

## **PROPOSED PRIORITIES FOR CHAPEL 1.24**

- Stabilization / Chapel 2.0
  - review standard libraries
  - deprecate direct sync variable accesses
  - resolve in/out/inout relationship with 'init='
  - pursue constrained generics
- User support
- LLVM back-end by default
- GPU support
- Performance / Portability:
  - HPE Cray EX / IB / AWS
  - cache-remote on by default
  - general performance optimizations
- Compiler speed and rework
- Python interoperability
  - particularly for NumPy arrays



## **ADDITIONAL PRIORITIES FOR CHAPEL 1.24**

- Python3 compatibility
- Close remaining memory leaks
- Language improvements
  - nilability ergonomics
- Increased internal use of mason
  - e.g., to manage package modules
- Error message improvements

