

## AIAA LA-LV Section Council Minutes 2022 November 8

### Call to order 6:05 pm by Ken Lui, the Section Chair

Present (In-Person): Ken Lui, Gary Moir

Present (Online/Dial-in): Sherry Stukes, Dean Davis, Daniel Robert Scalese, Luis Cuevas, Ian Clavio, Jacqueline Gonzalez Blanco (listen-in, UNLV Student Branch Chair)

Not Present: Lynn Jenson, Jennifer Fleming Perdigao, Roz Lowe, Arpie Ovsepyan, Courtney Best, Marty Waldman, Seth Potter

\*Today, November 8, is the day for Mid-Term Election.

### Secretary Report –Jennifer Fleming Perdigao (absent) - Ken Lui (on behalf of Jennifer)

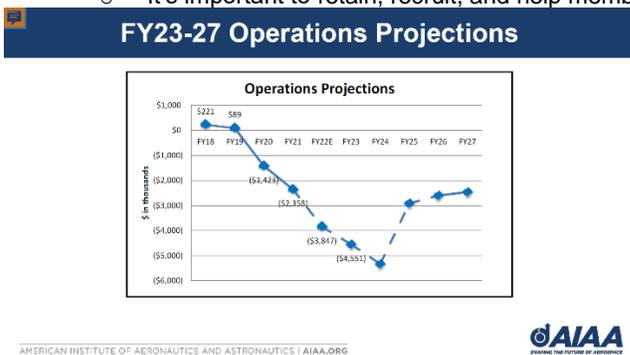
- Minutes Draft review/approval for September 13, October 11 Council Meetings
  - As Dean suggested during the October Council Meeting, Council Members should read the minutes draft and provide inputs/edits prior to this Council Meeting, and we would just spend 1 – 2 minutes to approve it/them. Since we don't have the quorum today, it's deferred to the next Council Meeting.

### Section Chair Report – Ken Lui

- Newsletters
  - October Newsletter was released today, November 8. (Cover Story: NASA DART Imagery Shows Changed Orbit of Target Asteroid on Oct. 11)
  - Section Newsletters are integrations, and a report to the communities/reports about our activities, as well as a good platform for sharing and networking. Section newsletter contributions from the council are encouraged/welcome. Thanks to the volunteers who helped for this.
  - With the flipbook version as well since 2020/2021 on <https://aiaa-lalv.org/download>.
- Upcoming events – adding values and encouraging participations
  - Nov. 12 – Special Lecture in Aeronautics: (1) Introduction to Sustainable Aviation, and (2) Design of Electrified Propulsion Aircraft, by Dr. Marty Bradley
  - Nov. 19 - Educators (K-12 STEAM) Meeting 11/19
  - Dec. 12 – NASA DC-X/XA: The Genesis of Fully Reusable Access to Space (Dan Dumbacher et al)
  - (Rescheduled) NASA's Digital Information Platform (DIP) to Accelerate NAS Transformation, by Dr. Swati Saxena
  - See more in the Events/Program Chair's report.
- Oct. 29 Section Awards/Appreciation Lunch
  - Attendees enjoyed the lunch and had fun. Please see Section Chair's Charts sent on Nov. 9 for selected photos. More selected photos are on <https://aiaa-lalv.org/blogs> and "Public Shared Files" on <https://engage.aiaa.org/losangeles-lasvegas>
  - The Section Chair will help for council members to enhance the chance for next year's HQ Section Awards.
  - The attendees really liked the gathering on Oct. 29 and highly recommended for doing more gathering / networking. They suggested a Holiday Gathering would be great. It's being arranged. Please see the next item.
- Possible Dec. 6 (Tue) or Dec. 8 (Thu) Section Holiday Dinner
  - Tentatively 8-10 current and the previous council members and their guests said they would like to join. Dr. Jeff Puschell will join as well.
  - Tentative location is Paul Martin's American Grills on Rosecrans in El Segundo, CA
  - Wish you could join and please let Ken know if you can make it or not, if you haven't done so. And please let Ken know if you have any preference for the date. Some could not make it on Dec. 5, Dec. 7, or Dec. 9. Therefore, Dec. 6 or Dec. 8 is the best possible date so far. It's holiday season so it might be better to do it earlier than later.
- AIAA HQ Finance deficit and 50% rebate reduction for local professional sections
  - HQ reports were reviewed. The PDF file of the HQ charts was shared on Nov. 9 in the email from Ken. It's for reference only. Please keep it within the Council and don't distribute or share it

externally. Those charts also showed the responses from HQ to improve the situations. Current deficit is around \$5.4M. HQ is trying all measures to get it at least back to a smaller deficit around \$2.5M by FY 27. Before Pandemic it was still positive, not deficit.

- HQ charts showed decreasing retiree members, but more mid-career, young professionals/early career professionals, and student members. It's good to pay attention to those, as they will continue to become experienced and retiree members later on.
- Please refer to the Section Chair's charts (shared also on November 9 in the email attachment) for the Section's responses.
- 50% reduction for the HQ rebates to sections starting this year for the next few years. The Section is expected to receive soon approx. \$3k-\$35 for FY22-23. And before this unexpected news, we have planned and spent approximately \$2.7k out of this amount, all necessary expenses. (Please see the Section Chair's charts sent on November 9.) So roughly \$300 - \$800+ remaining in this annual amount. We need to be very cautious, as we will need to cover the Annual Section Awards Dinner in May like awards, plaques, scholarships, some dinner (council members attended Council Meetings for at least 7 times in the year), and the other events like the University Student Branches mini-Conference on March 4, and others.
- HQ also plan to reduce some IOD TC activities, increase membership fees, increase conference registration fees, paper publication fees, and cancel travel supports, along with other measures.
- HQ Domain Strategies are also to consolidate and save.
- HQ mentioned proper management of the volunteers as resources (from IOD, TC, to local sections etc.). Precious and limited resources (time, efforts etc.) from volunteers are important and need to be properly managed / aligned.
- The Section has been in a save mode since last year.
- Section Storage is \$62.5 / month, from ~\$150 /mo in 2019, huge savings
- 9/20, 9/26. 9/28, 10/1, 10/6 events are balanced.
- Have been doing fund raising / sponsorship (Oct 6) / donations
- Combining events together in one venue, and inexpensive / economic places
- It's important to retain, recruit, and help members / membership.



- AIAA LA-LV Section website is moving to the free new Google Sites to save
  - Some examples of the test sites were shown.
  - For the webpage of the Council Members, please provide an updated photo if you would like to change. The Officer page on <https://engage.aiaa.org/losangeles-lasvegas> is maintained directly by HQ, and the profile/face photo there will need to be updated from your AIAA Engage Profile->Action. It was demonstrated in an email sent this week and shown in this Council Meeting. (See Section Chair's charts attached in the email from Ken on November 9.)
  - Website--> Google Sites with aiaa-lalv.org. A saving for \$800 approx. We will not pay when it expires at the end of November (for Las Vegas website it will renew in early December unless Marty also likes to save and move to the new free new Google Sites. The new Google test sites examples were shown to the council members during this meeting. We will move forward to this new free Google sites. The transition / migration will be more or less complete during the Thanksgiving week, and it will start to be shown as aiaa-lalv.org.
  - Have talked to Marty for aiaa-lasvegas.org migration. He said he would take a look. We will still pay the \$700 for 3 years if he really prefers to do so. Ken offered to maintain Marty's aiaa-lasvegas.org website if he is willing to also migrate to this new Google Sites.
  - Gary suggested adding pictures of aircraft and not just all space-related. Ken said yes more aircraft pictures will be added, and in fact, we have been having airports sites on our websites as well. And Daniel has been helping to get the licensed live camera views for those webpages.
- AIAA/LA-LV Values of Membership and Participation/Engagement

- It's posted on the test sites and shown to the Council Members via email and a little bit here in this Council Meeting.
- The contents were reviewed by Lynn, Dean, and Shery. This is to echo what Dean suggested about explaining and adding values to AIAA/LA-LV membership and participation / engagement, so people would join or renew their membership, volunteer, and participate.
- If any inputs, please let us know.
- **New Internship / Job Resources page**
  - Thanks to Lynn and Sherry for Northrop Grumman and JPL listings.
  - It will not just repeating the same bulk list on company websites that anyone could find easily.
  - We are not a job agent or a headhunter. We provide the platform for networking. It was previously more through personal interactions and connections in the AIAA / LA-LV occasions. It's up to the attendees / members to explore but they would need to network, as suggested in the AIAA HQ Membership video as well.
- **List of AIAA LA-LV Section Value and Resources**
  - A list of useful links to show the values of AIAA/LA-LV, including the ones for HQ Membership videos and the Section YouTube video channels are included in the Section Chair's charts.
- **Economic nice meeting rooms help saving**
  - We have been putting significant efforts and time to secure nice inexpensive meeting rooms. It's truly highly appreciated for the help we got.
  - We can do it in various locations in LA. and Long Beach is within our LA-LV Section responsible areas, with many aerospace companies and activities there.
  - Some places with low-cost foods could be helpful for regular meetings as well as awards dinner.
- **11/5 "AIAA LA-LV Saturday" demo – showing / adding values**
  - Flew a small indoor drone, with remote camera imaging / remote sensing, like flying from one continent to another. Joy of flying! Also AIAA brochures, Section paper gliders, etc. were shown.
  - AIAA HQ membership videos, with Dan Dumbacher and other members were reviewed.
  - VR (Virtual Reality) ISS demo
  - Other demo: Raspberry Pi, Arduino, Quantum Computer, Mars Driving Software etc.
  - Additional repertoire of possible demo: Outdoor drone, Robot/Rover, Quantum Computers, 3D printing etc.
  - The nice design for the Section plaques is also an asset / a value for encouraging, motivating, and inspiring, for non-profit purposes.
- **The Council / some council officers are here to help for logistics and our mission**
  - The archangel (and the staff) in Airwolf TV series, and Peter Graves (and the staff) in Mission Impossible TV series, were arranging the logistics and missions for the heroes / agents. We are also coordinating / consolidate the volunteers, volunteering efforts, resources, and logistics etc.
  - The roles / functions of the officers are shown in the by-laws/procedures. There were reasons for those defined functions. Events/Program Officer helps for events/logistics/venues, and for social meetings / events etc. The Public Policy Officer will be increasing the awareness of aerospace contributions etc. Just some examples for reasoning and references.
  - We have identified the experimental / voluntary use of the tools (aiaa-lalv.org email address, discussion groups, chat, classrooms etc.) for many beneficial approaches for helping the logistics, missions, and connections, networking, and communications etc.
- **Efforts in working with / helping several officers (See Section Chair's Charts emailed on November 9)**
  - K-12 STEAM Outreach
    - The K-12 STEAM Outreach Officer is for Liaison, Educators, dynamics, Science Fair / Judges, and is the representative of the Educators/Educator members in the LA-LV area.
    - Classrooms / Outreach / School Systems (bylaws/procedures)
    - We are not paid teachers in public or private K-12 schools in the function of AIAA/LA-LV K-12 STEAM Outreach. We need to be careful about money, endorsement, etc. Sometimes STEAM K-12 for some people could mean some businesses. We need to be careful about our non-profit status and the reputable AIAA brand.
    - November 19 --> Educators (K-12 STEAM) Meeting: To understand their needs and demands as groups. Potentially it could be monthly / bi-monthly etc. as it goes.
    - Get to the bottom of the issues and find out the needs. We have repertoires of volunteers and demonstrations (demo), but we need to find out the demands and needs.

- Free AIAA Educators and High School membership still need to be renewed. The drop of the Educator membership Sherry mentioned in the Section could be partly due to that factor.
  - It's important for what the Membership Chair shows for the membership development in the Section. There had been some confusion over the Section responsible areas and affiliations. We would be credited for those membership affiliated with the LA-LV Section, as the Membership Chair has been reporting. We welcome other members or non-members for participation and engagement. We helped HQ / other sections along the way at the same time we are developing the membership and programs/events in the defined LA-LV Section responsible area.
  - James Wertz Scholarship has been implemented each year. We would need to allocate the fund for it for 2023.
  - AIAA SSTC Middle School Essay Contest (7<sup>th</sup> and 8<sup>th</sup> graders) (National, with local entry)
  - Other possibilities? Such as Best K-12 STEAM Educator Award? Best K-12 High School, Middle School, Elementary Students/Teachers Awards (if funds could be identified.)
- Public Policy
  - AIAA CVD 2023
  - Jan/Feb: Manufacturing / Supply Chain: 4 - 5 panelists with Roz (in progress)
  - Manufacturing / Supply Chain as the main theme of FY22-23 Section Public Policy theme / focus.
  - Connection to local political leaders
  - Best Public Policy Leadership Award (funds?)
- Career and Workforce development
  - Aerospace Workforce Analysis / Statistics
  - Jan/Feb -> Labor Shortage / Security Clearance
  - Jan/Feb -> Starting a business / Investment
  - Manufacturing/Supply Chain and jobs
  - Artemis / Aviation Supplies / R&D and opportunities
  - Best Career/Workforce Development Award etc. (funds?)
- Young / Early Career Professionals
  - Liaison to YPs/ECPs, Understanding Needs from YPs/ECPs, help them to know AIAA better.
  - Best YP/ECP Award / YP/ECP Paper / Best Mentor / Mentee in YPs/ECPs? (funds? Review committee)
  - YP Membership discount reminder / encouragement
  - Jan/Feb -> Starting a business / Investment (Beginner level) / lunch or dinner networking
  - Jan/March -> Work environment mitigation, Satellite for beginners
  - Mentor Match-making (years ago)
  - YPs/ECPs are still professionals (under 35 years old, above college. Not students)
  - Winter cold be for outdoor drones. Spring could be a good time.
- Education / Collegiate
  - Liaison, Dynamics in Branches
  - Section-Branch Interaction
  - March 4: AIAA LA LV University Student Branches mini-Conference
  - (Student Branches have doing own resume workshop)
  - Late March AIAA Region VI Student Conference (with Jeff)
  - Best Student Project/Effort Award, Best Teaching Award, Best Mentor/Mentees for Students etc. (funds?)
- Technical
  - Monthly Technical Aero Alumni Meeting
  - Apollo 17 50<sup>th</sup> Anniversary Celebration in December
  - A possible RS-25 talk as a Technical Meeting
- Previous Discussions
  - Please refer to Part II in the later part of the Section Chair's charts emailed on Nov. 9
  - Those were discussed in previous council meetings and were not repeated in this meeting.

### Vice Chair Report – Dean

- Dean Prepared 37 pages of charts “Why Join AIAA?” Very insightful. Dean indicated it was the first version (V1) and it was just an outline (choosing

PowerPoint as a tool). It's not intended for a full or complete presentation. We would appreciate the council members could review and provide feedback. Together we can explain to others better the values & benefits and add values to AIAA / LA-LV Section. It will help retain and recruit membership. Please see the email attachment from Ken / Section Chair for this file on November 9 (a separate email from the Section Chair's and Education/Collegiate Chair's charts. Dean's charts (V1) include:

- Different Reasons for Different Groups
  - Aerospace Industry Professionals
  - College / Trade School Students
  - College / Trade School Teachers
  - High School Students
  - K-12 Teachers
  - Aerospace Enthusiasts
- Aerospace Industry Professionals
- Aerospace Industry Young Professionals (YPs) AIAA Membership Reasoning
- Aerospace Industry Mid-Career Professional AIAA Membership Reasoning
- Aerospace Industry Senior Career Professional AIAA Membership Reasoning
- Aerospace Industry Retired Professional AIAA Membership Reasoning
- College/Trade School Student Groups Interested in AIAA
- Aerospace/Astronautical/Aeronautical Engineering College Students AIAA Membership Reasoning
- Mechanical/Systems/Electrical/Software & Other Engineering College Students AIAA Membership Reasoning
- Applied Physics/Mathematics/Chemistry & Other Science College Students AIAA Membership Reasoning
- Aeronautics, Avionics, Information Technology Trade School/College Students AIAA Membership Reasoning
- Air Force & Space Force Reserve Officer Training Corps (ROTC) College Students AIAA Membership Reasoning
- Other Trade School/College Students AIAA Membership Reasoning
- College & Trade School Teacher & Professor Groups Interested in AIAA Membership
- Aerospace/Astronautical/Aeronautical Engineering College Professors AIAA Membership Reasoning
- Mechanical/Systems/Electrical/Software & Other Engineering College Professors AIAA Membership Reasoning
- Applied Physics/Mathematics/Chemistry & Other Science College Professors AIAA Membership Reasoning
- Aeronautics, Avionics, Information Technology Trade School/College Teachers & Professors AIAA Membership Reasoning
- Air Force & Space Force Reserve Officer Training Corps (ROTC) Teachers & Professors AIAA Membership Reasoning
- Other Trade School/College Teachers & Professors AIAA Membership Reasoning
- High School Student Groups Interested in AIAA Membership
- Aerospace Education High School Student AIAA Membership Reasoning
- Air Force & Space Force Reserve Officer Training Corps Junior (ROTC) High School Student AIAA Membership Reasoning
- Project Lead the Way (PLTW) Aerospace Engineering High School Students AIAA Membership Reasoning
- High School Students Interested in Aerospace Industry Careers AIAA Membership Reasoning
- High School Students Interested in Space Program, Rocketry, Astronomy, Aviation, Flying or Science AIAA Membership Reasoning
- K-12 Teachers Interested in AIAA Membership
- High School Aerospace Education Teachers AIAA Membership Reasoning
- High School Air Force & Space Force Junior Reserve Officer Training Corps (ROTC) Teachers AIAA Membership Reasoning
- Project Lead the Way (PLTW) Aerospace Engineering High School Teachers AIAA Membership Reasoning
- Kindergarten/Elementary/Middle/High School Science Teachers AIAA Membership Reasoning
- Middle/High School Vocational (Career) Education Teachers AIAA Membership Reasoning

- Computer Aided Design/Computer Aided Manufacturing (CAD/CAM), Software, Avionics, Aviation & Pilot Trade School Teachers AIAA Membership Reasoning
- Aerospace Enthusiast Teachers AIAA Membership Reasoning
- Aerospace Teacher Enthusiast Groups Interested in AIAA Membership
- Air/Space Technology, Space Program/Rocketry, Aeronautics/Flying, Aerospace History, Astronomy & Science/Engineering/Mathematics Enthusiast Teachers AIAA Membership Reasoning

### Treasurer's Report – Lynn (absent) - Ken Lui on behalf of Lynn

- Funding reserve is healthy.
- As mentioned in the Section Chair's report, we will only get 50% of the HQ rebate this year, and we have already spent roughly \$2,700-\$2,800 of it. Not much left from that amount to be received, as those were planned or used before the cut, based on 100% rebates. Have been doing the best to save, like free website, economic meeting rooms, economic storage space, explaining / adding values, keeping / recruiting more LA-LV Section-affiliated members, as those would be counted into our credits and rebates, and help HQ / other sections overall (quite some people work temporarily in the LA area (an international / national city / major aerospace hub), or just stopped by this area of vibrant aerospace activities.)
- We will continue to be cautious / careful about the financial issues and conserve.



#### UNION BANK ENDING BALANCE

#### Ending Bank Balance as of 11.3.22

- Cash box =\$ 150.00
- Checking = \$13,122.61
- Savings = \$ 5,005.05
- CD = \$68,350.84
- **TOTAL = \$86,628.50**

### Ambassador's Report –Seth (absent) - Ken Lui on behalf of Seth

- Seth said he had been busy at work. He said he would try to call in to just listen in. But eventually he didn't make it.

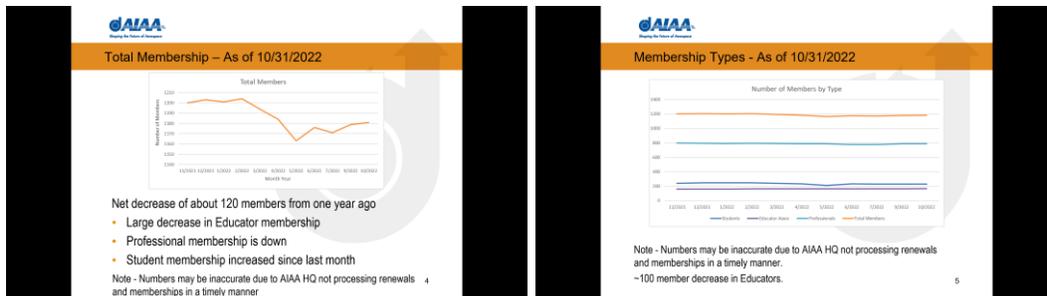
### Public Policy – Roz (absent) – Ken Lui on behalf of Roz

- Roz has been busy recently. She mentioned she would participate in the proposed Section Manufacturing / Supply Chain event. Ken mentioned a 5<sup>th</sup> panelist just confirmed for his participation in this meeting/event. We will have 4-5 panelists to start with.
- Last month Roz mentioned she would be working on AIAA CVD 2023 and reaching out to local political leaders.

- Dean asked Ken if he meant the CVD for manufacturing. Ken explained that it was a separate issue. Overall, there were 3 items mentioned by Ken for Roz' Public Policy function:
  - 1) AIAA CVD 2023,
  - 2) AIAA LA-LV Manufacturing – Supply Chain meeting / event, and
  - 3) Connecting to local political leaders.
- Ken suggested again avoiding money / endorsement / converting our members to others etc. issues.

### Membership - Sherry

- Large decrease in Educator membership since last year (approx. 100)
  - Professional membership is down
  - Student membership increased since last month
  - Student membership increased since last month
  - Note - Numbers may be inaccurate due to AIAA HQ not processing renewals and memberships in a timely manner.
  - ~100-member decrease in Educators.
- Professional membership decreasing in LA, increasing in LV
- Creating a list of dropped members to contact – Pending updated list from HQ
- Send out to the Council members to scan for people they know
- Contact dropped members
- Send information letter to contact lists collected at ASG and SEA conference
- (Ken's comment: many educator members might not know they need to renew the free Educator membership. Even the experienced Educator members got confused. Also, the November 19 Section Educators (K-12 STEAM) Meeting will address this drop of Educator members and remind them to renew, remind/add AIAA/LA-LV values, and understand better their needs / demands.)
- Dean and Sherry indicated it's important to pay attention to Mid-career professionals, YPs/ECPs, and Student members. There was a question from UNLV Student Branch Chair, Jaqueline, (and from Sherry as well), about how long a student member could join AIAA Professional membership and still enjoy the 50% YP discount, or it would be automatically roll-over. Ken said he learned from HQ a few years ago that it would be within a few months to a year after expiration of the student/membership, and no automatic roll-over to professional membership. One needs to enroll and join the professional membership after graduation. But special situations could be considered by HQ as Ken was told previously. It could vary case by case. It is better to contact the HQ Customer Service (<https://aiaa.org/contact>), with the HQ Membership Manager behind that hotline as they could help right away. Sherry indicated that we would need to get more details, as the Pandemic might have changed the situation. She pointed out AIAA might have some membership benefits hidden not really publicized online. Ken echoed that the retiree membership rate 50% off was not publicized openly, either, and HQ always wanted people to contact them for that directly case by case, as the situation / gap could be different from person to person, and they would consider those based on cases, not on a fixed rule.



## K-12 STEAM Outreach – Arpie (absent) – Ken Lui on behalf of Arpie

- Arpie needs to teach at the community college tonight.
- Arpie provided the content for the November 19 Section Educators (K-12 STEAM) Meeting email notice. And she has been trying to get more educators to attend / participate.
- Arpie has been posting AIAA K-12 STEAM Student Scholarship, Educators, Classroom Awards in the weekly event summary announcement and monthly newsletters.
- Arpie has been also trying to get some educators to participate and understand better their needs for teaching and training, as well as some high school students.
- Ken has been working on a demo with the Google and Teams Classroom to work with Arpie for a possible demo/practice online when needed. Ken also put together some possible demo examples and volunteers who would be helpful for the Section Classroom/School Systems outreach efforts. But we need to find out what the Educators really need and their schedules (also their K-12 students). We did some demo in the November 5 “AIAA LA-LV Saturday” Town Hall Meeting. Will keep developing and connecting. But we are not trying to absorb volunteers’ skills.
- Some areas we wanted to discuss with the attendees / educators on November 19 include, but are not limited to:
  - STEAM Lessons / Classrooms
  - Next Generation Science Standards
  - AIAA Engage
  - Discussion Groups
  - Drones
  - Raspberry Pi
  - Arduino
  - 3D Printing
  - Quantum Computers
  - Hackathon
  - Virtual Reality
  - Mechanical Engineering....and much, much more!
- Ken suggested again avoiding money/endorsement issues. There are quite some private for-profit K-12 STEAM schools or businesses. It’s good to network and connect, but we need to be cautious about the kind of activities we get involved, as we are non-profit. We are not schoolteachers (public or private), either.

## Education / Collegiate – Luis

- Luis talked about the Section's University Student Branches mini-conference in March '23.
  - All 4 branches, USC, UCLA, CSULB, and UNLV have converged on Saturday, March 4, 2023, for this event/meeting. USC just confirmed a few days ago, after 1.5 months of silence.
  - Luis will see if Caltech would like to present in this one. They did wonderfully last year in this event led / moderated by Luis. Ken indicated it's fine to have them as guest presentation / participation. We just need to be aware and cautious that our Section has only those 4 branches at this moment, while trying to develop more like LMU and CSUDH within our region. But it's welcome if other branches voluntarily would like to participate / present. We even had UCSD branch participation in the past, but that was from their request. We didn't try to grab them, and they are still not within the LA-LV Section. It's delicate. We are not trying to intrude or interfere other sections in their defined AIAA areas of responsibilities.
  - Dr. Paul Bevilaqua will speak as the Keynote Speaker (1<sup>st</sup>) in this event. He is a Distinguished Speaker of AIAA and with Lockheed Martin.
  - Ken and Lynn have been helping to get industry participations. Prof. Paul Ronney might participate but it will depend on his schedule. Our May 14 speaker, Mr. Dennis Leung, also expressed interests.
  - Luis will also lead/moderate this year's AIAA LA-LV University Student Branches mini-Conference on March 4.
- Luis is also helping Jeff for the Region VI Student Conference in later March '23.
  - Please see the attachment in the email from Ken on November 9 for more details.
  - Jeff has been the Region VI Director on Education since June this year.
  - Region VI Student Conference is scheduled for 2023 March 25-26 at UC Davis, which is in the AIAA Sacramento Section, a smaller section.
  - Student paper competition rules attached to Luis'/Jeff's presentation – also available at website.
  - Prizes: Undergraduate, Master's, and Team Categories have three prizes each: First: \$500; Second: \$300; Third: \$250 with winning First place papers invited to compete at 2024 SciTech International Paper Competition in Orlando – one author's expenses paid
  - Abstracts due on 2023 February 5 with full manuscripts due on March 5
  - Head Judge has been identified by Sacramento Section – will need more judges – hopefully LA-LV can help provide judges
  - Santa Clara Student Branch has indicated interest in hosting 2024 Student Conference
  - Region VI plans to move forward with a high school paper competition in 2023
    - Rules will be similar to undergraduate and graduate competitions – prizes TBD by Region VI

- Region VI welcome suggestions on how to make this competition more successful

#### Young Professionals (YP) / Early Career Professionals (ECP) – Courtney (absent) – Ken Lui on behalf of Courtney

- Courtney could not attend the meeting tonight as she had been assigned to the 2nd shift at work.
- Courtney participated in the “AIAA LA-LV Saturday” Meeting on October 15. She mentioned she was working on a possible AIAA LA-LV drone or model rocket activity for YP.
- Courtney and Ken will continue to discuss those and other possibilities.
- Ken indicated it could be cold during winter for an outdoor drone event in the winter. We can focus more on the indoor drone demo, model rocket, or other possibilities, and do the outdoor drone demo in Spring.
- Possible upcoming activities:
  - Jan-March-> possible “Satellite 101 for beginners”
  - Jan-March-> possible “How to start own business”, could be combined as Part I with Career and Workforce Development with advanced level for Part II, or a standalone YP/ECP meeting with other topics/themes
  - Jan-March-> possible “How to mitigate work environment/relations”
  - Possible mentorship match-making as done a few times several years ago. Just a possibility.

#### Las Vegas Chapter – Marty (absent) – Ken Lui on behalf of Marty

- Marty has been busy dealing with the local political issues in Las Vegas for the AIAA operations there.
- Marty and Ken discussed the possible migration for the Las Vegas Chapter website (aiaa-lasvegas.org) to the free new Google sites. Ken showed the test sites for the LA-LV website (aiaa-lalv.org), explained to Marty, and offered to help for the migration and maintenance afterwards. Marty said he would look into it and see if he would like to also migrate and save around \$700. The saved amount could be used for other AIAA Las Vegas needs.

#### Career and Workforce Development – Daniel

- Daniel has been trying to reach someone in Relativity Space for the launch safety issues. He hasn’t heard back from Roz for the contact she mentioned there. Ken indicated the former council Khushbu has been with Relativity Space, and it would be a good connection. She might show up in a December event.
- Daniel has been also trying to get the permission or license for the live airport monitoring camera website to be linked to our webpage on Airports and Spaceports. Previously he also suggested some possible sources of finding used flight simulators for adding values to the Section. Ken has been trying to find possible real estates for possibly accommodating them if it works out.
- Possible activities (Ken will assist.)
  - Aerospace Workforce Analysis / Statistics
  - Jan/Feb -> Labor Shortage / Security Clearance

- Jan/Feb -> Starting a business / Investment
- Manufacturing/Supply Chain jobs
- Artemis / Aviation Supplies / R&D jobs
- (Student Branches have doing resume workshop)
- (Avoid money/endorsement/converting our members to others etc. issues)

### Technical – Gary

- The October Aero Alumni meeting with the 1910 LA Air Meet presentation by Mr. Ken Pauley on Wednesday, October 12, went very well. And we will keep discussing it tomorrow in the November Aero Alumni Meeting on November 9, along with other interesting subjects from the DART Mission, James Webb Space Telescope, to Ukraine-Russia War.
- Gary has been working on 2-3 meetings on the Apollo 17 50<sup>th</sup> Anniversary and Artemis events in December (December 7, 14). One of the possible Apollo 17 dates (Dec. 17) will be too close to Christmas and maybe just do the earlier ones.
- Gary and some others such as Mr. John Stammreich will present on Dec. 7 in the Palos Verdes Peninsula Center Library for Apollo 17 for a Section Technical Meeting on this topic. Gary was involved in the Apollo Command Module.
- Gary mentioned several meetings with CSC for a possible event there with astronauts Vance Brand and Harrison Schmitt. He indicated CSC and other organizations are also having financial limitations right now. They will have a meeting with Aerojet-Rocket this week and see if they could sponsor.
  - (An updated note from Gary: Vance Brand cancelled his participation in this CSC event and Harrison Schmitt could not make it. Therefore, Gary will focus on a possible lunch-and-learn meeting with the Section with averagely \$20 per attendee. (The CSC evening event will be \$80 per attendee just for the cost.)
- Ken indicated that he had been also trying to help:
  - An artist with a painting on Apollo 17. But this artist might not be able to make it during weekdays.
  - A possible RS-25 engineer for Artemis: but the person trying to help indicated Aerojet-Rocket would be very busy in December and it would not be a good time. We could not hear back from that end recently. And around the launch time, people involved would be too busy, as seen in the Mars Landing or Launches etc. We will keep trying and ask around.

### Ken – Events/Program (Acting)

- The public Section meetings/events we have been doing have networking / social, and recruitment / membership / values introductions built in / designed.
- Events/Program Officer also for venues/logistics/social meetings/field trips etc., while coordinate the activities / events / programs. If not, it would be coordinated by the Section Chair. This was what mentioned by Jeff previously.
- Report on 10/12 Section Meeting/event: Making Calculus: Build models to learn, visualize, and explore, by Joan Horvath and Rich Cameron

- o Wonderful venue/meeting room, inspiring speakers/demo. The attendees were very surprised and pleased by the excellent settings of this meeting room and location. The speakers also volunteer to help our school outreach.
- o It has been a pattern since we started to do hybrid meetings earlier this year: most of the attendees still stayed online. Around or less than 10% in-person attendance. 50% of the people saying they would attend in person ended just joined online. We will try to get more people to attend in person, but respect their concerns for Pandemic etc. People might still have concerns over Pandemic, and/or the behaviors could have been changed due to the long Pandemic. At the same time, before Pandemic, the online option was not available. We might need to limit to only in-person attendance if we really want people to show up in person for certain specific events/meetings. People will tend to stay home attending online if the online option is offered.



- Report on 10/15 “AIAA LA-LV Saturday” Town Hall Meeting / event
  - o First-Ever. Good for testing.
  - o Got potential members with sincere quality time and discussions for their needs and for detailed membership / values introductions.
  - o Courtney participated in person. Sherry joined online and explained the membership benefits and made suggestions for attendees’ needs.
  - o Follow up with the attendees and Sherry.

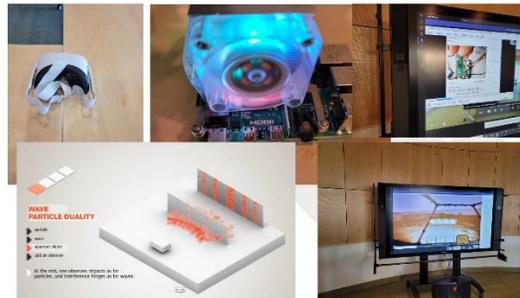


- Report on 10/29 AIAA LA-LV HQ Section Awards Lunch
  - o 13 attended (11 in-person, 2 online (Lynn and Gary))
  - o Attendees from both 2021-2022 and 2022-2023 were very happy, and suggested to keep doing this type of friendly and warm networking activities, especially a Holiday Lunch or Dinner. (working on the Dec. 6 or Dec. 8 Dinner as mentioned above in the Section Chair’s report.)



- Report on 11/5 “AIAA LA-LV Saturday” Town Hall Meeting
  - o A few demonstrations (demo) were made
    - Drone with an on-board camera, like remote sensing (<https://www.youtube.com/watch?v=HKG29fuXOgQ>)

- AIAA membership video online made by HQ (<https://www.youtube.com/watch?v=FaitcKXBt-M>)
- VR (Virtual Reality) ISS demo ([https://www.youtube.com/watch?v=B\\_J3ID12lc8](https://www.youtube.com/watch?v=B_J3ID12lc8))
- Raspberry-Pi and Arduino
- Mars Driving Software
- Quality discussion with some attendees, some shared their interests. Some attended several of our Section meetings / events and liked to be connected to us.
- Met a student from El Camino College, who was interested in transferring to another university like USC, UCLA, or CSULB, and also interested in aerospace. Spent some time chatting with him and exchange information. Also forwarded the information to Sherry and Luis to follow up if suitable. Ken has visited El Camino College a few times trying to find inexpensive venues and possibly help for membership and possibly a new Student Branch. (Note: Students in other colleges are welcome to participate and join the existing AIAA Student Branches in CSULB, USC, UNLV, or USC)



- **Upcoming Section meetings/events in November-December.**

- November 19: AIAA LA-LV Section Educators (K-12 STEAM) Meeting (Announced)
- December 3 (or 10<sup>th</sup>): (reschedule) NASA's Digital Information Platform (DIP) to Accelerate NAS Transformation, by Dr. Swati Saxena (TBA)
- December 6 or 8: AIAA LA-LV Section Holiday Dinner (TBA)
- December 7: AIAA LA-LV Apollo 17 50<sup>th</sup> Anniversary with Gary (TBA)
- December 10 (or 3<sup>rd</sup>): (reschedule) NASA's Digital Information Platform (DIP) to Accelerate NAS Transformation, by Dr. Swati Saxena (TBA)
- December 12: Dan Dumbacher (AIAA Executive Director) will be a speaker/panelist in this NASA DC-X/XA event. Please try to attend if you could. He will present online (initially he tried to join in person.) Other speakers/panelists will join in person or online. The NASA team he led pioneered the reusable rockets 20+ years ahead of SpaceX and Blue Origin. Very exciting and inspiring. (Announced)
- December 13: December Council Meeting (TBA)
- December 14: AIAA LA-LV December Aero Alumni Meeting
- December 14: AIAA LA-LV Apollo 17 50<sup>th</sup> Anniversary Lunch and Learn with Gary (TBA)
- December 15: (Possible an online presentation / demo. TBA)

