Dr. James Demmel
Distinguished Professor of Mathematics and Computer Science at the University of California, Berkeley. Demmel is known for his work on LAPACK and more generally for research in numerical algorithms combining mathematical rigor with high performance implementation. Demmel is a member of the National Academy of Engineering, a member of the National Academy of Sciences, a fellow of the Association for Computing Machinery, a fellow of the Institute of Electrical and Electronics Engineers, a fellow of Society for Industrial and Applied Mathematics, and a fellow of the American Mathematical Society.

Lecture 1: Communication Avoiding Algorithms for Linear Algebra and Beyond (Public lecture)
11:10-12:00 pm, Wednesday, October 19, 2016 (lunch will be provided)

Lecture 2: Implementing Communication Avoiding Algorithms
4:00-5:00 pm, Wednesday, October 19, 2016 (tea will start at 3:30 pm)

Lecture 3: Communication Lower Bounds and Optimal Algorithms for Programs that Reference Arrays
11:10-12:00 pm, Thursday, October 20, 2016

Mini-Workshop and group discussion 10:00-12:00 pm, Friday, October 21, 2016

All lectures will be in 114 McAllister building.
Abstracts are available on https://ccma.math.psu.edu/seminars/distinguished-lecture/