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Statement of  
**CHUNG I. CHANG**  
**Office of Aerospace Development Coordinator**  
Department of Business, Economic Development, and Tourism  
before the  
**SENATE COMMITTEE ON WAYS AND MEANS**

Wednesday, February 20, 2019  
10:05 AM  
State Capitol, Conference Room 211

In consideration of  
**SB 909, SD1**  
**RELATING TO THE UNIVERSITY OF HAWAII.**

Chair Dela Cruz, Vice Chair Keith-Agaran and members of the Committee. The Office of Aerospace Development (OAD) **SUPPORTS** SB 909, SD1, that appropriates funds for the aeronautical sciences program at the University of Hawaii at Hilo.

OAD is a focal point within the State to facilitate dialogue and coordination to promote the growth and diversification of Hawaii's aerospace industry. As part of promoting the aerospace-related industries in Hawaii, to include aviation, we catalyze partnership with local universities to improve the relevance and quality of university education and training to support that goal.

Worldwide shortage of pilots and the increasing need for Unmanned Aerial System operators have been well documented by the respective industries. The aeronautical science program at UH Hilo will provide local students with opportunities in innovative education and highly-skilled careers in the future.

Thank you for the opportunity to testify.



# UNIVERSITY OF HAWAII SYSTEM

## Legislative Testimony

**LATE**

Testimony Presented Before the  
Senate Committee on Ways and Means  
Wednesday, February 20, 2019, 10:05 a.m., Room 211  
by  
Marcia Sakai, Interim Chancellor  
University of Hawai'i at Hilo

### SB 909 SD1 – RELATING TO THE UNIVERSITY OF HAWAII

Chair Dela Cruz, Vice Chair Keith-Agaran, and members of the committee:

Thank you for the opportunity to submit testimony on SB 909 SD1, which appropriates funding for an Aeronautical Sciences degree program at the University of Hawai'i at Hilo. Resources needed for 2019-2020 are \$446,000 including two full-time equivalent positions (2.0 FTE) and program costs. Program costs include one professional full motion aircraft simulator, one closed cockpit simulator, 6 desktop simulators, and a combination of drones for teaching and data collection along with sensor technologies. A total of four full-time equivalent positions (4.0 FTE) and ongoing operating costs for 2020-2021 are projected to be \$365,000.

The bill will support the UH Hilo campus in its development of the Bachelor of Science in Aeronautical Sciences program, which will provide training for both commercial aviation pilots and for commercial pilots in the rapidly growing field of unmanned aviation technology. Both of these have predicted shortages.

UH Hilo will have opportunities to create new partnerships with private industry, educational institutions, and government agencies in both flight training and aerial data and information technology. Students with a strong background in commercial aviation, UAS operations, payloads, instrument calibration, data handling, and interpretation will be in high demand as the UAS industry continues its rapid expansion.

UH Hilo is firmly committed to establishing a program that both increases access for the youth of Hawai'i to pursue careers in aeronautics and creates a highly educated workforce for industry sectors that create jobs and benefit the state.

UH Hilo supports SB 909 SD1 provided that requested positions or funds do not displace any priorities in the University's Biennium Budget request. Mahalo for the opportunity to testify on behalf of SB 909 SD1.

**LATE**

February 19, 2019

Senator Donovan M Dela Cruz, Chair Ways and Means  
Senate District 22  
Hawaii State Capital, Room 208

Re: SB 909 Aeronautics

Dear Honorable Senator Dela Cruz,

The Japanese Chamber of Commerce & Industry of Hawaii would like to submit for your consideration its support for Senate Bill 909 Aeronautics.

Thank You,  
Donn Mende  
Government Affairs Committee Chair

**LATE**

**SB-909-SD-1**

Submitted on: 2/19/2019 1:20:27 PM

Testimony for WAM on 2/20/2019 10:05:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Ryan Kadota	Individual	Support	No

Comments:

**SB-909-SD-1**

Submitted on: 2/17/2019 11:54:34 AM

Testimony for WAM on 2/20/2019 10:05:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Michael Miyahira	Individual	Support	No

Comments:



**SB-909-SD-1**

Submitted on: 2/19/2019 5:54:07 PM  
Testimony for WAM on 2/20/2019 10:05:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
David S. De Luz, Jr.	Testifying for David S. De Luz, Sr. Enterprises, Inc.	Support	No

Comments:

**RE: SB 909 – University of Hawai‘i at Hilo, Aeronautical Sciences Program Appropriation**

Aloha!

**I STRONGLY SUPPORT SB 909 to:**

- Appropriate funding for an Aeronautical Sciences degree program at the University of Hawai‘i at Hilo. Request support for instructional positions and program equipment.
- Bachelor of Science in Aeronautical Sciences program will provide training for both commercial aviation pilots and for commercial pilots in the rapidly growing field of unmanned aviation technology. Both of these are projected high demand workforce areas.
- The program will create opportunities for UH Hilo to establish new partnerships with private industry, educational institutions, and government agencies in both flight training and aerial data and information technology.
- Students with a strong background in commercial aviation, UAS operations, payloads, instrument calibration, data handling, and interpretation will be in high demand as the UAS industry continues its rapid expansion.
- This program will increase access for Hawai‘i kids to pursue careers in aeronautics and will create a highly educated workforce for industry sectors that create jobs and benefit the state.

Thank you for the opportunity to offer my testimony.

Mahalo,

David S. De Luz, Jr.

808-895-4284

**LATE**

**SB-909-SD-1**

Submitted on: 2/19/2019 7:16:21 PM

Testimony for WAM on 2/20/2019 10:05:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Gordon Takaki	Individual	Support	No

Comments:

I support SB909 funding request for instructional positions and program equipment.

A Bachelor of Science Degree in Aeronautical Sciences program will provide training for both commercial aviation pilots and for commercial pilots in the rapidly growing field of unmanned aviation technology. Both of these are projected high demand workforce areas.

The program will create opportunities for UH Hilo to establish new partnerships with private industry, educational institutions and government agencies in both flight training and aerial data and information technology.

This program will increase access for Hawai`i youths to pursue careers in aeronautics and will create a highly educated workforce for industry sectors that create jobs and benefit the state.

Thank you for the opportunity to submit this testimony.

**LATE**

**SB-909-SD-1**

Submitted on: 2/19/2019 8:19:35 PM

Testimony for WAM on 2/20/2019 10:05:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Douglass Adams	Individual	Support	No

Comments:



**LATE**

**SB-909-SD-1**

Submitted on: 2/19/2019 8:48:42 PM

Testimony for WAM on 2/20/2019 10:05:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Jennifer Zelko	Individual	Support	No

**Comments:**

I am in strong support of SB 909 which appropriates funding for an Aeronautical Sciences degree program at the University of Hawai'i at Hilo. \

The Bachelor of Science in Aeronautical Sciences program will provide training for both commercial aviation pilots and for commercial pilots in the rapidly growing field of unmanned aviation technology. Both of these are projected high demand workforce areas.

The program will create opportunities for UH Hilo to establish new partnerships with private industry, educational institutions, and government agencies in both flight training and aerial data and information technology.

This program will increase access for Hawai'i kids to pursue careers in aeronautics and will create a highly educated workforce for industry sectors that create jobs and benefit the state.

Thank you for your support of our University and this program.

Jennifer Zelko-Schlueter