

Value

# Standard and Specification Evolution Release of OpenMP 5.0

Release of OpenMP 5.0 specification (Nov. 2018)

## OpenMP Scalable Runtime Completed

- OpenMP runtime milestoneUpgraded BOLT
- to LLVM 7.0
   BOLT/Argobots
  3rd release (RC1)

#### LLVM Compiler

- Implemented transformations: region merging,
- region merging,
  barrier removal
  (baseline for future
  parallel IR
  solutions)

Developed new

locality and

parallelism
transformations for
multi- and manycore processors

## Verification and Validation Suite

- Launched V&V website
- Release of V&V suiteIncreased
- Increased compiler coverage for Titan and
- Summit Dev.
  Summit V&V in progress

### **Training and Outreach**

Webinars, Workshops, ECP Annual Meeting Hybrid Optimization (OpenMP + MPI) Tutorial, Hackathons

**OpenMP Services** 

**Parallelism** 

## Accelerator

Affinity

Tasking

ing Memory Management