
HOUSE CONCURRENT RESOLUTION

COMMENDING THE GOVERNOR ARIYOSHI FOUNDATION FOR ITS VISION AND LEADERSHIP IN ADVANCING SPACE EDUCATION AND RESEARCH THROUGH THE HAWAII SPACE INDUSTRY INNOVATION PROGRAM WHICH INTEGRATES SPACE EXPLORATION, EDUCATION, RESEARCH, AND DEVELOPMENT ACTIVITIES TO ENHANCE AND DIVERSIFY HAWAII'S ROLE IN EXPANDING THE FRONTIERS OF SPACE.

1 WHEREAS, Hawaii's strategic mid-Pacific near-equatorial
2 location, Moon and Mars-like terrain, resident scientific and
3 engineering expertise, and long-standing ties with the National
4 Aeronautics and Space Administration and other leading space
5 research and development programs worldwide, afford strategic
6 assets and capabilities that can be leveraged to realize
7 humankind's full potential in space, enabling the State of
8 Hawaii to engage as a major contributor to and beneficiary of
9 global space enterprise; and

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11 WHEREAS, for the past half century, the University of
12 Hawaii, the U.S. military, and numerous companies statewide have
13 played a seminal role in developing our national space program,
14 training astronauts for the Apollo lunar missions, developing
15 world-class observatories to pursue pioneering programs in
16 astronomy and planetary geosciences, expanding satellite
17 communications and space-based remote sensing, and enhancing
18 environmental monitoring and deep-space surveillance; and

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20 WHEREAS, innovative space vanguards are now emerging in the
21 fields of robotics, renewable energy, additive manufacturing,
22 and other areas that are ideally suited for research and
23 development in Hawaii and could afford substantial scientific,
24 educational and commercial benefits for residents statewide; and

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26 WHEREAS, Hawaii's resident expertise in space science and
27 technology, as well as ongoing research and commercial
28 partnerships with space-faring nations worldwide, will position
29 our state to play a leadership role in space exploration,
30 utilization and commerce, beginning with the development,



1 testing and evaluation of prototype habitats and related in-
2 situ resource utilization technologies to enable and support
3 future space missions, especially those aligned with the
4 National Aeronautics and Space Administration's Artemis lunar
5 return program; and

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7 WHEREAS, the Hawaii Space Industry Innovation Program is a
8 space educational and scientific research initiative recently
9 launched through the Governor Ariyoshi Foundation - a 501(c)3
10 nonprofit organization - by its Advisory Team comprised of
11 leading space professionals from government and industry; and

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13 WHEREAS, the Hawaii Space Industry Innovation Program is
14 designed to help facilitate space education and research
15 initiatives that leverage Hawaii's strategic location, geology,
16 scientific and technical resources, and international alliances,
17 in concert with space-related research, education, and
18 commercial development statewide, to help expand and diversify
19 space commerce in Hawaii that will benefit all of humankind; and

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21 WHEREAS, to achieve this goal, the Hawaii Space Industry
22 Innovation Program is exploring diverse opportunities to help
23 launch both public-private partnerships and multinational
24 alliances that will enhance Hawaii's interface and collaboration
25 with the global space community; and

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27 WHEREAS, these partnerships and alliances will build upon
28 and promote collaboration with and support for ongoing space
29 enterprise statewide - including but not limited to the Hawaii
30 Space Exploration Analog and Simulation program, the Pacific
31 International Space Center for Exploration Systems, the Hawaii
32 Office of Aerospace Development, the Hawaii Space Flight
33 Laboratory, the Institute for Astronomy, the Blue Planet
34 Foundation, and the International MoonBase Alliance; now,
35 therefore,

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37 BE IT RESOLVED by the House of Representatives of the
38 Thirtieth Legislature of the State of Hawaii, Regular Session of
39 2020, the Senate concurring, that the Legislature wishes to help
40 advance the strategic role Hawaii can play and significant
41 benefits our state can realize in pursuing the substantial



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1 scientific, educational and economic opportunities provided
2 through space research, exploration and development; and

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4 BE IT FURTHER RESOLVED that, to achieve this goal, the
5 State of Hawaii (through both its Administrative and Legislative
6 branches) shall explore strategies to collaborate with the
7 Hawaii Space Industry Innovation Program to both launch and
8 sustain educational and research opportunities that could help
9 realize multiple space exploration and development
10 opportunities; and

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12 BE IT FURTHER RESOLVED that, the initial emphasis in these
13 negotiations will be to leverage our state's lunar-like terrain
14 and diverse space-related programs to help advance humankind's
15 exploration and development of the Moon, promoting research and
16 development of innovative technologies (including but not
17 limited to tele-robotic systems, communications networks, cis-
18 lunar positioning and navigation systems, and in-situ resource
19 utilization), as well as the design, development, testing and
20 validation of prototype lunar architectures (including ongoing
21 efforts to develop a lunar research and development park on the
22 Island of Hawaii) that could help expand and diversify both
23 scientific and commercial ventures on the lunar surface as well
24 as in cis-lunar space, which in turn will help advance and
25 sustain the National Aeronautics and Space Administration's
26 ongoing Artemis Program; and

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28 BE IT FURTHER RESOLVED that, to promote and realize these
29 goals, the State of Hawaii (through both its Administrative and
30 Legislative branches) shall also explore ways to provide state
31 funding for the Hawaii Space Industry Innovation Program
32 initiatives in consultation with the Hawaii Space Industry
33 Innovation Program Advisory Team; and

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35 BE IT FURTHER RESOLVED that certified copies of this
36 Concurrent Resolution be transmitted to the Governor and
37 Lieutenant Governor, the Director of the Department of Business,
38 Economic Development and Tourism, the President of the
39 University of Hawaii; the Adjutant General, the Commander of the
40 United States Indo-Pacific Command; the Commander of the United
41 States Pacific Fleet; the Commander of the Pacific Air Forces;
42 the Commanding General of the United States Army Pacific; the



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1 Commander of the United States Marine Corps Forces, Pacific; the
 2 Administrator of the Federal Aviation Administration, and the
 3 Administrator of the National Aeronautics and Space
 4 Administration.
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OFFERED BY:

[Handwritten signatures and names]
 Paul McCrumb
 Tim Winters
 Val Oka
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MAR - 4 2020

