

- **GPU**

- Cuda 10+ support
- Fixed support for concurrent kernels launched from threads  $> 1$ , and concurrent / transient streams (like from Magma library)
- TAU integration with AMD ROCm platform updated to HIP
- Adding more robust OpenACC support on device side, NVLink metrics
- Refactoring deprecated Metric and Event API support in CUPTI 10+

- **OpenMP**

- Finished OpenMP 5.0 support (host side)
- Working on integrated measurement for OpenMP target directives, GPU measurements

- **Other Updates**

- Updated OpenCL support to support Intel oneAPI / SYCL / DPC++ on early access machine at Argonne
- Looking into support for oneAPI Intel Performance API  
[https://spec.oneapi.com/oneL0/tools\\_PROG.html](https://spec.oneapi.com/oneL0/tools_PROG.html)