UNIVERSITY OF SOUTH FLORIDA

Defense of a Doctoral Dissertation

Computing GroupBy and Aggregate in Massively Parallel Systems

by

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For the Ph.D. degree in Computer Science at modgineering

The semiconductor industry has mainly exploited two routes for designing microprocessors. **Therental** time to spee up the performance of laten**cy** iented processing contrast the manythread route concentrates on throughputented improvement of parallel processing. Marthread microprocessors, such as Graphics Processing Units (GPUs), are lead computing capability for this past a decade.