

NVIDIA to Train 100,000 Developers on Deep Learning in 2017

10x Training Increase from Previous Year to Meet Surging Demand for AI Expertise

GPU Technology Conference -- To meet surging demand for expertise in the field of AI, NVIDIA (NASDAQ: NVDA) today announced that it plans to train 100,000 developers this year -- a tenfold increase over 2016 -- through the [NVIDIA Deep Learning Institute](#).

Analyst firm IDC estimates that 80 percent of all applications will have an AI component by 2020. The NVIDIA Deep Learning Institute provides developers, data scientists and researchers with practical training on the use of the latest AI tools and technology.

The institute has trained developers around the world at sold-out public events and onsite training at companies such as Adobe, Alibaba and SAP; at government research institutions like the U.S. National Institutes of Health, National Institute of Science and Technology, and the Barcelona Supercomputing Center; and at institutes of higher learning such as Temasek Polytechnic Singapore and India Institute of Technology, Bombay.

In addition to instructor-led workshops, developers have on-demand access to training on the latest deep learning technology, using NVIDIA software and high-performance Amazon Web Services (AWS) EC2 P2 GPU instances in the cloud. More than 10,000 developers have already been trained by NVIDIA using AWS on the applied use of deep learning.

"AI is the defining technology of our generation," said Greg Estes, vice president of Developer Programs at NVIDIA. "To meet overwhelming demand from enterprises, government agencies and universities, we are dramatically expanding the breadth and depth of our offerings, so developers worldwide can learn how to leverage this transformative technology."

NVIDIA is broadening the Deep Learning Institute's curriculum to include the applied use of deep learning for self-driving cars, healthcare, web services, robotics, video analytics and financial services. Coursework is being delivered online using NVIDIA GPUs in the cloud through Amazon Web Services and Google's Qwiklabs, as well as through instructor-led seminars, workshops and classes to reach developers across Asia, Europe and the Americas. NVIDIA currently partners with Udacity to offer Deep Learning Institute content for developing self-driving cars.

"There is a real demand for developers who not only understand artificial intelligence, but know how to apply it in commercial applications," said Christian Plagemann, vice president of Content at Udacity. "NVIDIA is a leader in the application of deep learning technologies and we're excited to work closely with their experts to train the next generation of artificial intelligence practitioners."

Deep Learning Institute hands-on labs are taught by certified expert instructors from NVIDIA, partner companies and universities. Each lab covers a fundamental tenet of deep learning, such as using AI for object detection or image classification; applying AI to determine the best approach to cancer treatment; or, in the most advanced courses, using technologies such as [NVIDIA DRIVE™ PX 2](#) and [DriveWorks](#) to develop autonomous vehicles.

To meet its 2017 goal, NVIDIA is expanding the Deep Learning Institute through:

- **New Deep Learning Training Labs:** NVIDIA is working with Amazon Web Services, Facebook, Google, the Mayo Clinic, Stanford University, as well as the communities supporting major deep learning frameworks to co-develop training labs using Caffe2, MXNet and TensorFlow.
- **New Courseware for Educators:** NVIDIA has partnered with Yann LeCun, director of AI research at Facebook and computer science professor at New York University, to develop the [DLI Teaching Kit](#), which covers the academic theory and application of deep learning on GPUs using the PyTorch framework. Hundreds of educators are already using the DLI Teaching Kit, including the University of Oxford and the University of California, Berkeley.
- **New DLI Certified Training Partners:** NVIDIA is expanding the Deep Learning Institute ecosystem by providing materials and certifying instructors from Hewlett Packard Enterprise, IBM and Microsoft.

NVIDIA is also working with Microsoft Azure, IBM Power and IBM Cloud teams to port lab content to their cloud solutions.

At this week's [GPU Technology Conference](#), in Silicon Valley, the Deep Learning Institute will offer 14 different labs and train more than 2,000 developers on the applied use of AI. View the schedule and register for a session at www.nvidia.com/dli.

Instructors can access the DLI Teaching Kits, which also cover accelerated computing and robotics, at www.developer.nvidia.com/teaching-kits.

More information on course offerings is available at NVDLI@nvidia.com.

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About NVIDIA

[NVIDIA](#)'s (NASDAQ: NVDA) invention of the GPU in 1999 sparked the growth of the PC gaming market, redefined modern computer graphics and revolutionized parallel computing. More recently, GPU deep learning ignited modern AI -- the next era of computing -- with the GPU acting as the brain of computers, robots and self-driving cars that can perceive and understand the world. More information at <http://nvidianews.nvidia.com/>.

Certain statements in this press release including, but not limited to, statements as to the expected number of developers NVIDIA plans to train in 2017; estimates regarding applications with an AI component; AI as the defining technology of our generation; the impact of NVIDIA's Deep Learning Institute; and the offerings at the GPU Technology Conference, are forward-looking statements that are subject to risks and uncertainties that could cause results to be materially different than

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