



Center for Computational Sciences University of Tsukuba

<http://www.ccs.tsukuba.ac.jp>



Mission

The mission of the Center for Computational Sciences is to promote scientific discovery through the application of advanced computing technologies, and to support computational science research at Japanese universities and institutions by operating cutting-edge computing systems.

The Center aims to carry out research on critical issues in fundamental science, material science, life science and environmental science by performing large-scale simulations and large-scale data analysis. To realize this goal, the Center performs research and development of high-performance computing systems and networks, as well as advanced studies in computer and information science.

Chronology and Major Events



CP-PACS



GRAPE-6 with host cluster



FIRST-Cluster



PACS-CS



T2K-Tsukuba

- 1992** Foundation of the Center for Computational Physics (CCP)
- 1996** Completion of CP-PACS, a 0.6 TFLOPS MPP ranked No. 1 on the Top 500 in Nov. 1996
- 2002** Completion of HMCS (Heterogeneous Multi-Computer System), an 8.6 TFLOPS coupled CP-PACS/GRAPE-6 system
- 2004** Reorganization and expansion of CCP, renamed Center for Computational Sciences (CCS)
- 2006** Two major new computing facilities start operation.
 - PACS-CS a general-purpose 14.3 TFLOPS MPP cluster for computational sciences
 - FIRST an HMCS-E for astrophysical simulations
 - General-purpose 3.5 TFLOPS+gravity 35 TFLOPS
- 2008** Completion of T2K-Tsukuba system, a 95.4 TFLOPS cluster ranked No. 20 on the Top 500 in Jun. 2008
- 2011** PACS-CS was shutdown, and preparation of HA-PACS is ongoing