**ECE 408 Applied Parallel Programming**  
Click the link below to access the course materials for the author-taught course “Applied Parallel Programming” at the University of Illinois at Urbana-Champaign.

* [ECE 408 Applied Parallel Programming](https://ece.illinois.edu/academics/courses/profile/ECE408)

**NVIDIA® CUDA™**  
CUDA™ is a parallel computing platform and programming model that enables dramatic increases in computing performance by harnessing the power of the graphics processing unit (GPU).

* [Learn more about CUDA](http://www.nvidia.com/object/cuda_what_is.html)
* [Download CUDA Tools](http://www.nvidia.com/object/cuda_get.html)

CUDA tools are provided free of charge and can be used to create applications for a wide range of NVIDIA GPUs.

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**OpenCL**  
OpenCL drivers, OpenCL Visual Profiler, OpenCL code samples, and OpenCL Best Practices Guide are available from NVIDIA at the [OpenCL Download Survey page](http://developer.nvidia.com/object/opencl.html).

**gpucomputing.net**  
[gpucomputing.net](http://gpucomputing.net/) is a research and development community dedicated to fostering collaborative and interdisciplinary work on the various disciplines that benefit from GPU computing.