
SENATE RESOLUTION

URGING THE EXECUTIVE AND LEGISLATIVE BRANCHES OF THE STATE OF HAWAII TO PROMOTE AND REALIZE THE VISION AND FULL POTENTIAL OF THE GLOBAL ALLIANCE FOR INTERNATIONAL COLLABORATION IN SPACE INITIATIVE AND EXPLORE WAYS TO PROVIDE STATE ADMINISTRATIVE AND FUNDING SUPPORT FOR THE INITIATIVE, IN CONSULTATION WITH THE HAWAII SPACE INDUSTRY INNOVATION PROGRAM AND GOVERNOR ARIYOSHI FOUNDATION.

1 WHEREAS, humanity is now embarking on a new era of space
2 enterprise, with both public and private research and development
3 institutions worldwide exploring innovative approaches to advance
4 space science, exploration, and development; and
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6 WHEREAS, leveraging these innovations, space-faring nations
7 are working to expand and diversify their space-related activities,
8 while non space-faring countries will also benefit from pioneering
9 technologies emerging through this revolution - enabling pathways
10 for all of humanity to engage on the frontiers of space; and
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12 WHEREAS, over the past half century, Hawaii has played an
13 instrumental and inspiring role enabling humankind's exploration
14 of the Cosmos - from the training of Apollo astronauts that
15 pioneered manned missions to the Earth's Moon, to the
16 development of world-class telescopes that are rapidly expanding
17 our knowledge of and insights into the Cosmos; and
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19 WHEREAS, Hawaii's strategic mid-Pacific near-equatorial
20 location, Moon and Mars-like terrain, resident scientific and
21 engineering expertise, and long-standing ties with the National
22 Aeronautics and Space Administration (NASA), the Japanese
23 Aerospace Exploration Agency (JAXA), the European Space Agency
24 (ESA), and other leading space research and development programs
25 worldwide, afford strategic assets and capabilities that can be
26 further leveraged to help realize humankind's full potential in
27 space, as well as enable our State to expand its role as a major
28 contributor to and beneficiary of global space initiatives; and
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1 WHEREAS, recognizing this potential, a team of visionary
 2 space professionals, coordinated through the Governor Ariyoshi
 3 Foundation's Hawaii Space Industry Innovation Program (HiSPACE),
 4 is now exploring creative ways to engage with government agencies,
 5 scientific institutions, universities, commercial space ventures,
 6 and space organizations worldwide - leveraging Hawaii's strategic
 7 space assets and capabilities in promoting public-private
 8 partnerships and international alliances that can help reduce the
 9 costs, enhance the benefits, and accelerate timetables for future
 10 space exploration and development; and

11
 12 WHEREAS, known as the Global Alliance for International
 13 Collaboration in Space (GALIX), this initiative will both inspire
 14 and promote innovative approaches to space enterprise, exploring
 15 multiple opportunities to expand and diversify space education,
 16 training, and research that could advance space missions (robotic
 17 and human) to the Moon, Mars, and other solar system bodies, as
 18 well as enrich and help sustain human civilizations on Earth; and

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 20 WHEREAS, the multiple value-added opportunities promoted
 21 through the GALIX initiative program include, but will not be
 22 limited to, innovative space education activities, diverse space
 23 training initiatives, and pioneering space research and
 24 development to both promote and enable collaborative space
 25 enterprise that ultimately will engage and directly benefit all
 26 of humankind; and

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 28 WHEREAS, GALIX goals and operational objectives will be
 29 developed by an international steering committee over the coming
 30 months, and will be designed to explore and promote new types of
 31 cooperative space ventures and related financing, as well as
 32 innovative organizational models and international alliances,
 33 that can help expand and diversify humankind's exploration of and
 34 development in space; and

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 36 WHEREAS, GALIX will seek to promote its multiple goals and
 37 operational objectives through memoranda of understanding with key
 38 space institutions and organizations, publications in key space
 39 journals, discussions during space webinars with the global space
 40 community, and presentations through online media; and

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1 WHEREAS, progress toward achieving these goals will be
2 measured by the breadth and diversity of GALIX initiatives, the
3 number and diversity of organizations and institutions engaged in
4 this enterprise, and the extent and long-term sustainability of
5 public-private partnerships and multinational alliances launched
6 to enable and promote GALIX initiatives; and
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8 WHEREAS, GALIX will be reaching out to a broad range of
9 institutions and programs to engage with this alliance, including
10 space agencies and councils, space associations and societies,
11 international space organizations and relevant U.N. offices and
12 agencies, universities and research institutes with space
13 interests, space corporations, space-related foundations and
14 organizations, and space media; and
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16 WHEREAS, these partnerships will build upon and promote
17 collaboration with and support for ongoing space enterprise
18 statewide - including but not limited to the Hawaii Space Industry
19 Innovation Program (HiSPACE), the Hawaii Space Exploration Analog
20 and Simulation (HI-SEAS) Program, the Pacific International Space
21 Center for Exploration Systems (PISCES), the Hawaii Space Flight
22 Laboratory (HSFL), the Institute for Astronomy (IfA), the Blue
23 Planet Foundation (BPF), and the International MoonBase Alliance
24 (IMA); now, therefore,
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26 BE IT RESOLVED by the Senate of the Thirty-first
27 Legislature of the State of Hawaii, Regular Session of 2021,
28 that the executive and legislative branches of the State of
29 Hawaii are urged to promote and realize the vision and full
30 potential of the GALIX initiative and explore ways to provide
31 state administrative and funding support for the initiative, in
32 consultation with the HiSPACE Advisory Team and Governor
33 Ariyoshi Foundation; and
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35 BE IT FURTHER RESOLVED that the Governor Ariyoshi
36 Foundation is commended for its sustained vision and leadership
37 in supporting space research and exploration through HiSPACE and
38 endorsing this program's ongoing efforts to establish GALIX,
39 headquartered in Hawaii, as a multinational coalition to both
40 expand and diversify space ventures for all humankind, thereby
41 enhancing Hawaii's pioneering role on the frontiers of space;
42 and



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2 BE IT FURTHER RESOLVED that the Legislature acknowledges and
3 wishes to help advance the strategic role Hawaii can play and
4 significant benefits our State can realize in pursuing the
5 substantial scientific, educational, and economic opportunities
6 afforded through space research, exploration, and development;
7 and
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9 BE IT FURTHER RESOLVED that the Global Alliance for
10 International Collaboration in Space (GALIX), established through
11 the Hawaii Space Industry Innovation Program (HiSPACE) of the
12 Governor Ariyoshi Foundation and engaging aerospace professionals
13 from around the world, has tremendous potential to advance both
14 public-private partnerships and international alliances that can
15 expand and diversify humankind's exploration of the Cosmos, and
16 in so doing strengthen Hawaii's pioneering and leadership role in
17 space enterprise; and
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19 BE IT FURTHER RESOLVED that certified copies of this
20 Resolution shall be transmitted to the Governor; Lieutenant
21 Governor; Director of the Department of Business, Economic
22 Development, and Tourism; President of the University of Hawaii;
23 Adjutant General; Commander of the United States Indo-Pacific
24 Command; Commander of the United States Pacific Fleet; Commander
25 of the Pacific Air Forces; Commanding General of the United States
26 Army Pacific; Commander of the United States Marine Corps Forces,
27 Pacific; Administrator of the Federal Aviation Administration; and
28 Administrator of the National Aeronautics and Space
29 Administration.

