

Big Data enables companies to **make better decisions**. Healthcare providers detect and prevent diseases, like Diabetes, years before symptoms develop. Network engineers identify threats and stop attacks before a hacker does any damage. Smart cities reduce energy consumption, optimize traffic signals to reduce CO2 emissions, and guide cars to the nearest available parking lot. This talk with answer the following questions:

What is big data? How do companies use big data? What is MapReduce and how does it work? How does Hadoop scale as volume, variety, and velocity increases?

> Seminar Speaker- Dr. Jeff Pittges Room 110 Nicks Hall Tuesday, September 20<sup>,</sup> 3:15- 4:15

Hosted by the Dept of Computing and the CaRDS Institute at ETSU