

UPC Group at UF
Bimonthly Status Report # 4 (5/20/05)

1) Accomplishments in the past two months

- Tool evaluation of
 - MPICL/Paragraph
 - Pablo
 - HPCToolkit
- Phase 2 proposal

2) Current activities

- Complete the tool evaluation sub-report
- Complete the generation of initial comprehensive set of PAT requirements
- Literature review of
 - Tool design
 - Measurement strategies
- Interaction with UPC, SHMEM, and MPI users regarding issues of usability concluding in the generation of a User-Guided Usability Specification
- Language analysis of
 - HP-UPC: Waiting for reply from HP on implementation specifics of their function libraries
 - Cray SHMEM
 - Update the language analysis sub-reports with analysis of HP-UPC and Cray SHMEM
- GCC-UPC testing

3) Upcoming activities (until end of Phase 1 in September):

- Complete high-level PAT prototype design based on PAT requirements set
- Complete proof of concept testing of high-level PAT prototype design
- Complete development of specification for PUPC interface (new UPC profiling interface, similar to PMPI and PSHMEM)
- Complete and submit the final report for Phase 1 with supporting documents