

**Mark Funk presents**

# ***Cluster-Shared Memory***

The technologies used creating the interconnect of multi-chip SMPs and of communicating between clustered blades are merging. The result is that the memory previously spread over many otherwise disjoint but clustered processing nodes is becoming accessible to any of the processors of Shared Memory Clusters. Now picture the contents of many hundreds of terabytes of memory directly accessible to potentially thousands of processors, using the same addressing technologies available today within individual operating systems. The result is a new computer systems architecture capable of both significant performance improvements while at the same time simplifying software development.

*Mark Funk worked at IBM for 34 years and is currently an adjunct professor in computer science at Winona State University.*

**Friday, September 19, 2014**

**4:00 PM**

**NSF 1205**