

UNIVERSITY OF SOUTH FLORIDA

Defense of a Doctoral Dissertation

Dynamic Energy-Aware Database Storage and Operations

by

Peyman Behzadnia

For the Ph.D. degree in Computer Science & Engineering

Energy consumption has become a first-class optimization goal in design and implementation of data intensive computing systems. In this research, we design a dynamic power-aware disk storage system in database servers to minimize power consumption while satisfying given query response time requirements. Also, with stream join being an important and expensive database operation, we propose novel parallel stream join algorithms on multicore processors to achieve high-performance energy-efficient stream join processing.

Wednesday, March 7, 2018

10:30 AM

ENB 313

THE PUBLIC IS INVITED

Examining Committee

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