



SYMPOSIUM'16

AMERICA – EUROPE – ASIA



THE ASIAN SPEC SYMPOSIUM ON SERVER EFFICIENCY

The SPEC Research Group

Mission Statement

- Provide a platform for collaborative research efforts in the area of quantitative system evaluation and analysis
- Foster interactions and collaborations between industry and academia
- Scope: computer benchmarking, performance evaluation, and experimental system analysis in general

Scope of Research Efforts

- Develop metrics, benchmarks, methodologies, techniques and tools for quantitative system evaluation and analysis e.g., measurement, load/stress testing, profiling, workload characterization
- Broad understanding of term performance
 - Classical performance properties e.g., response times, throughput, scalability, elasticity, and efficiency
 - Other dependability-related quality properties e.g., availability, reliability, security
- Target both industrial technologies as well as purely academic domains
- Evaluate early prototypes and research results as well as full-blown implementations

Repository of Peer-Reviewed Tools

- Tools addressing recurring issues in quantitative system evaluation and analysis
- Selected tools:



Research Benchmarks

- Target existing & newly emerging technologies
- Representative application scenarios and workloads
- Metrics
- Workload scaling and customization guidelines

Working Groups

- Big Data
- Cloud Computing
- DevOps Performance
- Intrusion Detection Systems
- Power

Other Selected Activities

- Portal for benchmarking-related resources
- SPEC Distinguished Dissertation Award
- Conference and workshop organization
 - e.g., ICPE (<http://www.icpe-conference.org/>)

Members

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