

"Gladstone is famous for one thing. His bag"

Search this site

RSS Twitter Facebook Email

HOME HARDWARE INTERNET BUSINESS SOFTWARE CHIPS MOBILE SCIENCE SECURITY BOGROLL

Wednesday 11 Aug 2010

US military pays Nvidia \$25 million to develop supercomputer chip

Paying to push the boundaries for GPUs

10 Aug 2010 17:59 | by Dean Wilson | posted in Chips

4 Comments [SHARE](#) [f](#) [t](#) [e](#)



An Nvidia team has received \$25 million from the US military as part of a push to develop a supercomputer chip infinitely better than anything currently available.

The Defence Advanced Research Projects Agency (DARPA) is keen to give the US the edge in the supercomputer race by handing out money left, right, and centre in efforts to fund research and development of a superchip for the US military's supercomputers.

DARPA awarded four different teams a research contract for the computer chip designed to increase GPU processing speeds by several thousand percent, choosing Nvidia as one

of its partners due its extensive background developing graphics chips.

- New efficiencies lie ahead - see the new IBM System x3650 M3 Express
- Find 1000s of IT Jobs at CWJobs

Ads by TechEye

"This recognizes Nvidia's substantial investments in the field of parallel processing and highlights GPU computing's position as one of the most promising paths to exascale computing," said Bill Dally, chief research scientist at Nvidia.

"We look forward to collaborating to develop programmable, scalable systems that operate in tight power budgets and deliver increases in performances that are many orders of magnitude above today's systems," he added.

The Nvidia team consists of Oak Ridge National Laboratory in Tennessee, supercomputer firm Cray in Seattle and a number of universities throughout the US.

While the large sum of money will be aimed at developing a supercomputer chip, the benefits of advances made may filter down to everyday users with new additions to Nvidia's chip range.

External links

rawstory.com

Share this

[Like](#) Be the first of your friends to like this. [More](#)

Other chips stories

- DRAM at risk of shortfall in second half of 2010
- Organic electronics to destroy silicon world
- Hynix starts production on 64 gigabit NAND chips
- Synopsys, GlobalFoundries team up for 28nm process PHY IP
- Kingston Technology thinks we need our Rams well watered

Latest stock market

Symbol	Name	Time	Trade	Change	% Chg	Volume	P/E Ratio	EPS	Mkt Cap	Intraday
NVDA	nVidia	21:00 GMT	9.2425	0.00	0.00%	0	19.18	0.482	5.289B	
CRAY	Cray	21:00 GMT	5.66	0.00	0.00%	0	N/A	-0.217	200.9M	

Related topics

[nVidia, USA](#), [Cray](#)

Comments



rich wargo - 10 Aug 20:49

So who are the other three teams? Nothing like an incomplete story. Makes me wonder if this was written by someone with a 20 minute attention span.



rich wargo - 10 Aug 20:57

Okay, this is the ExtremeScale challenge to pack a petaflop supercomputer into a single rack.

Each team was given \$25M US to develop prototype.

Teams are led by Intel, MIT Computer Science and Artificial Intelligence Lab, Sandia National Lab, and oh, yes,

Other chips stories



02 Aug 19:55
Intel teams up with GE to help old people

Louis Burns clocks and cracks the CEO job



09 Aug 16:46
Organic electronics to destroy silicon world

Japan ready to say goodbye sand forever

Stay up to date with...

RSS Twitter Facebook Email

Company watch

nVidia (NVDA 9.2425 at close on 10 Aug 2010)

- Intel and FTC finally reach agreement on anticompetitive allegations
- MSI launches FX600 notebook

Cray (CRAY 5.66 at close on 10 Aug 2010)

- Cray gets high profile energy supercomputer contract
- Nvidia boffin gets award

Most viewed Latest Most commented

- Google CEO warns of data explosion and future without privacy
- Cisco to report 28 percent sales growth turnaround
- Human race has 200 years to live
- Next iPhone and iPad details revealed
- UK solar panel give-away is clever long-term cash cow

nVidia.

Good thing ORNL is involved with nVidia, as I'm sure their entry will need petawatts of power. ORNL has all those lovely hydroelectric plants nearby.

I wonder if AMD is on one of the teams?



Great Reporting, Rich Wargo - 10 Aug 22:23

About us Advertise Legal Company Watch Topics
Timeline EyeSpy Friends of TechEye People
EyeSuggest © 2010 JAM IT Media Ltd

I can't believe they're not putting our money i

A petaflop + dog, US Gov. computer named

If only there was such a computer as a Wiley

Ok it's been a long day...

Do you spell relief beep beep or
bleep bleep? ACME if iCare.



Peter Chan - 11 Aug 09:10

There should be a corresponding program to find an economic solution with off the shelf hardware, not only in terms of capital outlay, but also running and maintenance costs.

SIGN UP NOW FOR MOBILE BROADBAND
AND GET THE VERIZON WIRELESS USB760 MODEM FREE
\$50.00 2-year price less \$50.00 mail-in rebate debit card. New 2-year activation on a Mobile Broadband plan required.

Learn More

Replay

verizon

RULE THE AIR

Post a comment

Name *

Email *

WebSite

Text

Post Comment

**We can refresh and i
hardware. So you ca
and play.**

Lenovo Windows 7 desktops
from CDW.

Shop CDW ▶

