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**TESTIMONY IN STRONG SUPPORT OF SR 169 / SCR 204
THIRTY-FIRST LEGISLATURE, 2021
STATE OF HAWAII**

March 23, 2021

Space Renaissance International (SRI) is submitting this testimony in strong support of Senate Resolution 169 and Senate Concurrent Resolution 204, which commend the Governor Ariyoshi Foundation for its sustained vision and leadership in advancing space research and development through the Hawaii Space Industry Innovation Program (HiSPACE), and endorses this program's ongoing efforts to establish a Global Alliance for International Collaboration in Space (GALIX), headquartered in Hawaii, that will promote both public-private partnerships and international alliances to help expand and diversify space adventures for all humankind.

SRI is a global organization dedicated to advancing civilization's expansion into the Outer Space, and natural progression of humanity into the Cosmos, in our development as a species. Our overall mission is to facilitate the evolution of humankind as an interplanetary species, with the goal of enabling humanity to become an interstellar civilization. Our short term focus, towards 2030, is to assure an higher priority to the development of technologies enabling civilians to travel, work and live in space, protecting human life and health in space, to favor a sustainable geo-lunar industrial settlement.

GALIX will develop and promote innovative strategies that could help achieve the above goals, advancing collaborative efforts among government agencies, universities, scientific institutions, commercial space ventures, and international organizations to help launch and sustain diverse space ventures. This will include (but not be limited to) recommendations for new space education, training, safety, financing, and capacity-building programs, as well as the development and implementation of innovative technologies and related space applications that ultimately could reduce the costs, enhance the benefits, and accelerate timetables for future space enterprise.

We therefore encourage your State's support for the GALIX initiative, and thank you for the opportunity to express SRI's strong advocacy for these resolutions.

Sincerely,

Adriano V. Autino

Space Renaissance International, President

**TESTIMONY IN STRONG SUPPORT OF SR 169
THIRTY-FIRST LEGISLATURE, 2021
STATE OF HAWAII**

March 17, 2021

Senator Glenn Wakai, Chair
Senator Bennette E. Misalucha, Vice Chair
Senate Committee on Energy, Economic Development, and Tourism
Hawaii State Legislature

Dear Chair Wakai, Vice Chair Misalucha, and Members of the EET Committee:

I am submitting this testimony in strong support of Senate Resolution 169, which commends the Governor Ariyoshi Foundation for its sustained vision and leadership in advancing space research and exploration through the Hawaii Space Industry Innovation Program (HiSPACE), as well as endorses this initiative's ongoing efforts to establish a Global Alliance for International Collaboration in Space (GALIX), to be headquartered in Hawaii, that would promote both public-private and international alliances that can expand and diversify space exploration and development for all humankind – thereby enhancing our State's pioneering role in advancing the frontiers of space.

As presented in this resolution, humanity is now embarking on a new era of space exploration and development that holds tremendous promise for the future of our species. Hawaii's strategic near-equatorial and mid-Pacific location, Moon- and Mars-like terrain, resident scientific and engineering expertise, and diverse alliances with space agencies and organizations worldwide, will continue to enable our State to play a pivotal and timely role in advancing such enterprise – especially in ways that ultimately will reduce the costs, enhance the benefits, and accelerate timetables for space missions.

Headquartered in Hawaii, GALIX will be able to leverage our State's space-related assets and capabilities to advance humankind's spaceward quest, and in so doing further enhance Hawaii's leadership roles on the frontiers of space. SR169 underscores and applauds the strategies that GALIX will use to help realize this potential, engaging space-related initiatives statewide in collaborative ventures with the global space community that can truly benefit not only our State, but all humankind. As such, your strong endorsement of SR169 would be greatly appreciated!

Mahalo for the opportunity to testify on this resolution.

With Aloha,

A handwritten signature in black ink, appearing to read "Jim Crisafulli", written in a cursive style.

Jim Crisafulli

Director / Co-Founder, Hawaii Space Industry Innovation Program (HiSPACE)
Executive Director / Co-Founder - GALIX

**TESTIMONY IN STRONG SUPPORT OF SR 169 / SCR204
THIRTY-FIRST LEGISLATURE, 2021
STATE OF HAWAII**

March 23, 2021

Senator Glenn Wakai, Chair
Senator Bennette E. Misalucha, Vice Chair
Senate Committee on Energy, Economic Development, and Tourism
Hawaii State Legislature

Dear Chair Wakai, Vice Chair Misalucha, and Members of the EET Committee:

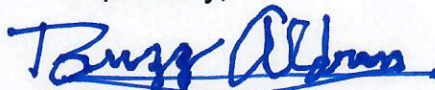
I am submitting this testimony in strong support of Senate Resolution 169 and Senate Concurrent Resolution 204, which commend the Governor Ariyoshi Foundation for its sustained vision and leadership in advancing Space research and exploration through the Hawaii Space Industry Innovation Program (HiSPACE), as well as endorse this program's ongoing efforts to establish a Global Alliance for International Collaboration in Space (GALIX), to be headquartered in Hawaii, that would promote both public-private partnerships and international alliances that could both expand and diversify space exploration and development for all humankind – thereby enhancing Hawaii's pioneering role in advancing the frontiers of space.

We are now embarking on a new era of Space research and development that will enable diverse opportunities for the future of humanity in space. For many years, Hawaii's near-equatorial and mid-Pacific location, Moon- and Mars-like terrain, resident scientific and engineering expertise, and diverse alliances with Space agencies and organizations worldwide have enabled your state to play a strategic role in advancing Space enterprise, and I personally have enjoyed working with Hawaii in pursuing these adventures and significant goals for our Nation.

I endorse the vision for GALIX and the role it could play in advancing humankind's spaceward quest, and would strongly encourage your Legislature's support for SR169 and SCR204!

I appreciate the opportunity to testify on this resolution.

Respectfully,



Dr. Buzz Aldrin

Apollo XI

Chairman Emeritus

Hawaii Space Industry Innovation Program

**TESTIMONY IN STRONG SUPPORT OF SR 169 / SCR 204
THIRTY-FIRST LEGISLATURE, 2021
STATE OF HAWAII**

Date March 21st, 2021(Spring Equinox)

I am submitting this testimony in strong support of Senate Resolution 169 / SCR 204, which commend the Governor Ariyoshi Foundation for its sustained vision and leadership in advancing space research and exploration through the Hawaii Space Industry Innovation Program (HiSPACE), and which endorses this initiative's ongoing efforts to establish a Global Alliance for International Collaboration in Space (GALIX), to be headquartered in Hawaii, that would promote both public-private and international alliances that can expand and diversify space exploration and development for all humankind.

As the North American coordinator of activities for the Moon Village Association, I was invited and delighted to be part of the panel to present charts for the inaugural GALIX conference where several visionaries from around the globe voiced need for global cooperation in outer space activities.

I too feel that Hawaii is located in the right geographical location to bring the world together in what is an endeavor that is truly advancing the cause for species integrity and vital cooperation, much needed at this time, to protect species security and biosphere well being.

Hawaii has done extremely well in this regard with several directed initiatives and I am happy to be part of it and wish GALIX much success, and wish strong support for above mentioned Senate resolution to carry the globe of nations and the next generation of brave Hawaiian explorers outward into the Cosmos for the betterment of ALL humanity.

Thank you for the opportunity to express my/our strong support for this resolution.

Sincerely,

Madhu Thangavelu

Name Madhu Thangavelu

<https://pressroom.usc.edu/madhu-thangavelu/>

Title: Conductor, ASTE527, Graduate Space Concepts Studio, Viterbi School of Engineering & School of Architecture, University of Southern California, Los Angeles, A 90089
Board of Directors, National Space Society, Vice President NSS India Region,
Representing Organizations: USC, AIAA, NSS, MVA, IMA, PISCES, TPS

**TESTIMONY IN STRONG SUPPORT OF SR 169 / SCR 204
THIRTY-FIRST LEGISLATURE, 2021
STATE OF HAWAII**

22 March 2021

I am submitting this testimony in strong support of Senate Resolution 169 / SCR 204, which commend the Governor Ariyoshi Foundation for its sustained vision and leadership in advancing space research and exploration through the Hawaii Space Industry Innovation Program (HiSPACE), and which endorses this initiative's ongoing efforts to establish a Global Alliance for International Collaboration in Space (GALIX), to be headquartered in Hawaii, that would promote both public-private and international alliances that can expand and diversify space exploration and development for all humankind.

Thank you for the opportunity to express my/our strong support for this resolution.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert M. Kelso". The signature is fluid and cursive, with the first name "Robert" being the most prominent part.

Robert M. Kelso
Program Director
ORBITBeyond, Inc.
(formerly Executive Director, PISCES – Hawaii)

**TESTIMONY IN STRONG SUPPORT OF SR 169 / SCR 204
THIRTY-FIRST LEGISLATURE, 2021
STATE OF HAWAII**

28 March 2021

LATE

I am submitting this testimony in strong support of Senate Resolution 169 / SCR 204, which commend the Governor Ariyoshi Foundation for its sustained vision and leadership in advancing space research and exploration through the Hawaii Space Industry Innovation Program (HiSPACE), and which endorses this initiative's ongoing efforts to establish a Global Alliance for International Collaboration in Space (GALIX), to be headquartered in Hawaii, that would promote both public-private and international alliances that can expand and diversify space exploration and development for all humankind.

Space is becoming of ever increasing importance to our daily lives, providing directions as we drive, warning us of inclement weather, allow us global communications, and ensuring our security. New technological innovations that deliver new capabilities from orbiting satellites, or beyond, are being developed that can reduce the demand for carbon-based energy, secure our presence in the cyberworld, and make global food production and distribution more efficient. While the nations of the world have, this far, cooperated in the use of this ultimate high ground for the past half-decade, we are beginning to see the same issues in space as we see on the Earth's surface: congestion, pollution, aggression. GALIX has been established with the goal to provide a forum where people and organizations from around the world with a vested interest to see space remain accessible and usable for the benefit of all of humanity can meet to discuss differences and challenges in an open and constructive environment. Only through dialog enabled by platforms such as GALIX can we address issues and differences regarding the use and protection of space, and avert the calamities that we have created here on earth.

Thank you for the opportunity to express my strong support for this resolution.

Sincerely,



Steve Skladanek
President,
Lockheed Martin Commercial Launch Service

**TESTIMONY OF MICHELLE L.D. HANLON
IN STRONG SUPPORT OF SR 169 / SCR 204
THIRTY-FIRST LEGISLATURE, 2021
STATE OF HAWAII**



I am submitting this testimony in strong support of Senate Resolution 169 / SCR 204, which commends the Governor Ariyoshi Foundation for its sustained vision and leadership in advancing space research and exploration through the Hawaii Space Industry Innovation Program (HiSPACE), and which endorses this initiative's ongoing efforts to establish a Global Alliance for International Collaboration in Space (GALIX), to be headquartered in Hawaii, that would promote both public-private and international alliances that can expand and diversify space exploration and development for all humankind.

The relationship of Hawaiians to space is unique and intimate. More than 1500 years ago, Polynesians arrived in Hawaii, after navigating the ocean using only the stars to guide them. The story of the Polynesians is the closest parallel we can find in our terrestrial history to humanity's exploration of space today. Centuries ago, groups of people lived on islands dotted throughout the South Pacific. Looking out over the ocean, they could not see beyond the horizon. Yet they were undaunted. The urge to explore, to seek out new worlds, propelled them across great swaths of ocean to places unknown and perhaps even hostile. It is this spirit of adventure, coupled with respect for nature and the cosmos that will drive humanity to its destiny in space.

But the exploration of space is much more than a dream of a few adventurers. Space activity is vital to our current global economy and will be the backbone of our future. Literally everything we do here on Earth depends on a space capacity, and we have only just begun to understand how to harness the multitude of resources space has to offer.

And finally, it is our understanding of place in space that will ultimately bring peace to Earth. All astronauts have returned to Earth with a fresh vision. When you see Earth from space, you do not see borders, you only see beauty. This perspective will fuel the kinship all we humans need to assure our sustainable future.

GALIX plays a vital role and singular role in human space exploration. By bringing together diverse people here on Earth GALIX helps nurture the innovation and inspiration that will allow human space exploration to succeed. Moreover, GALIX will help broaden the reach of space benefits and ultimately start to sow the alliances and collaboration that will ultimately result in the peace we all seek.

I urge support for Senate Resolution 169 / SCR 204 which highlights Hawaii's leadership in the human effort to explore space to find peace. Thank you for your consideration.

Michelle L.D. Hanlon
President, National Space Society
President, For All Moonkind
Co-Director, Center for Air and Space Law at the University of Mississippi School of Law
Former Kamaaina who was married in special ceremony at Honolulu Hale in 1988