National Center for Supercomputing Applications

Address:
National Center for Supercomputing Applications
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E-mail: consult@ncsaa.ncsa.uiuc.edu

Phone: (217) 244-0072

Description

The National Center for Supercomputing Applications is located at the University of Illinois in Champaign, Illinois. Funding is provided by the National Science Foundation, the University of Illinois, the State of Illinois and Industrial Partners of the center. Grants and equipment loans from major computer vendors enhance the resources of NCSA and foster new research and development programs. The Interdisciplinary Center (IRC) is a ''think tank'' for researchers using NCSA equipment.

NCSA offers these resources:

- CRAY X-MP/48 with a 128 Mword SSD running the UNICOS operating system. The clock speed is 8.5 nsec.
- CRAY-2S/4-128 running the UNICOS operating system. The clock speed is 4.1 nsec and the static memory speed is 45 nsec

  parallel processing is available on both CRAY systems.
- Common File System (CFS) from Los Alamos running on an Amdahl 5860
- DEC VAX 11/785 cluster running VMS as front-ends for file transfer, tape handling and electronic mail and notesfile conferencing
- Workstations for visitors including IBM PC/ATs, Apple Macintosh, Sun systems, DEC VAXstations, and Silicon Graphics IRIS systems

NCSA offers these services:

- systems consultants, applications specialists, and research scientists in various disciplines to assist researchers
- visitors program to allow researchers to come and work in an intensive manner and interact with NCSA staff
- training via monthly training sessions, summer institutes, outreach visits and various workshops and conferences
- strategic users program for researchers interested in partnership with NCSA to help the general research community
- publications including two center newsletters, a technical resources catalog, and reference materials on all of NCSA's systems

- documentation and reference materials on all of NCSA's systems
- workstation software developed at NCSA including telnet software and graphics tools
- scientific visualization program to carry out research and work with academic and industrial researchers to visualize data
- output in the form of photographic prints and slides, and videotapes
- Affiliates program to train support personnel at academic institutions, scientific institutes and government agencies - there are over 80 affiliate institutions.

Network Access

NCSA facilities are accessible via:

- Internet networks (NSFnet and ARPAnet) for file transfer, electronic mail and interactive access
- direct dial up to 9600 BAUD
- BITNET for file transfer and electronic mail

Who Can Use the Center

Any academic researcher may apply for time to use the center. All requests are peer reviewed monthly for allocations under 100 hours and quarterly for allocations of 100 or more hours. Industrial partnership programs are also available.

Miscellaneous Information

Further information can be obtained through the following contacts at NCSA or at the address above:

Main Receptionist	(217) 244-0072
Applying for time	(217) 244-0635
Consulting Office	(217) 244-1144
Academic Affiliates	(217) 244-2341
Industrial Affiliates	(217) 244-0474