

Published on *TechConnect Magazine* (<http://www.tcmagazine.com>)

DARPA gives Nvidia, others, \$25 million to make GPU-based HPC systems

By *Cristian*

Created 2010-08-10 04:43

Written by [Cristian](#) [1] Tuesday 10 August 2010 - 4:43 | Tags: [computing](#) [2], [cray](#) [3], [darpa](#) [4], [exascale](#) [5], [gpu](#) [6], [nvidia](#) [7]



The Defense Advanced Research Projects Agency (DARPA), the US Defense Department's research and development arm, has checked its pockets and took out \$25 million to grant for a four-year research contract focused on developing new GPU technologies for use in exascale supercomputers.

The team working on the next-gen of supercomputers is comprised of Nvidia, Cray, Oak Ridge National Laboratory and six top US universities. Their promise is to make new hardware and software that will deliver a massive increase in GPU computing performance, programmability and reliability.

"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, Nvidia's chief scientist and senior vice president of research, and the team's principal investigator. "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."

The universities participating in the DARPA-funded project have not been named yet but you can pretty much bet they are from the [CUDA Center of Excellence Program](#) [8] .

[digg](#) [9] [facebook](#) [10] [twitter](#) [11] [buzz](#) [12] [e-mail](#) [13] [print](#) [13] [Like](#)

Source URL: <http://www.tcmagazine.com/tcm/news/misc/29697/darpa-gives-nvidia-others-25-million-make-gpu-based-hpc-systems>

Links:

[1] <http://www.tcmagazine.com/user/37>

[2] <http://www.tcmagazine.com/tcm/tag/1012/computing>

[3] <http://www.tcmagazine.com/tcm/tag/2835/cray>

[4] <http://www.tcmagazine.com/tcm/tag/2836/darpa>

[5] <http://www.tcmagazine.com/tcm/tag/2837/exascale>

[6] <http://www.tcmagazine.com/tcm/tag/36/gpu>

[7] <http://www.tcmagazine.com/tcm/tag/42/nvidia>

[8] <http://research.nvidia.com/content/cuda-centers-excellence>

[9] [http://digg.com/submit?url=http://www.tcmagazine.com/tcm/news/misc/29697/darpa-gives-nvidia-others-25-million-make-gpu-based-hpc-systems&title=DARPA gives Nvidia, others, \\$25 million to make GPU-based HPC systems&bodytext=The Defense Advanced Research Projects Agency \(DARPA\), the US Defense Department's research and development arm, has checked its pockets and took out \\$25 million to grant for a four-year research contract focused on developing new GPU technologies for use in exascale supercomputers.&media=news&topic=tech_news](http://digg.com/submit?url=http://www.tcmagazine.com/tcm/news/misc/29697/darpa-gives-nvidia-others-25-million-make-gpu-based-hpc-systems&title=DARPA%20gives%20Nvidia,%20others,%20$25%20million%20to%20make%20GPU-based%20HPC%20systems&bodytext=The%20Defense%20Advanced%20Research%20Projects%20Agency%20(DARPA),%20the%20US%20Defense%20Department's%20research%20and%20development%20arm,%20has%20checked%20its%20pockets%20and%20took%20out%20$25%20million%20to%20grant%20for%20a%20four-year%20research%20contract%20focused%20on%20developing%20new%20GPU%20technologies%20for%20use%20in%20exascale%20supercomputers.&media=news&topic=tech_news)

[10] <http://www.facebook.com/share.php?u=http://www.tcmagazine.com/jTO>

[11] [http://twitter.com/home?status=From @TCMagazine DARPA gives Nvidia, others, \\$25 million to make GPU-based HPC systems - http://www.tcmagazine.com/jTO](http://twitter.com/home?status=From%20@TCMagazine%20DARPA%20gives%20Nvidia,%20others,%20$25%20million%20to%20make%20GPU-based%20HPC%20systems-%20http://www.tcmagazine.com/jTO)

[12] [http://www.google.com/buzz/post?message=DARPA gives Nvidia, others, \\$25 million to make GPU-based HPC systems&url=http://www.tcmagazine.com/tcm/news/misc/29697/darpa-gives-nvidia-others-25-million-make-gpu-based-hpc-systems&imageurl=http://www.tcmagazine.com/sites/default/files/images/article/logos/tcm/nvidia.png](http://www.google.com/buzz/post?message=DARPA%20gives%20Nvidia,%20others,%20$25%20million%20to%20make%20GPU-based%20HPC%20systems&url=http://www.tcmagazine.com/tcm/news/misc/29697/darpa-gives-nvidia-others-25-million-make-gpu-based-hpc-systems&imageurl=http://www.tcmagazine.com/sites/default/files/images/article/logos/tcm/nvidia.png)

[13] <http://www.tcmagazine.com/>

[Expand](#)

[next previous](#)

[Close](#)

[Previous](#)

0/0

[Next](#)

