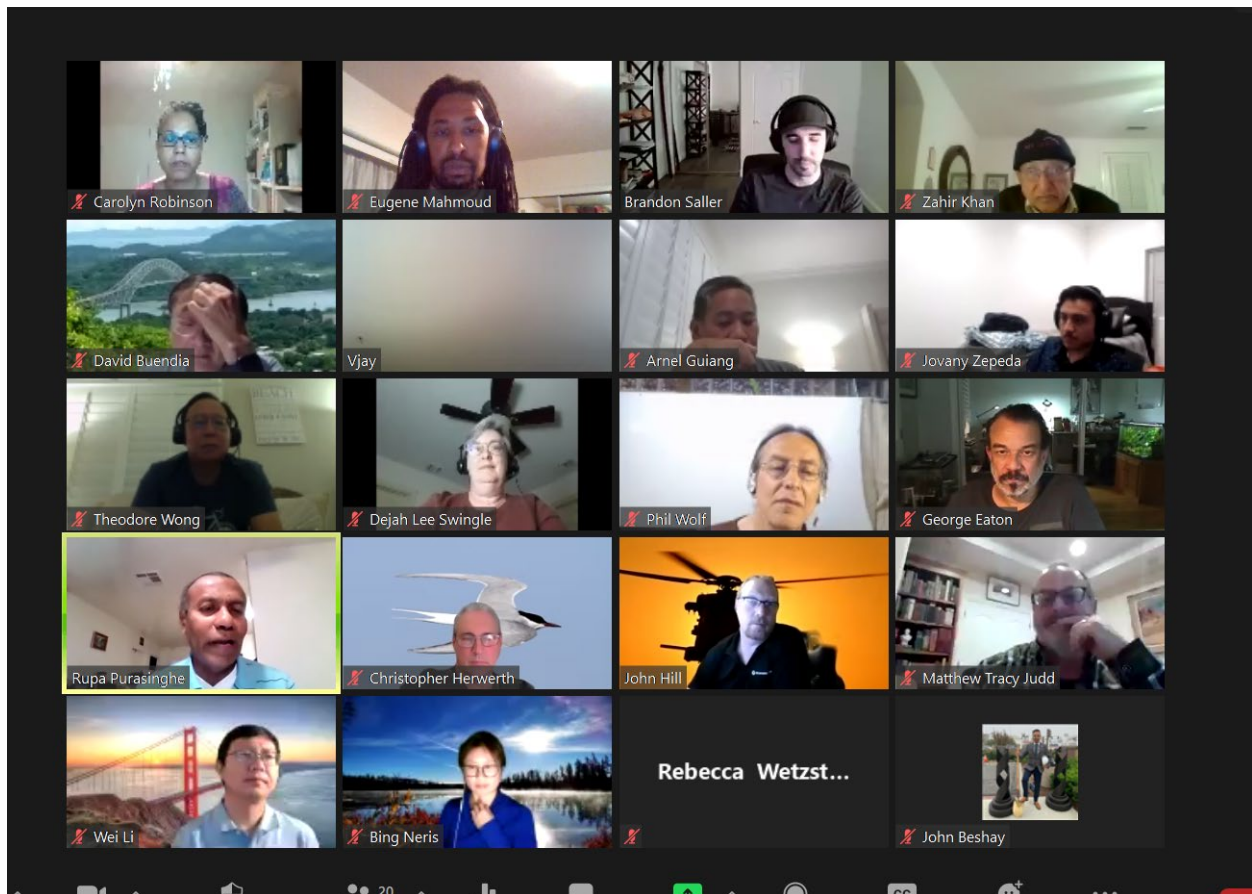


January 14th 2021, 6 PM, Virtual Conference

Mt. SAC Engineering Industry Advisory Board

- David Buendia – Avionics, Flight Controls @ Boeing, Retired
- Christopher Herwerth – Engineering Depart Chair @ GCC
- John Hill – ME Manager @ Collins Aerospace
- Tedd Wong – Materials / Structural Analysis @ Collins Aerospace
- Matt Judd – Natural Sciences Dean @ Mt. SAC
- Vjay Hayes – Director of Engineer @ El Dorado Nacional Bus Company
- Dejah Swingle – Director Strong Workforce Programs @ Mt. SAC
- Wei Li: SCAQMD, Chinese Institute of Engineers,
- Bing Neris: Civil Engineering, City of LA, Chinese Institute of Engineers
- Arnel Guiang: G Labs, FLOAT Shuttle, Rowan Alaska
- George Eaton - thingkus
- Rebecca Wetstein – Technical Sales
- John Beshay – City of Diamond Bar
- Mt. SAC Faculty: Wolf, Khan, Robinson, Khan, Mahmoud



Program Overview

- 15 courses, 3 disciplines, 400-500 students, 1 current certificate, 150+ transfers/year

Grant Funded Initiatives

- Student evaluations: indicate a need for additional career readiness support
- Summer Cohort program – a partnership with High School Outreach and Counseling
- 11 proposed CTE certificates, and 5 proposed degrees in Engineering Technology
- Additional proposed coursework, training opportunities

Discussion and Feedback

- Advisors spoke to a need for increased student involvement in the world
 - o Interactions should be focused in critical thinking
 - o Supports virtual tours, virtual talks, immersing students in real technical challenges
 - o Advisors are available to support independent research
 - o Project based learning / Service Learning
- Dejah can support internships
- Students should have a better understanding of real-life applications
 - o Need a perfectly acceptable answer as fast as possible
 - o Conceptual and applied
- Students should articulate what they don't know and that they will work to figure it out
- Employers are looking for candidates that can organize information so that others can take it over
 - o Project management, systems engineers, engineering technicians
- Students should attend professional events, organizations
- Hydraulics/Pneumatics Lab – Circuits Applications
- Record Remote/Virtual Tours
- Students need to access different disciplines
- **Board members requested Sales Engineering and Technical Sales programs and courses**
 - o Coursework that combines business and engineering into a course/experience
- Encourage students to pursue professional licensure for STTR SBIR fed research
- Clarify the educational route for Engineering Technology is different the Engineering
 - o Engineering Technology Programs at CPP, CSULB, and CSULA next year
- Connect with K-12 programs and 'Science Day' Volunteer activities
 - o Develop new articulation agreements and partnerships
- Focus on supporting female students