UNIVERSITY OF SOUTH FLORIDA

Major Research Area Paper Presentation

Energy-Aware Data Storage and In-Memory Parallel Joins in Database Systems
by
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For the Ph.D. degree in Computer Science & Engineering

Energy consumption has become a first-class optimization goal in database management systems (DBMS) and the data storage system is one of the essential components of database. We study the research proposals on designing an energy-aware disk storage system. Furthermore, given that the join operation is one of the most important and expensive operations in data stream management systems (DSMS) as well as database query workloads, we study the parallelization techniques of stream joins and database joins on multi-core CPUs.

April 6th, 2017
1 pm – 2 pm
ENB 313
THE PUBLIC IS INVITED

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