

# NVIDIA Jetson AGX Xavier SoC available

Experimental Computing Lab (ExCL) managed by the ORNL Future Technologies Group

## NVIDIA Jetson AGX Xavier:

- High-performance system on a chip for autonomous machines
- Heterogeneous SoC contains:
  - Eight-core 64-bit ARMv8.2 CPU cluster (Carmel)
  - 1.4 CUDA TFLOPS (FP32) GPU with additional inference optimizations (Volta)
  - 11.4 DL TOPS (INT8) Deep learning accelerator (NVDLA)
  - 1.7 CV TOPS (INT8) 7-slot VLIW dual-processor Vision accelerator (PVA)
  - A set of multimedia accelerators (stereo, LDC, optical flow)
- Provides researchers access to advanced high-performance SOC environment

