Proposal for NSIC NASD collaborative research

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Not focussed on fund raising

Pre-competetive techn. = pre-standards interfaces

NSIC working group exchange forum

Funding our research

NSIC as a leader of government proposal

- ATP money evaporating
- industry resource commitment inconvenient

Participant efforts independent of NSIC funding

NSIC research = pre-competitive technology

- phyics, chemistry etc

What is physics/chemistry of computer systems?

- layering? management policies? applications?

Focus on Pre-standards effort

Standards is known method of collaboration

- agreement significant enabler of effective competetion

Proposed work not mature enough for standards

- implications on commodity markets
- interactions with complex, formerly independent systems

Focus on proof-of-concept demonstrations

- analytic and simulation modeling
- experimental prototypes
- application suitability case studies

NSIC working group

Discussion forum

- regular meetings encourage regular progress
- demand evidence to influence architectural model
- modeling/experimental parameters/benchmarks
- draw in impacted organizations

Manipulation of public research program

- scrutinize and direct university efforts
- campus site for extended collaborative visits

Reactions

IBM

HP

StorageTek

Seagate

Quantum

Sun

Livermore