Evolution of a Parallel Performance System

Prof. Allen Malony   (University of Oregon)

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10:00-11:00
11:00-12:00

The TAU Performance System (TM) is an integrated suite of tools for instrumentation, measurement, and analysis of parallel programs targeting large-scale, high-performance computing (HPC) platforms. Representing over fifteen calendar years and fifty person years of research and development effort, TAU's driving concerns have been portability, flexibility, interoperability and scalability. The result is a performance system which has evolved into a leading framework for parallel performance evaluation and problem solving. This talk presents the current state of TAU, overviews the design and function of TAU's main features, discusses best practices of TAU use, and outlines future development.

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