A Survey on Benchmarking Systems

As technology advances, the performance of CPUs plays a crucial role in various computational tasks ranging from everyday computing to specialized applications like gaming, artificial intelligence, and scientific simulations. Benchmarking CPU performance helps in understanding and comparing the capabilities of different processors across various workloads. This seminar topic aims to conduct a comprehensive survey on benchmark suites commonly used for evaluating CPU performance.

For this, various state-of-the-art benchmark suites should be analyzed and compared against each other based on pre-defined criteria.

The goal of this survey is to generate an overview and comparative analysis of the different benchmark suites that are available and focus on their unique approaches.

Advisors

Tim Twardzik