

**Russ Miller**, Distinguished Professor, SUNY-Buffalo

RUSS MILLER co-authored seminal papers in the fields of parallel algorithms and architectures for the mesh, pyramid, hypercube, and reconfigurable architectures in domains that include computational geometry, image analysis, and fundamental data movement operations. He has published nearly 200 papers, chapters, and abstracts of presentations at national and international meetings and has co-authored two textbooks on parallel and sequential algorithms. His work in theoretical and applied parallel algorithms led to work in molecular structure determination, which was recognized on the IEEE poster “Top Algorithms of the 20<sup>th</sup> Century.” Dr. Miller founded the Center for Computational Research (CCR) at SUNY-Buffalo, where he served as Director from 1998-2006. Under Miller’s leadership, CCR served as a model for infrastructure required to enable 21<sup>st</sup> century discovery and, for a period, was the largest academic supercomputing center in the world. Miller maintains appointments as UB Distinguished Professor of Computer Science and Engineering, Electrical Engineering, and Structural Biology. Miller was instrumental in bringing ~\$0.5 Billion to Western New York, including peer-reviewed funding, appropriations, and contracts. Dr. Miller is an IEEE Fellow for his “contributions to the theory and practice of parallel algorithms and architectures.”