



#HPCMATTERS

Monday, October 2, 2017

1:30-2:30 p.m.,

Lawson Hall, Room 1142

DONA L. CRAWFORD

**Associate Director Emeritus,
Lawrence Livermore National Laboratory**

In a world where everyone has a very powerful computer in their phone, their watch, and their eyeglasses, why do we still need supercomputers, or high performance computers (HPC)? This talk will present the value of HPC for solving grand challenge problems in national security, scientific discovery and economic competitiveness. It will also describe advances in HPC, challenges in taking it to the next level and the global competition.

Dona L. Crawford retired from Lawrence Livermore National Laboratory (LLNL) after having served as Associate Director of Computation for 15 years. In that capacity she led the laboratory's high performance computing efforts, one of the premier computing centers in the world. Prior to her LLNL appointment in July 2001, Crawford was with Sandia National Laboratories since 1976, serving on many leadership projects.

She is currently the President of the Livermore Lab Foundation, a 501(c)(3), whose mission is to promote philanthropic engagement to advance promising scientific research, technology development and educational endeavors at LLNL.

Crawford has served on advisory committees for the National Research Council and the National Science Foundation. She Co-Chaired the Council on Competitiveness High Performance Computing Advisory Committee, and Co-Chaired the CRDF Global Board. She is a Senior Fellow at the Council on Competitiveness, and sits on the Boards of the Monterey Bay Aquarium Research Institute and the Krell Institute. She is a member of the Strategic Research Advisory Council at Purdue University, the California Council on Science and Technology, the Institute of Electrical and Electronics Engineers and the Association for Computing Machinery.