Title:
Scientific Challenges and Computer Simulations Behind

Speaker:
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Abstract:
The capabilities of the world's largest computers running in research facilities, laboratories, and educational institutions, have crossed an important threshold, and we are moving from the information age to the "knowledge age."
From weather and climate modeling to energy production to genomics, biology and medicine we've seen how the use of high performance computing can drive great developments in science and technology, rather than just analyze and report on it.
During the session, Dr. Goh will discuss how data intensive platforms can be designed to more productively manage and exploit large datasets for faster insight and discovery and this is applicable not only to traditional large supercomputer sites with trained experts, but also to any laboratory or research facility. Dr. Goh will show in a few examples how easy it is today to run applications and manage modern supercomputers in a way that brings benefits to every researcher.