
BENCHMARKING PANEL

BENCHMARKING IS THE ART OF GETTING INSIGHT ON RELEVANT
_CHARACTERISTICS OF WHATEVER WE WANT TO COMPARE AMONG PEER
OBJECTS USING INDISPUTABLE METRICS

BENCHMARKING IN HPC: WHAT IS IT ABOUT?

- DETERMINING THE BEST FUTURE SYSTEM FOR MY APPLICATION?
- FINDING HOW MY APPLICATION MAY BEHAVE ON FUTURE SYSTEM ARCHITECTURES?
- MOST FUTURE SYSTEMS, HOWEVER, AS FUTURE APPLICATIONS (OR FUTURE SCIENCE) DO NOT EXIST TODAY

COMMONALITIES

MEASURING, LEARNING, PREDICTING, ADAPTING

ROLE OF BENCHMARKING IN BUSINESS PROCESSES

Computer architectures

Computer centres (service suppliers)



Scientists: application code, algorithms,
Programming models

PANELISTS

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- Andrew Jones, NAG
- John Levesque, CRAY
- Lenny Olliker, LBNL
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KEY QUESTIONS TO THE PANELISTS

- **Q1-** IS BENCHMARKING A RELEVANT ACTIVITY IN HPC OTHER THAN FOR PROCUREMENT?
- **Q2-** SIMPLE & KERNEL BENCHMARKS, REALISTIC BENCHMARKS, HPC BENCHMARK SUITES, SIMULATORS : WHERE IS THE FUTURE?
- **Q3-** HOW CAN BENCHMARKING HELP ANSWERING TO QUESTIONS RAISED DURING SOS 13?