



SAVE UP TO 20% ON CAD SOFTWARE!

[CLICK HERE FOR BEST SAVINGS](#)

CADdepot
the CAD store®

Advertisement

CAD Report new - reveals combining parametric and direct modeling benefits design teams and the products they create.

TenLinks Sites

CADdigest
articles, reviews, tips

CADdepot
discount CAD store

FreeCAD
free CAD programs


CADtalent
CAD job board

CAD Insider
blog

NewsBreak

Get news delivered to you. [Sign up for TenLinks Daily. Free!!](#)

NVIDIA Names BSC, MSU as CUDA Centers of Excellence

 SEATTLE, WA, Nov 15, 2011 - NVIDIA today added two institutions to the list of 13 global CUDA Centers of Excellence: the Barcelona Supercomputing Center and Lomonosov Moscow State University.

The CUDA Center of Excellence designation is the highest honor given to institutions for ground-breaking work leveraging NVIDIA GPUs and NVIDIA CUDA technology. Recipients receive a range of GPU computing equipment and grants from NVIDIA.

Barcelona Supercomputing Center, a high-performance computing research center associated with the Universitat Politècnica de Catalunya/Barcelona Tech, is Spain's national supercomputing facility and home to one of Europe's most powerful supercomputers, the MareNostrum. It has also recently deployed Spain's fastest compute cluster with 256 NVIDIA Tesla M2090 GPUs and quad-core CPUs, delivering a peak performance of 186 teraflops. The Center's research projects are focused on the fields of computational sciences, life sciences and earth sciences, and its supercomputing systems have been used by hundreds of researchers from over 40 countries.

In addition to offering a range of parallel computing courses and training programs, Barcelona Supercomputing Center today announced plans to build the world's first ARM-based CPU/GPU hybrid supercomputer using energy efficient NVIDIA Tegra ARM CPUs and high-performance NVIDIA CUDA GPUs.

Lomonosov Moscow State University is one of the world's leading supercomputing centers dedicated to applying computational resources to vital scientific problems. Home to more than 40,000 graduate and post-graduate students, and 5,000 researchers, the university hosts four supercomputing clusters, including the 'Lomonosov' system, which is ranked 13th on the Top500 list of the world's most powerful supercomputers.

More than 500 scientific groups from Moscow University, institutes of the Russian Academy of Sciences and other research institutions in Russia use Moscow University's supercomputing center, focused on scientific research across a variety of disciplines. MSU-sponsored research is focused on the following areas: magneto-hydrodynamics, quantum chemistry, seismology, drug design, geology, and material science among others.

Other CUDA Centers of Excellence include: John Hopkins University, Stanford University, Harvard University, Institute of Process Engineering at the Chinese Academy of Sciences, National Taiwan University, Tokyo Tech, Tsinghua University (China), University of Cambridge, University of Illinois at Urbana-Champaign, University of Maryland, University of Tennessee, Georgia Tech, and University of Utah. For more information on the NVIDIA CUDA Center of Excellence program, [click here](#).

CUDA is NVIDIA's parallel computing architecture, which enables dramatic increases in computing performance by harnessing the power of GPUs. NVIDIA CUDA GPUs support all GPU computing programming models, APIs, and languages, including CUDA C/C++/Fortran, OpenCL, DirectCompute, and the recently announced Microsoft C++ AMP. More than 470 universities and institutions worldwide teach the CUDA programming model within their curriculum. For more information on NVIDIA CUDA technology, [click here](#).

About BSC

The Barcelona Supercomputing Center (BSC) houses MareNostrum, one of the unique supercomputers in a renovated old chapel-style building. Its mission is to research, develop and manage information technology in order to facilitate scientific progress. With this objective, the center counts with research areas in Computer Sciences, Life Sciences, Earth Sciences and Computational Applications in Science and Engineering. In the context of this multi-disciplinary approach, the BSC has a large number of researchers and experts in HPC (High Performing Computing), which facilitate scientific progress together with state-of-the-art supercomputing resources. More than 350 people work at BSC on research and 100 of those are from outside Spain.

This Spanish multi-disciplinary supercomputing center was established by a consortium

SAVE UP TO 20% at CADDEPOT.COM



[CLICK HERE FOR BEST SAVINGS](#)

CADdepot
the CAD store®

Corporate Sponsors

Innovate 3D
2D to 3D conversion

News by Email

All the CAD, CAM and CAE news, articles, events in your inbox every day -- for FREE!

Email Address:

made up by the current Ministry of Science and Innovation (MICINN), by the Ministry of Economy and Knowledge of the local Government of Catalonia and by the Universitat Politècnica de Catalunya/Barcelona Tech (UPC) and is headed by Professor Mateo Valero.

About Moscow State University

Lomonosov Moscow State University (MSU) is renowned as one of the leading computer science centers excelling in application of computational resources to address most vital scientific problems. MSU comprises two separate departments solely dedicated to computer related studies (Faculty of Computational Mathematics and Cybernetics, Research Computing Center of Moscow State University), as well as a number of faculties in the area of natural sciences that have many research groups pursuing state-of-the-art scientific studies using high performance computing in specific areas.

About NVIDIA

NVIDIA (NASDAQ: NVDA) awakened the world to the power of computer graphics when it invented the GPU in 1999. Since then, it has consistently set new standards in visual computing with breathtaking, interactive graphics available on devices ranging from tablets and portable media players to notebooks and workstations. NVIDIA's expertise in programmable GPUs has led to breakthroughs in parallel processing which make supercomputing inexpensive and widely accessible. The Company holds more than 1,800 patents worldwide, including ones covering designs and insights that are essential to modern computing. For more information, see www.nvidia.com.

Certain statements in this press release including, but not limited to statements as to: the effects, benefits and impact of the NVIDIA CUDA architecture, NVIDIA GPUs and parallel computing on scientific research; and the effects of the company's patents on modern computing are forward-looking statements that are subject to risks and uncertainties that could cause results to be materially different than expectations. Important factors that could cause actual results to differ materially include: global economic conditions; our reliance on third parties to manufacture, assemble, package and test our products; the impact of technological development and competition; development of new products and technologies or enhancements to our existing product and technologies; market acceptance of our products or our partners products; design, manufacturing or software defects; changes in consumer preferences or demands; changes in industry standards and interfaces; unexpected loss of performance of our products or technologies when integrated into systems; as well as other factors detailed from time to time in the reports NVIDIA files with the Securities and Exchange Commission, or SEC, including its Form 10-Q for the fiscal period ended July 31, 2011. Copies of reports filed with the SEC are posted on the company's website and are available from NVIDIA without charge. These forward-looking statements are not guarantees of future performance and speak only as of the date hereof, and, except as required by law, NVIDIA disclaims any obligation to update these forward-looking statements to reflect future events or circumstances.

2011 NVIDIA Corporation. All rights reserved. NVIDIA, the NVIDIA logo, CUDA, Tegra, and Tesla are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. Other company and product names may be trademarks of the respective companies with which they are associated. Features, pricing, availability, and specifications are subject to change without notice.

If news like this is important to you, [sign up for TenLinks Daily](#), our free newsletter.

See Also

[NVIDIA website](#)
[Computer Hardware - Graphics Cards](#) - by TenLinks.com
[Graphics Cards](#) - reviews by CADdigest.com

Additional News

Source: Material used in press releases is often supplied by external sources and used as is.

CADdepot
the CAD store®

**100's of CAD,CAM,CAE
products from the
best companies!**

Most at 20% off!

check it out

[:: Feedback](#) [:: Newsletters](#) [:: Privacy statement](#) [:: Suggest a site](#) [:: Terms of service](#) [::](#)

Copyright © 2011 by TenLinks, Inc. All rights reserved.