JUNE 2023

1. Frontier: HPE Cray EX235a, AMD Opt 3rd Gen EPYC (64C 2GHz), AMD Instinct MI250X, Slingshot-11
   SITE: DOE/SC/ORNL  COUNTRY: USA  CORES: 8,699,904  TFLOPS: 1,194.0  POWER MW: 22.7
2. Fugaku: Fujitsu A64FX (48C, 2.2GHz), Tofu Interconnect D
   SITE: RIKEN R-CCS  COUNTRY: Japan  CORES: 7,630,848  TFLOPS: 442.0  POWER MW: 29.9
3. LUMI: HPE Cray EX235a, AMD Opt 3rd Gen EPYC (64C 2GHz), AMD Instinct MI250X, Slingshot-11
   SITE: EuroHPC/CSC  COUNTRY: Finland  CORES: 2,220,288  TFLOPS: 309.0  POWER MW: 6.01
4. Leonardo: Atos Bullsequana intelXeon (32C, 2.6 GHz), NVIDIA A100 quad-rail NVIDIA HDR100 Infiniband
   SITE: EuroHPC/CINEC  COUNTRY: Italy  CORES: 1,824,768  TFLOPS: 238.7  POWER MW: 7.40
5. Summit: IBM POWER9 (22C, 3.07GHz), NVIDIA Volta GV100 (80C), Dual-Rail Mellanox EDR Infiniband
   SITE: DOE/SC/ORNL  COUNTRY: USA  CORES: 2,416,592  TFLOPS: 148.6  POWER MW: 10.1

PERFORMANCE DEVELOPMENT

ARCHITECTURES

CHIP TECHNOLOGY

INSTALLATION TYPE

ACCELERATORS/CO-PROCESSORS