

# **The Role of the Windows Environment in Science and Engineering Computing**

9:30AM-10:30AM, March 19, 2007  
2820 UCC (University Capital Center)

Dr. Brian Hammond, Microsoft

In this talk we introduce Microsoft's entry into the compute cluster market with Windows Compute Cluster Server, and how this impacts the way scientists do their research. How many of us collect data from different sources, develop applications, run large computational jobs, do data mining, store and reduce the results in Excel, then write up papers and collaborate with our research groups and colleagues, all using different operating systems spending time converting data formats and writing scripts because there is no simple alternative? The goal of Windows Compute Cluster Server is to reduce the complexity of the research environment in two ways: first by making the setup and administration of clusters simple, and second by integrating the cluster with the research desktop, productivity, and collaboration tools."

[Brian Hammond, Ph.D. is a High Performance Computing solution specialist on the Microsoft Windows Compute Cluster Server Incubation Sales Team. Brian started his career in HPC over 24 years ago submitting punch cards to a CDC7600 while completing a B.S. degree at Harvey Mudd College. He went on to earn his Ph.D. in computational chemistry at the University of California, Berkeley. Since then he has worked for many of the industry's leading IT companies: IBM, Fujitsu, Cray, SGI, Sun, and Microsoft. For the last ten years he has worked specifically with universities and research institutions to make HPC more productive and accessible to the research community.]

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