



**Optimization Program WISO Workshop
February 8-10, 2017**

Lecture: *The Road to Exascale and Legacy Software for Dense Linear Algebra*

Speaker: Jack Dongarra

Abstract:

In this talk we will look at the current state of high performance computing and look at the next stage of extreme computing. With extreme computing, there will be fundamental changes in the character of floating point arithmetic and data movement. In this talk we will look at how extreme scale computing has caused algorithm and software developers to change their way of thinking on how to implement and program certain applications.