



Expanding Modeling and Simulation with HPC for National Competitive Gain

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My Program: ORNL HPC Industrial Partnerships Program



- Launched a new program to provide U.S companies access to the two high performance computing systems located at Oak Ridge National Laboratory
- Program is in “beta” mode



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My Broader Impact Focus

- By making these systems more accessible to industry, we are ***enhancing infrastructure for research and education.***
- And as more companies gain access, **we are broadening participation in modeling and simulation with leadership computing**



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My Broader Impact Focus

It's a triple win!

For NSF/ORNL

For Industry

For the Country



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My Broader Impact Activities

How do you know it is having Broad Impact?

- Projects must be high risk-high return
- Regular reporting requirements to explain project progress against goals and scientific/business/competitiveness impact.
- Publish/make available results



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A GOOD Activity has ...

- Measurable Results
- Scientific and Business/Competitiveness Impact
- Reach



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Join Us!

- Program open to U.S firms, either individually or collaborating in partnership with other firms or universities.



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My Advice

- To Researchers: Companies need computational scientists who can apply their skills and interests to complex industrial problems. Talk to them! Talk to us!
- To NSF Program Managers: Set aside time on NSF funded HPC systems for companies to have no-cost access for “demonstration projects.”



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Contact Me!

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