Computer Studies Advisory Board Meeting Minutes

March 22, 2021| 4:00 | Zoom

1. **Call to Order – Welcome and Introductions 4:02 by Bill**

2. **Review and Approval of Agenda**
   - **Moved by Vicky Austin**
   - **2nd by Gagan Gill**
   - **Motion carries**

3. **Review and Approval of Minutes – September 22, 2020**
   - **Moved by Moh Daoud**
   - **2nd by Tom Curl**
   - **Motion carries**

4. **Industry Updates**
   - **Training and Hiring Needs**
     ➢ Hiring spotty at this time, Workday moving back to office, some employees moving to where they can telecommute, housing market reflecting mobility of employees, telecommuting is great for small % of employees, telecommuting destroys culture
     ➢ Some will be able to take advantage of telecommuting, but some won't. As more people get vaccinated more will return to workplace, non-critical employees not allowed onsite at Thermo-Fisher, in normal times only select few get to work remotely. Sandia is going to struggle with getting students back on site, Workday not going back until August 2 with 6-month leeway, Charles COVID has been a boon for Thermo-Fisher, positions opened for experienced candidate, Sandia new leadership, but hiring robust**.**

   - **Emerging Trends**
     ➢ Mark T, Esports, Wearable tech, block chain/crypto currency, AI for creativity, digital health (apps); Cybersecurity Compliance Management; affects smaller companies that work with DOD, could be a supplement to some LPC courses, Cybersecurity Maturity Model Certification (CMMC), senior level type of initiative, Moh and Jeff get seasoned professional and younger students, Moh – at LPC Python Series, Jeff – gov't wants to make sure that there is cybersecurity from top to bottom, LPC should revisit cyber program to make sure they are covering these topics,

- ➢ Can Jeff get copy of Mark's slides. Tim B – in the industry in order to go public companies must do due diligence. Need to show how to prove expertise in many areas. Need people who understand security in video conferencing. Automation in manufacturing, autonomy (transportation), renewable energy will see growth (vehicle technology)
- ➢ How can LPC design something that is understood by somebody in industry; there are not good standards; drones are rolling sensor platforms, it's mapping where all the networks are – people are becoming increasingly concerned with what is happening with that info.
- ➢ Actual industry has their own standards. Officials will say use MIST, but they do not tell how to do that.
- ➢ What would you look for as employers? – Documentation for customer (gov't), asset management and documentation are important.
- ➢ AWS certification – Autonomous vehicle, there is where to introduce students to tech.
- ➢ Largest autonomous vehicle testing facility in Concord, CA
- ➢ Charles, Dev Ops at Thermo-Fisher can be done at CC

- **Internship Opportunities**
  - ➢ Tim, Sandia last year there were no interns, this year there are some, next year interns should be back. Tim pulled back on additional interns, not in IT areas
  - ➢ Right now 4 student positions on site (Sandia), Mark T. posted position on Handshake, Kaiser has no internships posted this summer, no one is in the office
  - ➢ Projects to incorporate into AI program and cyber (having people become familiar with process)
  - ➢ CS certificate in drone technology, might want to have dialogue with Merced City college
  - ➢ Drone – precision agriculture

5. **Faculty Report**
   - **Enrollments**
     - ➢ Enrollments – cross listed courses enrollment strong especially given overall reduced college enrollment

   - **Computer Studies Symposium**
     - ➢ targeting high school students, women and underrepresented pops, hard to find panelists of color, great industry connections helped to find panelists, HS students end every day at 12:38, on Wednesday at 12:10. Some athletic programs have re-engaged. Some students working now. In Livermore students come to school 2 days a week, Wed. is completely remote. Up to families if students go back to school.

   - **Code Jam – Suggestions from Industry**
     - ➢ Suggestions from Industry – online, week before classes start in August, becoming successful, challenging in online environment
   - **Update on Google IT Support Professional program**

   - **Building 2100 Plans for Computer Studies (CS)**
     - ➢ CS has a large proportion of building
   - **Plans for Fall**
     - ➢ uncoupled Summer and Fall registration to allow more flexibility

6. **Recommendations from the Advisory Board**
   - ➢ none, congrats on new offices

7. **Good of the Order**
   - ➢ LLNL trying to create relationship with LPC CS for LLNL internship, students learning IOS, students work remotely, paid, decision April 10

8. **Next Regular Meeting:** Tuesday, September 21, 2021 at 4:00

9. **Adjournment at 5:32**