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Building Bridges: Hawai'i as a Catalyst for Multinational Partnerships

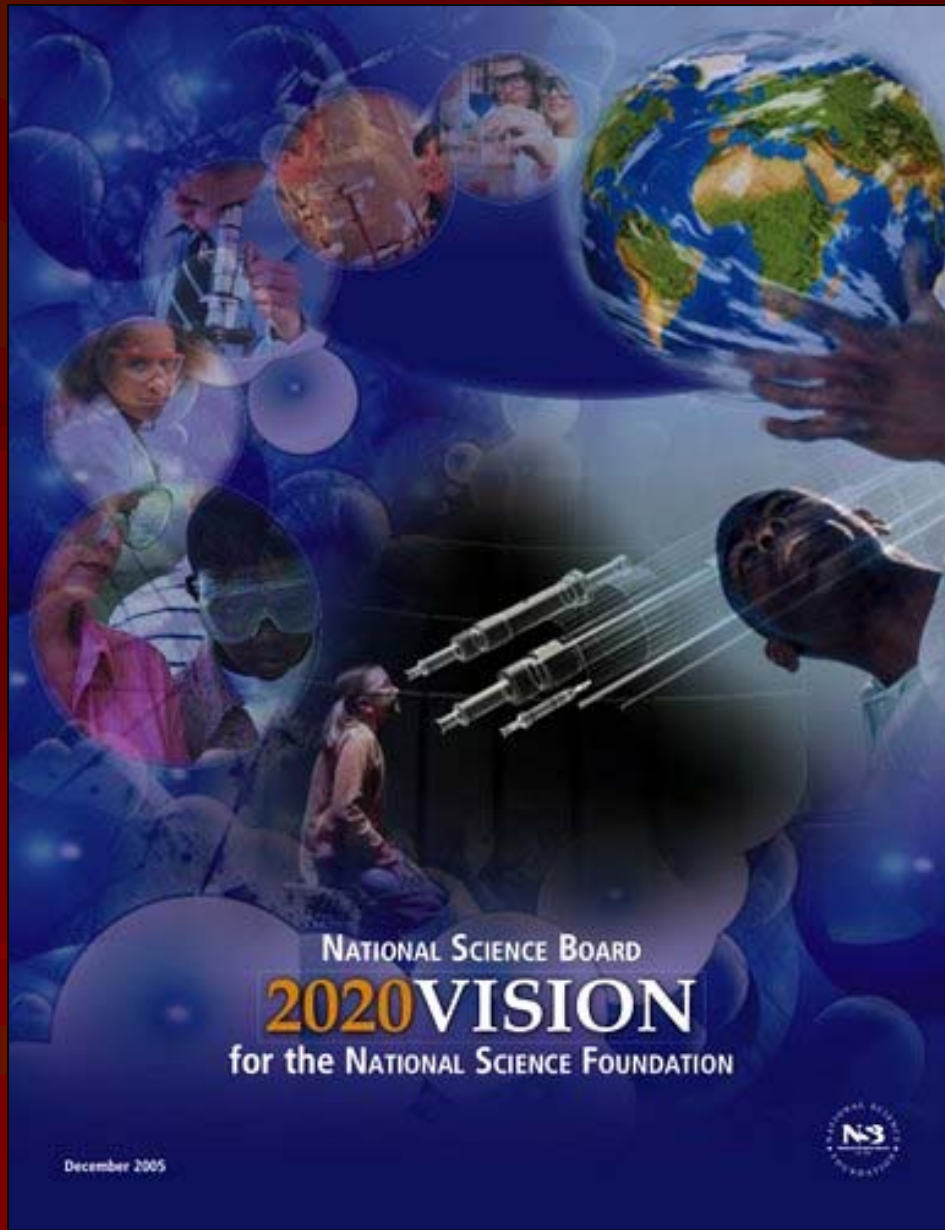
*Informational Briefing
for*

Hawai'i State Legislature

Senate Committee on Economic Development and Taxation

House Committee on Economic Development and Business Concerns

**Dr. Michael P. Crosby
Interim Vice Chancellor for Research
University of Hawai'i at Hilo**



NSB's Vision

“...an America whose knowledge, skills, and values are respected and influential in setting the aspirations and policies of the global research and technology enterprise.

National Science Board

International Science and Engineering Partnerships:

A Priority for U.S. Foreign Policy and Our Nation's Innovation Enterprise

February 14, 2008



NSB Vision for U.S. Support of International S&E Partnerships

“The U.S. Government must advance transformational diplomacy by enhancing a global strategy to support international S&E partnerships.”

Benefits of International Science and Engineering Partnerships

- Advanced science and engineering research
- Improved relations between countries
- Improved quality of life
- Environmental awareness and protection
- Capacity building
- Sustainable economic development
- Energizes U.S. Innovation and Economic Competitiveness

UH Hilo's Vision

Integrate culture, science and technology to prepare students of Hawai'i for global challenges



Ethnic diversity of Hawai'i's People is most evident at UH Hilo



UH Hilo provides students hands-on experience in research





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Pacific International Space Center for Exploration Systems



- UH Hilo is home to PISCES, the only comprehensive, international research & education center dedicated to developing technologies that will enable humans to sustain life on another planet.
- Conceived by JUSTSAP, under the auspices of the State of Hawai`i; established and partially funded by the Hawai`i State Legislature in 2007.
- Built on partnerships between industry, academia and the governments of space-faring nations.
- PISCES works with community and cultural leaders and educators to build on the Hawaiian history of voyaging in the preparation of future voyages into space.



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Applied Engineering

- UHH seeks to broaden its engineering faculty, concurrently enhancing capacity of education and applied research capabilities in other science based departments.
- Priority will be developing state capabilities for research, education, workforce training and business development opportunities.
- Likely focal research expertise and instruction topics will be mechanical, systems and cyber-infrastructure engineering related to sustainable energy, robotics and artificial intelligence.

**Vision for the State of Hawai'i
Hawai'i Leadership in
International S&E Partnerships
should be one of the
Key Ingredients to
Economic Prosperity for the State.**

International S&E partnerships as necessary tools to:

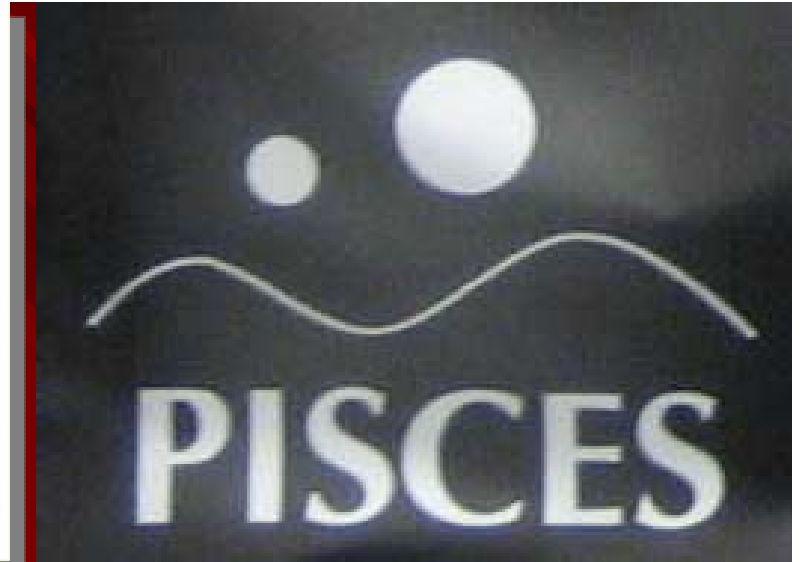
- address critical global S&E challenges and dynamics,**
- build local S&E workforce capacity and expertise, and**
- energize State's innovation and economic competitiveness.**

UH Hilo as a Nexus Institution for Hawai'i where:

- Future generations of scientists and a scientifically literate citizenry are educated and launch their careers,**
- Exciting innovations in science and technology occur, and a**
- New paradigm for making the actual linkages between science and the public good thrives.**



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Mahalo !



Aloha !

