

Notice of OARS/CRSS Technical Meeting:

"High Performance Computing in the Cloud?"

Ian Lumb  
Solutions Architect at Univa Corporation

High Performance Computing (HPC) *in* the Cloud *is* viable in numerous applications. Common to all successful applications for cloud-based HPC is the ability to embrace latency. Early successes were achieved with embarrassingly parallel HPC applications involving minimal amounts of data - in other words, there was little or no latency to be hidden. More recently the HPC-cloud community has become increasingly adept in its ability to 'hide' latency and, in the process, support increasingly more sophisticated HPC applications in public and private clouds. In this presentation, real-world applications, deemed relevant to remote sensing, will illustrate aspects of these sophistications for hiding latency in accounting for large volumes of data, the need to pass messages between simultaneously executing components of distributed-memory parallel applications, as well as (processing) workflows/pipelines. Finally, the impact of containerizing HPC for the cloud will be considered through the relatively recent creation of the [Cloud Native Computing Foundation](#) .

Meeting location:

Room MON316  
**Civil Engineering Building**  
Ryerson University  
341 Church Street  
Toronto

Tuesday November 10, 2015  
7:00 pm

[Campus Maps - Ryerson University](#)

All welcome

This meeting will be held with our colleagues from the Canadian Remote Sensing Society (CRSS) Toronto Branch

For more information please contact:

Jim Freemantle  
Technical Programme Director, OARS  
[jfreemantle2006-oars@yahoo.ca](mailto:jfreemantle2006-oars@yahoo.ca)