SENATE CONCURRENT RESOLUTION

REQUESTING THE OFFICE OF AEROSPACE DEVELOPMENT TO ESTABLISH THE MULTINATIONAL LUNAR ARCHITECTURE ALLIANCE.

WHEREAS, Hawaii's strategic, mid-Pacific, near-equatorial location; Moon and Mars-like terrain; resident expertise engaging multiple aerospace-related technologies; and long-standing ties with space-faring nations worldwide, afford strategic assets and capabilities that enable the State to engage as a major contributor and beneficiary of the global space enterprise; and

WHEREAS, for the past half century, Hawaii has played a seminal role in developing and contributing to national space programs; and

WHEREAS, new opportunities are forthcoming in the space industry that are ideally suited for the State which hold substantial scientific, educational, and commercial promise for Hawaii residents; and

WHEREAS, an expanded and diversified space economy would enrich terrestrial civilizations, help preserve the Earth's fragile environment, and ultimately enable sustainable human exploration on Mars and throughout the solar system; and

WHEREAS, sustainable space settlement will require advances in key technologies such as life support systems, telecommunications, power generation, and food production; and terrestrial-based testing and evaluation of these technologies will play an indispensable role in their long-term development and implementation; and

WHEREAS, Hawaii County's Moon-like terrain affords an ideal environment for multinational teams to develop, test, and validate new space technologies; and would enable participation
opportunities for local scientists, engineers, entrepreneurs, and students; now, therefore,

BE IT RESOLVED by the Senate of the Twenty-ninth Legislature of the State of Hawaii, Regular Session of 2017, the House of Representatives concurring, that the Office of Aerospace Development within the Department of Business, Economic Development, and Tourism is requested to establish and administer the Multinational Lunar Architecture Alliance (Alliance) to guide the development and implementation of prototype lunar architecture in the County of Hawaii; and

BE IT FURTHER RESOLVED that the Alliance be compromised of representatives from:

(1) Hawaii-based organizations, including but not limited to the Office of Aerospace Development, the Pacific International Space Center for Exploration Systems, and the Hawaii Space Exploration Analog and Simulation program;

(2) The National Aeronautics and Space Administration, including but not limited to the Space Portal at the National Aeronautics and Space Administration Ames Research Center and the Exploration Integration and Science Office at the Johnson Space Center;

(3) Other appropriate federal agencies, including but not limited to the Federal Aviation Administration, United States Pacific Command, and United States Army Pacific Command;

(4) Other national space agencies;

(5) The Lunar Exploration and Analysis Group;

(6) The Universities Space Research Association, including the Lunar and Planetary Institute;

(7) Major corporations representing aerospace, information technology, renewable energy, robotics, manufacturing, and other appropriate industrial sectors;
(8) National space advocacy organizations, including but not limited to the National Space Society, Lunar Explorers Society, Space Frontiers Foundation, and American Astronautical Society;

(9) International space agencies and organizations, including but not limited to the International Lunar Exploration Working Group, International Space Exploration Coordination Group, and Committee on Space Research; and

(10) The United Nations Office for Outer Space Affairs; and

BE IT FURTHER RESOLVED that the Alliance hold its first organizational teleconference, coordinated by the Office of Aerospace Development, by August 1, 2017; and

BE IT FURTHER RESOLVED that working in collaboration with the Office of Aerospace Development, the Alliance develop an agenda and invitational list for staging an international lunar development summit in the County of Hawaii in October 2017; and

BE IT FURTHER RESOLVED that the October 2017 summit focus on:

(1) Identifying the major goals and challenges associated with the design and validation of a prototype lunar architecture in Hawaii; and

(2) Formulating strategies for enabling public-private partnerships to support the organization and implementation of multinational research activities and commercial ventures on the lunar surface and in cis-lunar space; and
BE IT FURTHER RESOLVED that certified copies of this Concurrent Resolution be transmitted to the Director of Business, Economic Development, and Tourism; and Director of the Office of Aerospace Development.

OFFERED BY:

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