MGHPCC: A Platform for Collaboration

Jim Culbert, MGHPCC

Abstract

The MGHPCC is a high-performance computing datacenter built to support the research computing needs of five Boston area universities: MIT, BU, Northeastern, Harvard and UMass. The center is a public/private venture and was constructed with funds from the five universities, the Commonwealth of Massachusetts, Cisco and, DellEMC. The MGHPCC is a unique regional resource enabling collaborative research and discovery for thousands of scientists at our member institutions as well as state and community sponsored projects. We're also home to the MOC! This talk will provide an overview of the facility, some of the projects that are underway there and we'll touch on "what's new" at the datacenter since the last MOC workshop.

Speaker Bio

Jim Culbert is the Director of IT Services at the Massachusetts Green High Performance Computing Center, a 10MW computer facility located in Holyoke Massachusetts. Jim is responsible for MGHPCC's IT infrastructure as well as IT services provided to tenants. Jim also designs and develops custom software that supports facility operations; works with tenants to deploy proof-of-concept systems and, contributes to sponsored research projects. Jim was on the original design team for the facility.

Jim has over 25 years of industry experience, most recently as CTO at Weather Services International.