

**2nd Conference on
Enabling Technologies for PetaFLOPS Computing**

**Birds of a Feather Session:
Meeting the PITAC Challenge**

**Chaired by
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PF2 BOF

Birds of a Feather - what?

This birds of a feather session will provide an opportunity for participants to express their views on the PITAC final draft findings and recommendations and also on the means by which the PITAC objectives can be met within the practical constraints of today's environment.

Notes will be taken to be fed back to the PITAC and to the agencies at least via the High End Computing and Communications Working Group

Birds of a Feather - how?

The one-hour session will include a set of focus questions and brief statements in response to them by members of our community.

A quick presentation of the IT² plans will be provided to help give the status of the federal response to the PITAC challenge

The majority of the session will be an open forum for general discussions. All are welcome and encouraged to participate.

Question 1

PITAC calls for innovating, non-incremental, approaches to future architecture, technology, and software.

How should the research community consider/review high risk and untried ideas and concepts?

Question 2

What requirements on organization, procedure, relationship with agencies, and involvement of the research community should drive the establishment of an NSF led initiative to carry out the PITAC HEC agenda?

Question 3

**In what ways should the objective of
Petaflops by 2010
drive the research agenda derived from a PITAC
initiative over the next 5 years?**

Question 4

Software systems research and architecture research need to be combined to create the innovative systems proposed by PITAC.

How should independent research groups in the hardware and software arenas collaborate to establish new directions in overall high end systems research and in what ways can/should industry be engaged?