPUTATIONAL SCIENCES



*presented by*

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# Current Topics

- Consistent error handling across the standard
  - Being brought for discussion at the full forum this time
- Fault Tolerance in Master/Slave type usage scenarios
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- Data piggybacking
  - Should move to the point-to-point wg
  - New proposed API
  - Proposal to accomplish this with changes to datatype support
- Support for process recovery
  - Still in infancy
- Asynchronous dynamic process control
  - Proposal exists, but not yet discussed

# Current Topics - Continued

- Dynamic communicators
  - Should be ready for Sept or Oct meeting
- Transactional messages
  - Proposal exists, not yet discussed
- API addition to bring network traffic to a well defined state in support of Checkpoint/Restart