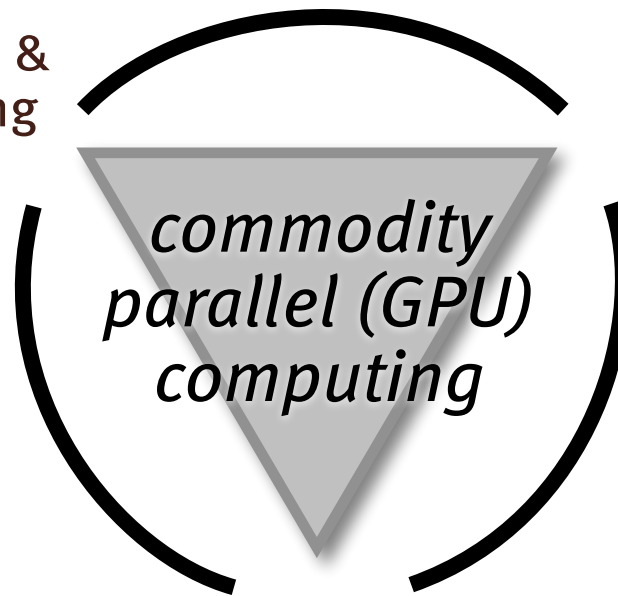


John Owens

Professor of Electrical and Computer Engineering
University of California, Davis

fundamentals:

parallel data structures & algorithms; the building blocks of parallel computation



multi-GPU computing:
scaling to the very largest problems

applications:

Bayesian inference computation, computational fluid dynamics, computer graphics, computer vision, data compression, error diffusion, GPU-based embedded systems, medical imaging, sampling, speech recognition, string matching, tridiagonal systems, visualization.

recent interest: Big Data

... working with DARPA on large graph computation; recent sabbatical at Twitter, thinking about GPUs in the data center

