The Northeast Parallel Architectures Center (NPAC)

Address:
Northeast Parallel Architectures Center
111 College Place
Syracuse University
Syracuse, New York 13244-4100

E-mail: npac@nova.npac.syr.edu

Phone: (315) 443-1723

Description

The Northeast Parallel Architectures Center, under contract to RADC with funding from DARPA, promotes and explores advanced computing technology by providing parallel architectures and research support to university, corporate and government researchers nationwide.

NPAC provides a focal point for:

- testing existing parallel architectures
- developing new machines and software tools
- providing the local and national research community with a rich environment in which to explore and utilize large scale parallel computers
- conducting applied research which requires parallel machines

NPAC currently offers:

- two Connection Machines from Thinking Machines Corporation: a CM1 and a CM2 with 2 framebuffer graphic display systems; two 5 gigabyte Data Vault storage systems; and a VAX 8800 and 2 Symbolics front-ends.
- two Encore Computer Corporation Multimax computer: an 16 processor (XPC) Model 520 running Umax and a 20 processor (APC) Model 320 running Mach.
- an Alliant Computer Systems Corporation FX/80
- a Stellar Graphics Supercomputer Model GS1000

NPAC also offers a variety of support services including research consultation, training programs, documentation, a newsletter, and reference materials.

Network Access

All systems are accessible via the Internet

Who Can Use The Center

The computing resources at the Center are made available to academic, government and corporate researchers upon submission of a project request. Information about the Center and the Resource Allocation Process are available through the telephone and electronic contact points listed above.

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