**Goals of OPEN MPI**
- Full MPI implementation
- Fast, reliable and extensible,
- Production-grade code quality as a base for research

**Concept of OPEN MPI**
- Modular design with component architecture
- Support of many network protocols
  
such as gm, mx, openib, udapl, ugni and tcp

**HLRS contribution to OPEN MPI**
- Porting and extension on Windows CCS
- Nightly test on HPC Systems
- Add support for RDMA Bit Transfer Layer using Network Direct
- Add support for WinVerbs
- Develop remote process launch and management component
  
using Compute Cluster Pack and Windows Management
  
Instrumentation
- Extend the PERUSE profiling interface and perform PERUSE-based
  
performance measurements on applications
- Work on advanced internal concurrent-threading features

**Members of OPEN MPI**