UNIVERSITY OF HAWAI'I HILO

# 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*

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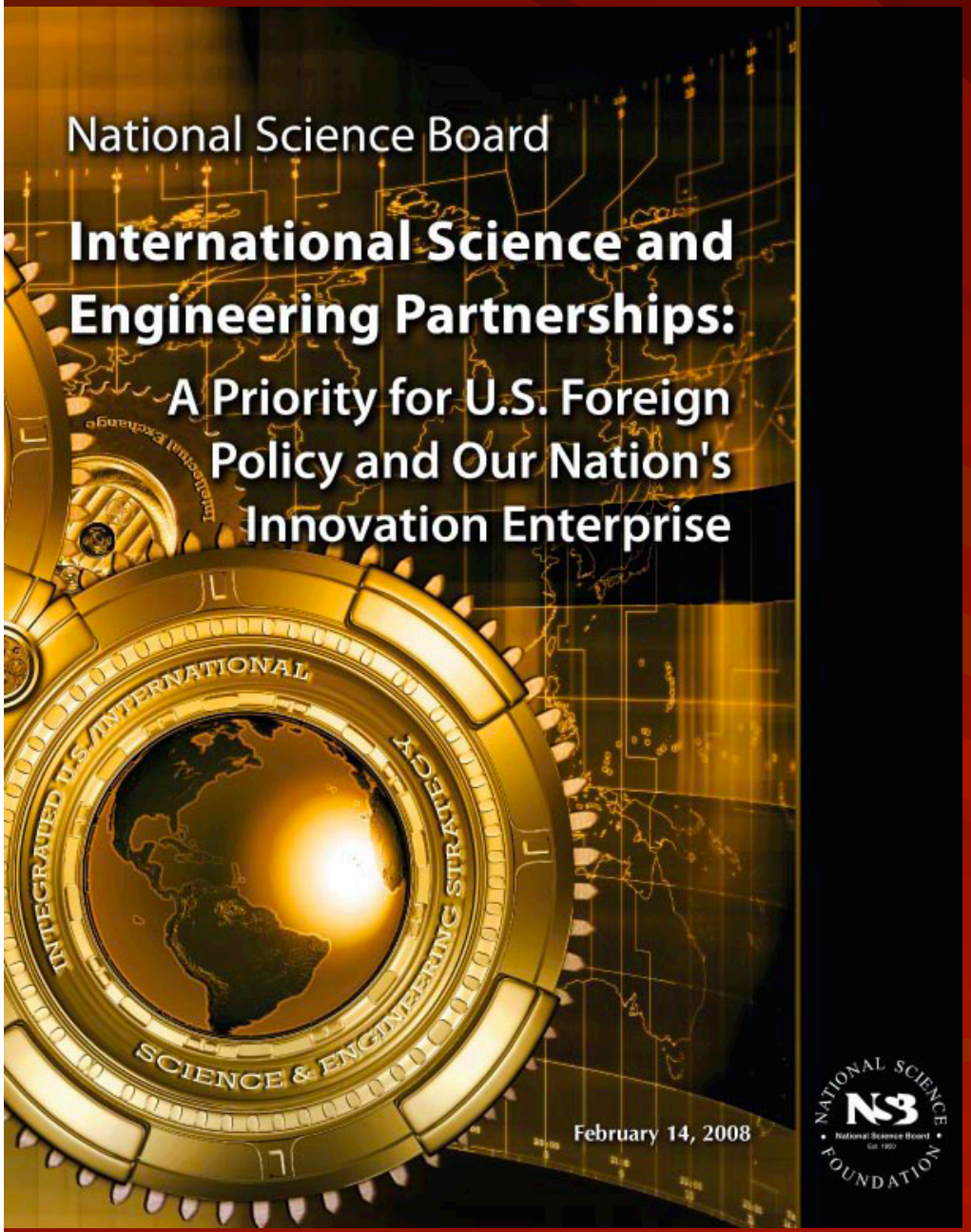
# NSB's Vision

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




# 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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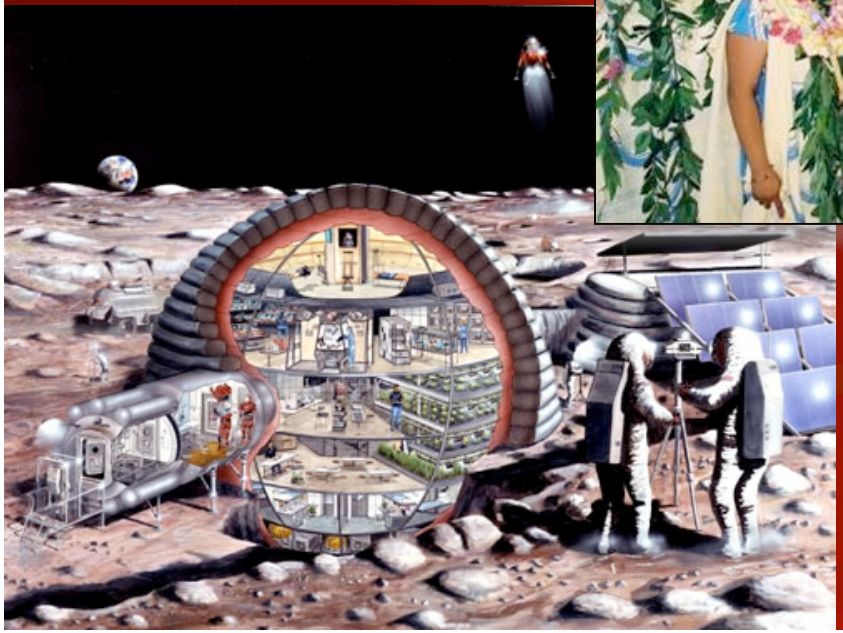
PISCES

**Mahalo !**

**Aloha !**