The primary reason I aspire to serve as an UESI Governor is the need for enhanced representation of surveying and geomatics within the Board of Governors (BOG) and our respective professions. My close collaboration with the Surveying and Geomatics Division has heightened the underrepresentation of surveying professionals in the Architectural-Engineering-Construction (AEC) industries, a disparity that is evident in university systems across the United States.

Since 2018, I have actively participated in the ASCE UESI Surveying and Geomatics Division (SGD), initially serving as co-chair for the inaugural Surveying and Geomatics Conference held at Cal Poly Pomona. SGD has provided me with numerous opportunities to collectively promote land surveying, including my involvement in the MOP 152 project with Dan Gillins and Michael Dennis, and my co-chairmanship of the Surveying Competition committee with Carol Morman. These experiences underscore the vision and resources of SGD in fostering value for the professions. However, given the aging nature of land surveying and related fields, we recognize the need for a broader platform to emphasize the significance and benefits of land surveying and geomatics.

If elected, one of my primary objectives will be to advocate for land surveying classes in the civil engineering curriculum of the United States. It is imperative for students to acquire fundamental knowledge of control networks and land surveying techniques. At a minimum, engineers should possess a professional understanding of surveying procedures and be able to communicate effectively when ordering surveys. UESI has strong institutional presence and recognizes the value of surveying and geomatics. It has been a steadfast supporter of numerous SGD initiatives.

Also I aim to foster collaboration between different UESI Divisions and ASCE Institutes. Surveying and geomatics are integral components of any project, and advocating for foundational knowledge and technology will enhance efficiency and productivity. With the UESI BOG's platform, inter-division and institute collaboration represents the optimal path for the future, and I am eager to contribute to its continued success.



College of Engineering CIVIL ENGINEERING

1. Name

• Allan Y. L. Ng, P.L.S.

2. Education

- MSCE, Geomatics, Purdue University, 2004
- BSCE, Surveying Engineering, Cal Poly Pomona, 2003

3. Academic experience

- Cal Poly Pomona, Lecturer, 2009-Present, full time
- Cal Poly Pomona, Lecturer, 2005-2009, part time

4. Non-academic experience

- Independent consultant for Civil Engineering and Land Surveying firms, 2009-Present.
- Land Design Consultants Inc., Senior Survey Technician, Responsible for survey budget estimations, research for boundary and location surveys, right-of-way maps, legal descriptions and monumentation analysis and determination, stake out calculation utilizing AutoCAD and LDD, survey calculations and field crew support, monitor and manage electronic data, quantity takeoffs, field data processing and plan review, 2004-2008
- United States Army Reserve, Sergeant, 1998 2006

5. Certifications or professional registrations

• PLS 8405 CA

6. Current membership in professional organizations

- American Society of Civil Engineers (ASCE), Utility Engineering and Surveying Institute (UESI), Surveying and Geomatics Division
- California Land Surveyor Association
- International Federation of Surveyors, Working Group 6.3

7. Honors and awards

- Recipient of 2023 CPP Center for the Advancement of Faculty Excellence (CAFE) Wall of COOL (Celebrating Outstanding Opportunities for Learning)
- Recipient of the 2022 Club Advisor of the Year ASCE Student Chapter Award

8. Service activities

- Geomatics Engineering Laboratory Coordinator, 2010-Present
- Assessment Committee, member, 2009-2021
- California Land Surveyor Association, student chapter advisor, 2009-Present
- American Society of Civil Engineers, student chapter co-advisor, 2016-2024



College of Engineering CIVIL ENGINEERING

9. Publications

- Daniel Gillins, Michael Dennis, **Allan Ng** (2022). ASCE Manual of Practice 152: Surveying and Geomatics Engineering: Principles, Technologies, and Applications
- Peter Boniface, Allan Ng (2018). California Civil Surveying Practice Exams, Fourth Edition
- Peter Boniface, Allan Ng (2018). California Civil Surveying Solved Problems, 3rd Edition
- Allan Ng (2016). Book review: GPS for Land Surveyors, 4th Edition. American Society of Photogrammetry and Remote Sensing. PE&RS, p. 181-182
- Robert Kayen, Brad D. Carkin, Skye Corbet, Camilo Pinilla, Allan Ng, Edward Gorbis, Christine Truong (2014). Seismic Velocity Site Characterization of Thirty-One Chilean Seismometer Stations by Spectral Analysis of Surface Wave Dispersion. Pacific Earthquake Engineering Research Center, PEER 2014/05
- Allan Ng (2011), Enhancing the Quality of Our Profession Through Education. California Surveyors, Issue #166, p. 28

10. Professional Development

- Guest Editor, ASCE Journal of Surveying Engineering, Special Collection on Surveying & Geomatics Conference 2024
- ABET Program Evaluator, Surveying and Geomatics programs, Engineering Accreditation Committee (2024-Present)
- ASCE UESI Surveying and Geomatics Division Executive Committee. Chair (2023-2024), Vice Chair (2020-2023), Secretary (2018-2020)
- ASCE UESI Surveying Competition Rules Committee. Co-chair, (2019-current)
- International Federation of Surveyors, Working Group 6.3: Applications of immersive technologies in Engineering Geodesy, Member (2023-current)
- UESI Surveying and Geomatics Conference Planning Committee. Co-chair, Cal Poly Pomona, Pomona, CA, April 22-24, 2018

Volunteering Activities:

1. UESI Surveying and Geomatics Division (SGD)

- a. Executive Committee (2018-2024, secretary, vice-chair and chair). Working with UESI Director and Senior Manager to run SGD business, including monthly meeting, assist sub-committees to promote surveying engineering and geomatics.
- b. Co-Editor (2022) ASCE Manual of Practice 152: Surveying and Geomatics Engineering: Principles, Technologies, and Applications.
- c. UESI Surveying and Geomatics Conference (2018, 2022 and 2024) planning committee. 2018 inaugural conference co-chair and hosting university in Cal Poly Pomona. Active committee member for 2022 and 2024 conferences.
- d. Guest Editor. ASCE Journal of Surveying Engineering, Special Collection on Surveying & Geomatics Conference 2024.
- e. Member. UESI Surveying Engineering Certification committee. Started the process of developing Body of Knowledge and continue to work with SGD Education Committee for application and question pool.
- f. Jury (2023). UESI Project of the Year
- g. Jury (2024-2025). ASCE Younger Member of the Year Award
- h. Jury (2022). NCEES Surveying Education Award
- i. Presenter at multiple ASCE conferences including Surveying and Geomatics and Pipelines conferences, Construction Institute Summit.

2. ASCE UESI Surveying Competition Rules Committee

a. Co-Chair (2018-current). Develop and promote land surveying to Civil Engineering programs. Partners with ASCE CSCC to create rules and guidelines for regional and national surveying competition.

3. International Federation of Surveyors, Working Group 6.3

a. Committee member (2023-current). Develop guidelines, templates and samples for immersive technology, specifically virtual reality in Geomatics and Engineering Geodesy applications.

4. Surveying and Land Information Science (SaLIS)

a. Guest reviewer (2020-present)

5. Cal Poly Pomona Student Chapter Advisors

- a. ASCE (2017-2024)
- b. California Land Surveyors Association (2003-present)

6. ABET

a. Program Evaluator. Surveying and Geomatics programs, Engineering Accreditation Committee (2024-Present)