

## **A Message from the Chancellor**

I wanted to bring you up-to-date about the District's nascent partnership with the Tesla Foundation. In April, the Board approved an MOU (copy attached) with the Tesla Foundation to explore possible partnership opportunities related to drone technology development at the San Bernardino International Airport. There will be a major symposium on drones and robotics taking place in September, co-sponsored by SBCCD and The Economic Development and Corporate Training Foundation. (brochure attached). And, the article below was in the Inland Valley Daily Bulletin and The Sun on June 21st.

As we enter the fall semester, I look forward to collegial conversation about the possibilities that this partnership may offer to our District and to our community. With the focus on the strong workforce, this partnership can have significant impact on the economic strength of the Inland Empire and offer some exciting academic opportunities for our campuses.

### [San Bernardino Airport Could Become Ground Zero for Commercial Drone Research](#)

By Neil Nisperos, Inland Valley Daily Bulletin, Ontario, Calif.

TECHWIRE.NET and the San Bernardino Sun, June 21, 2016

San Bernardino International Airport (SBIA) could become ground zero for commercial drone research and technology.

The airport is partnering with Tesla Foundation Group, not connected to Elon Musk's Tesla Motors, but a leader in the field of drone use and technology.

"The [drone] industry is evolving and we are trying to evolve with it," said Mark Gibbs, director of aviation at SBIA.

Airport officials and the Tesla Foundation Group have been working to find other partners, resources and systems to support the National Commercial Drone Research Center, the "think tank and research and development center," Gibbs said, which could open next year.

"It's very positive for the airport, and very positive for the region," Gibbs said. "We do have state-of-the-art facilities here, and this is a very collaborative bunch that is very forward-thinking."

The airport is surrounded by warehouses as part of a master plan of a key goods movement hub in the region. Amazon, which has a fulfillment center nearby for shipping products to online customers, has plans to implement drone delivery.

The Tesla Foundation CEO Keith Kaplan said his organization recognizes the logistics opportunities of San Bernardino International Airport.

SBIA “is a perfect geographic location for the National Commercial Drone Research Center and for all logistics aircraft, both manned and unmanned. ... San Bernardino International Airport has in its DNA, the ability to lead in these areas,” Kaplan said.

The Tesla Foundation and the airport also plan to connect the research center with the San Bernardino Community College District, to prepare students for drone-related industries.

SBCCD Chancellor Bruce Baron said he hopes it will lead to job creation.

“We see this as a growing industry and there are a number of career opportunities,” Baron said. He sees the goals “to improve the economy of San Bernardino,” “create a real innovative project for the airport,” and to “create jobs and academic opportunities for students in this community.”

Drone use is becoming more commonplace.

From the delivery of packages, supplies and cargo, to law enforcement, agriculture and data management, all potential uses.

Drones are also being used to help deliver medical and food supplies to rural areas, collect data for use in asset management and providing law enforcement an eye on situations too dangerous for human personnel to enter, according to Charlene Ashton, associate director of program development for continuing education for the College of the Extended University at Cal Poly Pomona, which prepares adult students for careers in the drone industry.

“I think it’s a wonderful opportunity, especially with the need for economic development in that area.” Ashton said of the new drone research center. “It’s a win for everybody. We need to teach the next generation, and it’s just a wonderful opportunity for those kids to be on the forefront of something new.”

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The growth of Southern California's logistics employment is not a short term phenomenon. The shift of manufacturing to Asia has highlighted the area's competitiveness and led to 43% of U.S. imported containers entering through Los Angeles or Long Beach harbors.

The region's competitiveness includes:

- A West Coast location
- A huge internal market
- Deep water ports that can accommodate 8,200 TEU (20-foot equivalent) container ships drawing 51 feet
- The largest complex of ports, railroads, airports, highways and inter modal rail yards on the West Coast
- Retailers save 18-20% on inventory costs managing goods from Southern California versus Asia because goods can be delivered within days, not weeks.

\* Data provided by socallc.org Report



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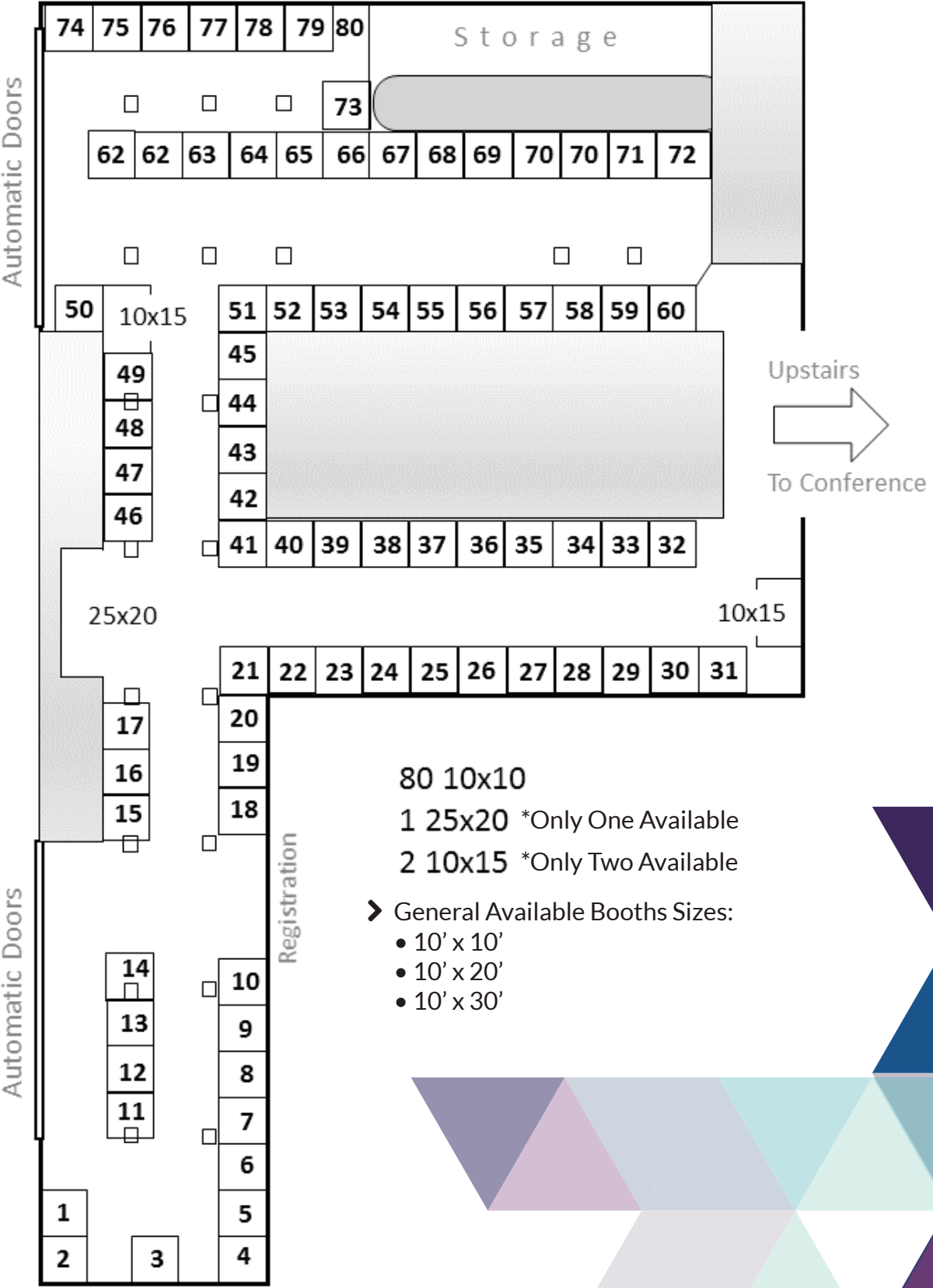
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# Exhibition Floor plan



- 80 10x10  
 1 25x20 \*Only One Available  
 2 10x15 \*Only Two Available
- General Available Booths Sizes:
- 10' x 10'
  - 10' x 20'
  - 10' x 30'

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## ABOUT US

We are a regional partnership advancing STEM Education, Robotics, and Logistics shared by the Tesla Foundation, San Bernardino Community College District, Los Angeles Community College District, and the San Bernardino International Airport. Southern California is the largest Port Related Multi-Modal Logistics Hub in the United States and is growing exponentially.

Over the last 5 years there has been an explosion in the use of robotics in logistics and manufacturing. The world has changed from the old days of machine assisted assembly lines and manufacturing processes as more automation has entered the workplace. Robotics is not just a way to help companies, but many manufacturers have recognized how robots can improve their supply chain processes, benefit the company, and drive their future success.

With major companies taking the initiative to develop and encourage the growth of robotics in logistics and manufacturing industries - the possibilities for the future are endless. STEM is driving the mass expansion of robotics, and the investment in our students is essential to create the future "Do-Force" that is shaping our world.

-  **Mission**  
To create economic growth for the region and educate the "Do-Force" of the future
-  **Vision**  
To bring together the major players in STEM Education, Robotics, and Logistics
-  **Philosophy**  
To empower our workers and employers to create a better way of life for all



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# NEXTREND



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1. SBCCD and Tesla will explore opportunities to leverage existing and/or new, credit and non-credit Career Technical Education (CTE), Science-Technology-Engineering-Arts-Math (STEAM), and custom workforce curriculum and subject-matter expertise housed in its UAS Training Center portfolio to provide leading training and education in UAS, and aerial robotics related fields.
2. SBCCD and Tesla will seek to identify topics for collaborative development of new training content related to UAS in areas beyond those already developed and offered by Tesla.
3. Tesla will share ownership of all collaboratively developed education and training materials or education systems. Highly specialized future materials or systems that may be leveraged in the partnership but not collaboratively funded or developed with Tesla will be owned by Tesla exclusively.
4. SBCCD and Tesla will partner to advance the development of the civil UAS industry and to provide world-class training and education opportunities in related topic areas.
5. Where appropriate, SBCCD and Tesla will seek to identify external or internal funding opportunities to support the development of complimentary capabilities and activities of both organizations.
6. Tesla will seek to identify educational and training centers (Centers) such as schools, colleges, universities, corporations, Unmanned Aerial Vehicle Systems Association (uavsa.org) chapters, and youth and adult learning institutions that would be consumers and users of such materials created by Tesla in locations outside the jurisdiction of the SBCCD's area of operations.
7. SBCCD and Tesla will seek to develop mutually beneficial business terms and pricing that will provide for Tesla's copy written UAS materials delivered through the internet or other digital and print methods. Such materials include educational curriculum, training materials, and course work for purposes of, but not limited to, Aerial Robotics and UAS Training and Certification Developed and maintained intellectual property.

Additional elements include:

8. Each Party is responsible for their own expenses tied to the MOU, unless otherwise approved in writing.
9. This MOU is governed by California law, and any civil action brought by either party relating to or arising from activities undertaken in connection with this MOU can only be brought in a court of competent jurisdiction located in San Bernardino County, California.

## **MEMORANDUM OF UNDERSTANDING**

This Memorandum of Understanding (“MOU”) is entered into, by and between the Tesla Foundation Group (“Tesla”), a non-for-profit science and technology foundation, whose principal place of business is 9601 Wilshire Blvd., Ste. 1174, Beverly Hills, CA, 90210, and San Bernardino Community College District (“SBCCD”), a community college district existing and operating under the laws of the State of California, whose principal place of business is 114 S. Del Rosa Drive, San Bernardino, California 92408.

**WHEREAS**, the economic impact of Unmanned Aerial Systems (UAS) is estimated to total more than \$82 billion in the United States alone during the first 10 years of commercial integration of operations in the National Airspace System; and

**WHEREAS**, by its nature, UAS and related industries leverage many key technologies including Sensors, Data Analytics, Aeronautics, Aviation, Advanced and Additive Manufacturing, Cyber-Physical and Autonomous Systems Security, Precision Agriculture, First Responders, Geospatial Information, and Simulation; and

**WHEREAS**, economic development, enhanced partnerships, and collaborations are vital for the development and economic growth of the nation; and

**WHEREAS**, the Tesla Foundation Group is a non-for-profit science and technology foundation committed through the power of research and education to create, promote, and protect American jobs and companies with innovation and the steps needed for commercialization; and

**WHEREAS**, SBCCD is recognized as a leading Community College District representing multiple colleges in the cities of San Bernardino, CA and Yucaipa, CA; and

**WHEREAS**, Tesla and SBCCD desire to collaborate to leverage this expertise to advance training and educational programs and explore research and development opportunities between both institutions; and

**NOW THEREFORE**, in consideration of the collaborative vision set forth herein, Tesla and SBCCD (individually, a “Party”; collectively the “Parties”) agree as follows:



10. SBCCD and Tesla will initially and from time to time create for release jointly agreed upon press releases and other digital or print information and promotional materials.
11. SBCCD will be granted by Tesla a full license for the right to incorporate into its current administrative, educational, and district-level foundation structure an official "Tesla School of Technology" department brand identification. Such structure will internally embody advanced STEAM related curriculum, courses, labs, drones, drone-related educational materials, and training environments, valued at an initial investment of US\$200,000. Additionally, this license is used externally to bring additional public awareness to SBCCD as a forward thinking and cutting-edge learning institution.
12. The term of this MOU shall encompass the period March 22, 2016 through March 21, 2017.
13. Notices provided by the Parties shall be made as follows:

To Tesla:

The Tesla Foundation Group  
9601 Wilshire Blvd. Ste. 1174  
Beverly Hills, CA 90210  
Attention: Keith Kaplan, CEO


To SBCCCD:


San Bernardino Community College District  
114 S. Del Rosa Drive  
San Bernardino, CA 92408  
Attention: Bruce Baron, Chancellor

TESLA FOUNDATION GROUP

Keith Kaplan

SAN BERNARDINO  
COMMUNITY COLLEGE DISTRICT  
Bruce Baron

  
\_\_\_\_\_  
Signature

  
\_\_\_\_\_  
Signature

**Chief Executive Officer**

Title

**Chancellor**

Date

*March 22nd, 2016*

Date

*4/8/16*

