

『清华大学信息大讲堂第109讲 —NEC 第8讲』



- **报告题目:** 大规模数据集上的分布式迭代计算
- **报告人 :** 高立新
马萨诸塞大学阿姆赫斯特学院
- **报告时间:** 6月17日 10:00—11:30am
- **报告地点:** FIT楼1-515

摘要:

The advances in sensing, storage, and networking technology have created huge collections of high-volume, high-dimensional data. Making sense of these data is critical for companies and organizations to make better business decisions, and even brings convenience to our daily life. Recent advances in data mining, machine learning, and applied statistics have led to a flurry of data analytic techniques that typically require an iterative refinement process. However, the massive amount of data involved and potentially numerous iterations required make performing data analytics in a timely manner challenging. In this talk, we present a series of distributed frameworks that enable fast iterative computations. By providing the support of iterative computations and asynchronous prioritized execution, we can ensure fast convergence of the iterative process.

个人简介:

Lixin Gao is a professor of Electrical and Computer Engineering at the University of Massachusetts at Amherst. She received her Ph.D. degree in computer science from the University of Massachusetts at Amherst. Her research interests include social networks, and Internet routing, network virtualization and cloud computing. Between May 1999 and January 2000, she was a visiting researcher at AT&T Research Labs and DIMACS. She was an Alfred P. Sloan Fellow between 2003-2005 and received an NSF CAREER Award in 1999. She won the best paper award from IEEE INFOCOM 2010, and the test-of-time award in ACM SIGMETRICS 2010. Her paper in ACM Cloud Computing 2011 was honored with “Paper of Distinction”. She received the Chancellor’s Award for Outstanding Accomplishment in Research and Creative Activity in 2010, and is a fellow of IEEE and ACM.