

Philip Lee Barlow, Ph.D.

Curriculum Vitae

BACKGROUND

Address

Home: 816 Los Ciervos
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California Polytechnic State University
San Luis Obispo, CA 93407-0284
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Education

University of Florida – Gainesville, Florida
Ph.D. in Construction Management
College of Design, Construction and Planning
May 2015

Golden Gate University - San Francisco, California
Masters in Business Administration in Finance
Concentration in Real Estate
December 1993

California Polytechnic State University - San Luis Obispo, California
Bachelor of Science in Construction Management
December 1987

Professional Licensure & Certifications

Design Build Institute of America Professional (DBIA)
Design Build Institute of America (DBIA) – Attained 2010

Certified Cost Consultant (CCC) - # 15686
Association for the Advancement of Cost Engineering (AACE) – Attained 2010

Certified Professional Constructor (CPC) - # 8487
American Institute of Constructors (AIC) – Attained 2010

LEED Accredited Professional (LEED AP)
United States Green Building Council (USGBC) – Attained 2009

California Real Estate Brokers License – # 01115452
California Associate of Mortgage Brokers (CAMB) – Attained 1994

California General Contractors License (B) – # 577461
California State License Board (CSLB) – Attained 1989

Academic Experience

- 6/16 – Present **Full Professor**
California Polytechnic State University, San Luis Obispo
College of Architecture and Environmental Design
Department of Construction Management
- 9/19 – 9/21 **Co-Program Director – Granite Heavy Civil Minor**
California Polytechnic State University, San Luis Obispo
College of Architecture and Environmental Design and
College of Civil Engineering
- 9/11 – 6/16 **Associate Professor**
California Polytechnic State University, San Luis Obispo
College of Architecture and Environmental Design
Department of Construction Management
- 9/15 – 12/15 **Interim Department Head – CM Department**
California Polytechnic State University, San Luis Obispo
Assumed all responsibilities of Department Head including faculty meetings,
tenure track search, grant applications, and proposal for new degree program.
- 9/11 – 6/12 **Interim Assistant Department Head – CM Department**
California Polytechnic State University, San Luis Obispo
Student and curriculum oriented functions during Department Head sabbatical
including curriculum efficiencies, staff interactions, and student success.
- 9/06 – 9/10 **Assistant Professor**
California Polytechnic State University, San Luis Obispo
College of Architecture and Environmental Design
Department of Construction Management
- 9/05 – 9/06 **Full-Time Lecturer**
California State University Fresno
College of Engineering
Construction Management Program
- 9/02 – 9/05 **Part-Time Lecturer**
California State University Sacramento
College of Engineering
Construction Management Program

Professional Experience

- 2004 – 2005 **Construction Project Manager, PCM3 Inc.** Construction, Sacramento, CA
PCM3 is a professional construction management company specializing in
kindergarten through 12th grade educational facilities. The company has many
school district clients throughout the Northern and Southern California areas.
Responsibilities included pre-construction and construction project

management services for several summer modernization projects as well as a new \$16M Arthur A. Benjamin Health Professions High School which included five buildings and accommodated 500 students.

- 2002 – 2004 **Construction Project Manager**, 3D/International, Sacramento, CA
3D/I is one of the largest construction management companies in the United States and performs services from traditional construction management to at-risk construction work. 3D/I also assists with all phases of a construction project from program management to project completion including facility assessment. I was assigned as a construction manager on the East End project which is the State of California's first design-build bridging agreement with a value of over \$392M. The complex included 1.4M square feet of office space and over 740,000 square feet of parking structure. One building received a LEED Gold level certification in January 2003. I was also involved with a number of K-12 school and community college projects.
- 2000 – 2002 **Project Construction Manager**, Kaiser Construction Service, Sacramento, CA
Kaiser carried an in-house construction services division which worked solely on the construction of Kaiser buildings and facilities. The service area I was responsible for included four hospitals and many outlining MOB (Medical Office Building) facilities. My staff included 5 superintendents, two project engineers, an estimator, a project administrator, and a large staff of laborers and carpenters. Projects ranged in size and complexity from as small as \$25,000 to \$1.2 million with at least 10-20 projects active at any one time. Our team built various projects including a CT scanner, X-ray rooms, entire floor renovations and build-outs, office space, and seismic upgrades. All projects required working with OSHPD, Kaiser's in-house project design team, the facility engineering group, and the end-user staff.
- 1999 - 2000 **Senior Project Manager**, Kitchell CEM, San Jose, CA
My responsibilities coming back to Kitchell CEM were to assist as a project manager for the San Jose Unified School District school modernization program. The entire program spanned over 6 years with a total project budget of approximately \$200 million. My duties included construction management services for specific renovation projects for the school district; specifically client relations, staff supervision, construction supervision, phasing schedule implementation, program management, project cost control and budgeting, overseeing construction management, and in-house reporting.
- 1995 – 1999 **Project Manager**, Webcor Builders, San Mateo, CA
Project Manager in charge of the construction of a 175 key 'W' Suites hotel in Newark, California. Project consisted of a pile foundation, concrete structure, and an EIFS exterior with an estimated construction value of \$16 million and a 12-month construction schedule. My responsibilities as the senior on-site manager included directly supervising twenty-five employees, twenty subcontractors, cost control, schedule creation/compliance, quality control, change order estimates, budgets, subcontractor/vendor subcontracts, company

safety compliance, job set-up, job close-out, profitability, utility/city liaison, and customer relations.

Project Manager in charge of Villa North Beach (Phase II) in San Francisco, a four-story wood frame structure over a concrete foundation subterranean parking garage. The complex is 37 units, 41,600 square feet, with a construction value of \$5.3 million.

Project Manager for a \$31 million (384,000sf) office building in Emeryville, California called Emerystation Plaza. Construction included a pile foundation, toxic soil removal, garage, metal structure, brick panel exterior, built-up roof, finished lobby and bathroom.

Project Manager for 75 telecommunication sites built for Sprint PCS working under Bechtel who was the construction management firm. Sites were located throughout Northern California and varied in size from \$65,000 to \$165,000 (total contract value of over \$5 million).

Project Manager for two seismic upgrade and tenant improvement projects at 777 Davis Street and 660 Howard. Both included the structural upgrade of a brick building in downtown San Francisco that was done in conjunction with a tenant improvement project. Both project's construction costs were over \$1.5 million and each had a schedule of approximately 7 months.

Project Manager for a retail tenant improvement project for 24 Hour Fitness; performed in conjunction with improvements to the entire building in San Francisco. Retail area included an aerobics floor, commercial shower/bath facilities, sauna, whirlpool, lockers, reception area, and office space.

1994 - 1995

Commercial Real Estate Broker, Litton-Fuller Group, Walnut Creek, CA
The firm assisted in the purchase and sale of commercial investment property for its clients generally with a property value of over \$1.0M. The type of properties included office buildings, retail centers, mobile home parks, and apartment buildings. My involvement also included real estate financing for individuals as well as investment real estate; more complex mortgage financing from refinancing of homes to investment financing of multi-million dollar portfolios.

1988 – 1994

Senior Project Engineer, Kitchell CEM, Sacramento, CA
Responsible for the project engineer activities for the construction management of the Marin County Jail in San Rafael. The \$18M jail included 220 cells with supporting facilities including bath/shower, reception area, and full commercial kitchen. My functions included some onsite supervision, code compliance, and document control.

The Riverside II prison facility was a \$200M prison facility located near Blythe California. My duties included the design and construction management of several buildings including cost control, schedule compliance, agency coordination, and contract negotiations.

The Wasco and Delano prison facilities were two identical complexes totaling over \$400 million dollars worth of construction work. Responsibilities included design and construction management of several phases of both buildings including scheduling, cost, and document control.

- 1987 - 1988 **Superintendent**, RS Jenkins Company, Sacramento, CA
On-site field superintendent for the addition of a computer space at the Intel Facility, my responsibilities included on-site supervision of company crews, coordination of all subcontractor activity, job site layout, change order pricing/negotiating, scheduling, billing and project closeout.

Professional Consulting

- 2017 – 2018 **Ernst Law Group – Subject Matter Expert**
Safety Violation Case – possible head injury – worked for the plaintiff in accessing safety protocols and equipment.
- 2016 – 2017 **Excelsior College – Subject Matter Expert**
Evaluation of Career and Technical Education program offered by the Washington Saratoga Warren Hamilton Essex Board of Cooperative Education Services.
- 2011 – 2016 **Procore Technologies, Inc. – Subject Matter Expert**
Construction Project Management Software Company
CM consultation services and employee seminars in the areas of construction industry, jobsite management, and document tracking.
- Summer 2015 **Webcor Builders**
Faculty Fellow – AGC Faculty Internship Program
Cal Poly Student Housing South (SHS) Project
Construction management consultation and project team support
- 2010 – 2013 **Healthcare Technical Services (HTS)**
Research Agreement (Fixed Price) – Dissertation Related
“Effects on Re-Inspection of Utilizing Internet Based Quality Control Software Services on Hospital Projects”
- 2006 – 2010 **Superintendent Career Training Program**
Trainer / Lecturer selected to teach union members of the Carpenters and Joiners Union of America - Carpenters International Training Program. Conducted construction management seminars for the “Superintendent-in-Training” program at the International Training Center - Las Vegas, NV.

TEACHING RELATED ACTIVITIES

Teaching Awards

- Jan 2017 **National Outstanding Educator Award – Recipient**
Associated General Contractor (AGC)
Recognized for work as an educator, mentor of students, and colleague in the construction industry
- May 2016 **Cal Poly – President’s Community Service Award - Recipient**
Service Learning – Faculty Team
Recognized for the success of the Construction Service Learning Class within the Construction Management Department
- March 2015 **National Outstanding Educator Award - Recipient**
Associated Schools of Construction (ASC)
Received in recognition for contributions to excellence in teaching and support for construction education
- October 2013 **National Educator of the Year Award – Recipient**
Construction Management Association of America (CMAA)
Received in recognition of leadership and commitment to construction management students and industry
- April 2010 **Regional Teaching Award – Recipient**
Associated Schools of Construction (ASC) – Region VII
Received in recognition for excellence in teaching
- April 2008 **Cal Poly – Presidents Community Service Award - Recipient**
Service Learning - Individual Award
Awarded for the development and implementation of the construction service learning class – construction management department

Curriculum Development

Program Creation – Cal Poly

- 2019 – 2021 **Granite Heavy Civil Minor Program**
Responsible person in charge of the development, approval, and implementation of a new cross-disciplinary minor program in the construction management and civil engineering programs. Creation of the minor and associated new course proposals as follows:
- CM/CE 436 – Heavy Civil Temporary Structures and Shoring
CM/CE 437 – Heavy Civil Projects and Equipment

2014 – 2015 Professional Certificate Program in Construction Management

Responsible person in charge of the development, approval, and implementation of a new professional certificate program in construction management. Creation of Professional Certificate Program and associated course proposals as follows:

- CM 521 – Construction Cost Estimating and Control (4 Units)
- CM 522 – Construction Planning and Scheduling (4 Units)
- CM 523 – Construction Contracts and Law (4 Units)
- CM 524 – Construction Project Management and Control (4 Units)
- CM 525 – Construction Workforce Productivity and Safety (4 Units)

New Course Creation or Revamped – Cal Poly

- 9/06 – Present
- CM 525 – Construction Workforce, Productivity, and Safety
 - CM 470 – Construction Materials
 - CM 462 – Senior Project II
 - CM 461 – Senior Project I
 - CM 460 – Senior Project Methodology
 - CM 413 – Jobsite Construction Management
 - CM 364I – Integrated Construction Jobsite Management
 - CM 422 – Construction Management COOP
 - CM 420 – Construction Service-Learning.
 - CM 400 – Contractor's License Exam Preparation
 - CM 310 – Construction Materials and Methods

Courses Taught

- 2006 – Present **California Polytechnic State University, San Luis Obispo, CA**
- CM 525 Construction Workforce, Productivity, and Safety (4 Units)
 - CM 470 Construction Materials (4 Units)
 - CM 462 Senior Project II (1 Unit)
 - CM 461 Senior Project I (1 Unit)
 - CM 460 CM Senior Project (2 Units)
 - CM 454 Construction Bidding & Estimating (3 Units)
 - CM 444 Concrete Formwork & Temporary Structures (3 Units)
 - CM 443 Management of the Construction Firm (3 Units)
 - CM 422 Construction Management COOP (3 Units)
 - CM 420 Construction Service Learning (3 Units)
 - CM 413 Construction Jobsite Management (5 Units)
 - CM 400 Contractor's License Exam Preparation (2 Units)
 - CM 364I Integrated Construction Jobsite Management (6 Units)
 - CM 342I Integrated Commercial Construction (6 Units)
 - CM 313 Commercial Construction Management (5 Units)
 - CM 102 Introduction to Construction Management (2 Units)
- 2005 – 2006 **California State University Fresno, Fresno, CA**
- CM 144 Construction Site Planning and Development
 - CM 114 Construction Management

CM 50	Construction Building Systems
CM 10	Construction Estimating
CM 05	Construction Materials
CM 01	Introduction to Construction Management

2000 – 2004 **California State University Sacramento, CA**

CM 22	Construction Project Graphics
CM 21	Construction Documents

CM Department - Student Support Positions

2016 – Present	Senior Project Director – Construction Management Department Oversee Senior Project Program for all Construction Management Students
2016 – Present	Cooperative Education Director – Construction Management Department Oversee Co-op Program for all Construction Management Students
2019 – 2021	Granite Heavy Civil Minor Co-Director Oversee CM/CE Cross Disciplinary Minor Program

Student Research and Supervision

2012 – Present	Senior Project - Faculty Advisor 2020-21 – Advisor for 22 Construction Management Senior Projects 2019-20 – Advisor for 19 Construction Management Senior Projects 2018-19 – Advisor for 14 Construction Management Senior Projects 2017-18 – Advisor for 15 Construction Management Senior Projects 2016-17 – Advisor for 8 Construction Management Senior Projects 2015-16 – Advisor for 5 Construction Management Senior Projects 2014-15 – Advisor for 7 Construction Management Senior Projects 2013-14 – Advisor for 13 Construction Management Senior Projects 2012-13 – Advisor for 12 Construction Management Senior Projects
2007 – 2008	Master's Thesis Committee Member Sedat Rende – Master of Science in Architecture “Comparison of Steel and Concrete Construction for Mid-Rise Buildings in Turkey: A Case Study” - Architecture Department

PROFESSIONAL GROWTH AND DEVELOPMENT

Scholarly Activities

2012 - 2020	Director - Region VII – Far West Associated Schools of Construction (ASC) International Board of Directors (Member)
March 2020	Accreditation Team Member – California Baptist University (CBU) American Council for Construction Education (ACCE) – Riverside, CA

March 2019	Accreditation Team Member – University of Texas-San Antonio (UTSA) American Council for Construction Education (ACCE) – San Antonio, TX
October 2017	Program Evaluator – Approved Accreditation Board for Engineering and Technology (ABET) Program Area – ASAC – Construction Management
March 2017	Accreditation Team Member – Louisiana State University (LSU) American Council for Construction Education (ACCE)
March 2015	Accreditation Team Member - Milwaukee School of Engineering (MSOE) American Council for Construction Education (ACCE)
August 2013	Accreditation Team Member-in-Training (Completed) American Council for Construction Education (AACE)
2010 – 2012	Assistant Director - Region VII Associated Schools of Construction (ASC)

Scholarly Publications

Currently	International Journal of Construction Education and Research ASC - Associated Schools of Construction (Working) “Assessment of Subcontractor Quality on Hospital Construction Projects Through Third Party Inspections” Philip Barlow - California Polytechnic State University and Raymond Issa – University of Florida
April 2021	ASC - Associated Schools of Construction 57 th Annual Conference - Proceedings Paper (Accepted & Co-Presented) CSU Chico, CA “Construction Management Department – Journeyman International: Case Study on an Academic – Philanthropic Partnership” Philip Barlow – California Polytechnic State University and Daniel Wines – Director Journeyman International
April 2020	ASC - Associated Schools of Construction 56 th Annual Conference - Proceedings Paper (Accepted & Co-Presented) Liverpool John Moores University, UK “The Impact of a Studio-based Model on Construction Students Perceptions” Philip Barlow - California Polytechnic State University and Saeed Rokooei - Mississippi State University
June 2016	CIB-World Building Congress International Council for Building (Accepted & Presented) Tampere Hall - Tampere, Finland “Direct Cost of Quality – A Subcontractor’s Perspective” Philip Barlow - California Polytechnic State University & Raymond Issa - University of Florida

- April 2015 **ASC - Associated Schools of Construction**
51th Annual Conference Proceedings Paper (Accepted & Presented)
Texas A&M University in College Station, Texas
“Descriptive Statistical Analysis of OSHPD Quality Inspections on California Hospital Projects”
Philip Barlow - California Polytechnic State University
- April 2015 **University of Florida**
Dissertation (Accepted & Presented)
“Assessment of Subcontractor Quality on California Hospital Construction Projects through Third-Party Inspections”
Philip Barlow - University of Florida
- June 2011 **International Journal of Construction Education and Research**
ASC - Associated Schools of Construction (Published)
“Development and Delivery of an Integrated Project-Based Jobsite Management Undergraduate Course”
Philip Barlow - California Polytechnic State University
- April 2011 **ASC - Associated Schools of Construction**
47th Annual Conference Proceedings Paper (Accepted & Presented)
University of Nebraska – Lincoln, Omaha, NE
“Development of an Integrated Project-Based Course: A Jobsite Management Class Case Study”
Philip Barlow - California Polytechnic State University
- December 2009 **International Journal of Cost Engineering**
AACE – The Association for the Advancement of Cost Engineers (Published)
“Cost of Quality in the Construction Industry”
Philip Barlow - California Polytechnic State University
- April 2009 **ASC - Associated Schools of Construction**
45th Conference Proceedings Paper (Accepted & Presented)
University of Florida – Gainesville, FL
“Case Study in Implementing a Service-Learning Class in a Construction Management Curriculum”
Philip Barlow - California Polytechnic State University
- April 2007 **ASC - Associated Schools of Construction**
43rd Conference Proceedings Paper (Accepted & Co-Presented)
Northern Arizona University – Coolidge, AZ
“Construction Superintendent Skill Sets”
David Gunderson, Philip Barlow, and Allan Hauck

Participation in Professional Associations and Organizations

2005 – Present Associated Schools of Construction (ASC)

Current - Team Coach and Faculty Participant; Past - Region VII Director,

Apr 2021 57th International Conference, CSU Chico, CA
 Feb 2021 34th CM Conference and Student Competition, Reno, NV
 Apr 2020 56th International Conference, John Moores University, UK
 Feb 2020 33rd CM Conference and Student Competition, Reno, NV
 Apr 2019 55th International Conference, University of Denver, CO
 Feb 2019 32nd CM Conference and Student Competition, Reno, NV
 Apr 2018 54th International Conference, Consortium Minneapolis, MN
 Feb 2018 31st CM Conference and Student Competition, Reno, NV
 Apr 2017 53rd International Conference, University Washington, WA
 Feb 2017 30th CM Conference and Student Competition, Reno, NV
 Apr 2016 52th International Conference, BYU, Provo, Utah
 Feb 2016 29th CM Conference and Student Competition, Reno, NV
 Apr 2015 51th International Conference, College Station, TX
 Feb 2015 28th CM Conference and Student Competition, Reno, NV
 Apr 2014 50th International Conference, Blacksburg, VA
 Feb 2014 27th CM Conference and Student Competition, Reno, NV
 Apr 2013 49th International Conference, San Luis Obispo, CA
 Feb 2013 26th CM Conference and Student Competition, Reno, NV
 Apr 2012 48th International Conference, Birmingham, UK
 Feb 2012 25th CM Conference and Student Competition, Reno, NV
 Apr 2011 47th International Conference, Omaha, NB
 Feb 2011 24th CM Conference and Student Competition, Reno, NV
 Apr 2010 46th International Conference, Boston, MA
 Feb 2010 23rd CM Conference and Student Competition, Reno, NV
 Apr 2009 45th International Conference, Gainesville, FL
 Feb 2009 22nd CM Conference and Student Competition, Reno, NV
 Apr 2008 44th International Conference, Auburn, AL
 Feb 2008 21st CM Conference and Student Competition, Reno, NV
 Apr 2007 43rd International Conference, Flagstaff, AZ
 Feb 2007 20th CM Conference and Student Competition, Reno, NV
 Apr 2006 42nd International Conference, Fort Collins, CO
 Feb 2006 19th CM Conference and Student Competition, Reno, NV
 Feb 2005 18th CM Conference and Student Competition, Reno, NV

2012 – 2020 American Council for Construction Education (ACCE)

Former – Faculty Member Participant & OBS Task Force Member

Feb 2020 Mid-Year Meeting, Jacksonville, FL
 Feb 2018 Mid-Year Meeting, Tuscon, AZ
 Feb 2017 Mid-Year Meeting, Orlando, FL
 Feb 2016 Mid-Year Meeting, San Diego, CA
 Feb 2015 Mid-Year Meeting, Long Beach, CA
 July 2013 Annual Meeting, Hartford, CN
 Feb 2013 Mid-Year Meeting, Baton Rouge, LA

- 2012 – 2016 **Construction Management Association of America (CMAA)**
 Former - Academic Member and Faculty Club Advisor
 Oct 2106 National Conference and Trade Show, San Diego, CA
 April 216 Capitol Project Symposium, Austin, TX
 Oct 2014 National Conference & Trade Show, San Francisco, CA
 Oct 2013 National Conference & Trade Show, Las Vegas, NV
- 2006 – 2013 **Associated Builders and Contractors, Inc. (ABC)**
 Former - Faculty Club Adviser and Student Team Coach
 Apr 2013 Workforce Development Conference, Birmingham, AL
 Apr 2012 Educational Conference, San Antonio, TX
 Apr 2011 Educational Conference, San Antonio, TX
 Apr 2010 Regional Meeting “Meet the Generals” Milpitas, CA
 Feb 2010 National Conference, San Diego, CA
 Apr 2009 Educational Conference, Las Vegas, NV
 May 2008 Educational Conferences, Las Vegas, NV
 Mar 2008 National Convention, San Juan, Puerto Rico
 May 2007 Educational Conferences, Las Vegas, NV
 Mar 2007 National Convention, Nashville, TN
- 2009 – 2012 **Association for the Advancement of Cost Engineering (AACE)**
 Former - Full Member
 Mar 2012 51st Annual AACE Western Winter Workshop, Lake Tahoe, CA
 Feb 2011 50th Annual AACE Western Winter Workshop, Lake Tahoe, CA
 Feb 2010 49th Annual AACE Western Winter Workshop, Monterey, CA
- 2010 – 2011 **Design Build International Association (DBIA)**
 Former - Full Member
 Oct 2010 Design-Build Conference and Expo, Las Vegas, NV
- 2002 – 2005 **Project Management Institute (PMI)**
 Former - Professional Member
- 1989 – 2002 **Associated General Contractors of America (AGC)**
 Former - Professional Member

Grants, Fellowships, Contracts

- 2008 – Present **Private Contribution – CM420 - Construction Service Learning Course**
 2021 - \$24,000 Donation - Requested and attained financial support for class
 2020 - \$12,000 Donation – Requested and attained financial support for class
 2019 - \$12,000 Donation – Requested and attained financial support for class
 2018 - \$12,000 Donation – Requested and attained financial support for class
 2017 - \$12,000 Donation – Requested and attained financial support for class
 2016 - \$12,000 Donation – Requested and attained financial support for class
 2015 - \$12,000 Donation – Requested and attained financial support for class
 2014 - \$12,000 Donation – Requested and attained financial support for class
 2013 - \$12,000 Donation – Requested and attained financial support for class

- 2012 - \$12,000 Donation – Requested and attained financial support for class
2011 - \$12,000 Donation – Requested and attained financial support for class
2010 – \$8,000 Donation – Requested and attained financial support for class
2009 - \$12,500 Donation – Requested and attained financial support for class
2008 - \$9,000 Donation – Requested and attained financial support for class
- 2013 – 2019 **Sponsorship Recipient – Procore Project Management Software**
2019 - 100 Student Private Use Licenses (\$50,000 Value)
2018 - 100 Student Private Use Licenses (\$50,000 Value)
2017 - 100 Student Private Use Licenses (\$50,000 Value)
2016 - 100 Student Private Use Licenses (\$50,000 Value)
2015 - 100 Student Private Use Licenses (\$50,000 Value)
2014 - 100 Student Private Use Licenses (\$45,000 Value)
- October 2017 **Center for Innovation and Entrepreneurship (CIE) - Fellowship**
\$15,000 Fellowship Award – Class 2017-18
Titled: “Senior Project Success through Innovation and Integration”
- January 2016 **Construction Employers’ Association (CEA)**
\$32,500 Grant Awarded – CM University Grant Program
Awarded to Cal Poly – Construction Management Department
- March 2015 **Faculty Internship Grant – Association of General Contractors (AGC)**
\$30,000 Grant Awarded – AGC Education and Research Foundation
Faculty Internship Professional Development Program
Cal Poly Student Housing South Project – Webcor Builders – Summer 2015
- 2009 – 2013 **Instructional Related Activities (IRA) Funding – Cal Poly**
2013 - \$3,000 Funded - ABC National Student CM Competition & Convention
2012 - \$3,000 Funded - ABC National Student CM Competition & Convention
2011 - \$4,000 Funded - ABC National Student CM Competition & Convention
2010 - \$4,000 Funded - ABC National Student CM Competition & Convention
2009 - \$6,000 Funded - ABC National Student CM Competition & Convention
- 2008 – 2013 **Sponsorship Recipient – Prolog Project Management Software**
Cal Poly – CM Department – CM 413 Jobsite Management Course
2013 - 30 Student Private Use Licenses (\$60,000 Value)
2012 - 30 Student Private Use Licenses (\$60,000 Value)
2011 - 30 Student Private Use Licenses (\$55,000 Value)
2010 - 30 Student Private Use Licenses (\$55,000 Value)
2009 - 30 Student Private Use Licenses (\$50,000 Value)
- 2008 – 2012 **Sponsorship Recipient– Associated Builders and Contractors (ABC)**
ABC – Cal Poly Student Competition Team – Southern California Chapter
California Polytechnic State University – Construction Management
2012 - \$3,000 Contribution – Requested and attained financial support
2009 - \$3,000 Contribution – Requested and attained financial support
2008 - \$6,500 Contribution – Requested and attained financial support

- 2007 – 2014 **Sponsorship Recipient – Clicksafety Online Software Access**
Online 10/30 Hour OSHA Construction Safety Training - Certification
California State University – Construction Management Department
2014 – 75 Student Use Access (\$15,000 Value)
2013 – 75 Student Use Access (\$15,000 Value)
2012 – 75 Student Use Access (\$15,000 Value)
2011 – 75 Student Use Access (\$15,000 Value)
2010 – 75 Student Use Access (\$15,000 Value)
2009 – 50 Student Use Access (\$10,000 Value)
2008 – 50 Student Use Access (\$10,000 Value)
2007 – 50 Student Use Access (\$10,000 Value)
- June 2010 **Public Grant Recipient – Learn and Serve America**
\$25,000 Grant Awarded – Co-Submitted for California Campus Compact
Funds benefited the collaboration between CM and MATE programs
- April 2010 **Private Research Grant Recipient – Healthcare Technical Services (HTS)**
\$10,000 Research Agreement Awarded – “Effects on Re-Inspection of
Utilizing Internet Based Quality Control Software on Hospital Projects”.
- May 2008 **University of Florida – Rinker Fellowship**
\$70,000 Fellowship Awarded – Tuition and financial support
2008 – 2015 Rinker Scholar Award
University of Florida M.E. Rinker, Sr. School of Building Construction
- March 2006 **Grant - Contractors State License Board (CLSB)**
\$46,000 Grant Awarded – Requested and obtained funding from the
Construction Management Education Sponsorship Act - California State
University – Construction Management

Invited Professional, Scholarly Reviews and Lectures

- 2008 - Present **Journal Manuscript Peer Reviewer**
- Environmental Research: Infrastructure and Sustainability (Jan 2021)
“Gender-based Perception of Civil Engineering and Construction Students
towards Infrastructure and Community Resilience”
 - Engineering Construction and Architectural Management (October 2020)
“Implications of Coordinating Offsite Prefabrication with In-situ
Construction”
 - International Journal of Construction Education and Research (Oct 2017)
“Attracting and Retaining Tradespeople, an Evaluation of Influencers on
Construction Workers in Two Different Trades in Texas”
 - Journal of Cost Analysis and Parametrics (Oct 2016)
“Dynamics of New Building Construction Cost: Implications for
Forecasting Escalation Allowances”

- International Journal of Construction Education and Research (Oct 2016)
“Attracting and Retaining Tradespeople, an Evaluation of Influencers on Construction Workers in Two Different Trades in Texas”
- International Journal of Construction Education and Research (May 2015)
“An Evaluation of Factors for Retaining Female Students in Construction Management Programs”
- International Journal of Construction Education and Research (May 2013)
“Improving Writing Skills of Construction Management Undergraduates: Developing Tools for Empirical Analysis of Writing to Create Writing-Enriched Construction Management Curriculum”
- International Journal of Construction Education and Research (July 2011)
“Towards Understanding Academic and Industry Semantics for innovation in the Construction Industry”
- International Journal of Construction Education and Research (June 2010)
“Effectiveness of Linked-English Courses in an Integrate First-Year Engineering Curriculum”
- Construction Management and Economics (Oct 2008)
“Assessment of Construction Workforce Skills Needs in Egypt”

2010 - Present **Associated Schools of Construction (ASC)**
Proceeding Paper Manuscript Peer Reviewer

- 2021 – Two Papers Reviewed
- 2020 - Two Papers Reviewed
- 2019 - Two Papers Reviewed
- 2018 - Two Papers Reviewed
- 2017 - Two Papers Reviewed
- 2016 - Two Papers Reviewed
- 2015 - Two Papers Reviewed
- 2014 - Two Papers Reviewed
- 2013 - Three Papers Reviewed
- 2012 - Two Papers Reviewed
- 2011 - Three Papers Reviewed
- 2010 - Three Papers Reviewed

2018 - Present **Associated Builders and Contractors (ABC) - Southern Cal. Chapter**
Annual Excellence in Construction
Judge of Submitted Proposals for Awards

June 2021 **Professional Assessment - Tenure Review – University of Auburn**
College of Architecture, Design and Construction
Eric Wetzel – Promotion and Tenure

- February 2021 **Worcester Business Journal – Article Contributor**
“Challenging site, tight timeline led to major cost increases for Polar Park”
Grant Welker
- February 2021 **Conference Presenter - ASC - Associated Schools of Construction**
34th Annual Construction Management Conference – Reno, NV
“How Cal Poly Created a New Minor in Heavy Civil Construction”
- February 2020 **Conference Presenter – ASC - Associated Schools of Construction**
33rd Annual Construction Management Conference - Reno, NV
“Cal Poly’s Journey of Implementing the AIC-AC-Level 1 Examination”
- June 2019 **Book Review and Endorsement - Taylor & Francis**
“Construction Superintendents: Essential Skills for the Next Generation” by
Len Holm and John Schaugelberger
- March 2019 **Presenter/Panelist - Foundation for Interdisciplinary Studies (FIS)**
“Interdisciplinary Collaboration Success Stories – Across the Lawn”
- May 2018 **Presenter/Panelist - Foundation for Interdisciplinary Studies (FIS)**
“Interdisciplinary Collaboration Success Stories - The Reality: Student and
Faculty Perspective”
- February 2018 **Presenter – American Council for Construction Education (ACCE)**
Mid-Year Conference - Tucson, AZ
“Incorporating Craft Training into a CM Program”
- February 2016 **Procore Technologies – Groundbreak Conference**
Invited Guest Speaker and Participant - “Technology in the Classroom”
- May 2015 **Cal Poly – More Than a Motto – Learn by Doing Conference**
“Implementing a Service Learning Program in the Construction Management
Curriculum” – Simpson Strong-Tie Lab (Presented)
Philip Barlow and Al Hauck – Construction Management (CAED)
- October 2012 **Constructech – Technology Day 2012**
Presenter – Guest Speaker
HTS and Kaiser Permanente Presentation on Computer Software Application
- May 2009 **California State University – 12th Symposium on University Teaching**
Presenter - “Case Study in Implementing a Service-Learning Class in a
Construction Management Curriculum” Cal Poly, San Luis Obispo, CA
- October 2009 **Associated Builders and Contractors (ABC) – North Florida Chapter
2009 Annual Excellence in Construction**
Judge of Submitted Proposals for Awards

- 2008 - 2010 **University of Florida, College of Design, Construction, and Planning**
M.E. Rinker Sr. School of Building Construction
 Adjunct Professor – Guest Lecturer – Construction Project Management
 Adjunct Professor – Guest Lecturer – Temporary Structures
- November 2007 **National Association of State Contracting Licensing Agencies (NASCLA)**
 Writer - Nominated by the Professional Examination Service (PES)
 Workshop attended for formulating contractor licensing exam questions
- 2007 – 2008 **Allied Business Schools, Inc. – Publisher**
 Writer - Commissioned to write: “California General Building (B) Manual”
 Project terminated due to business plan change – used for class reference

SERVICE

Service – University

- 2015 – 2021 **Board Member – Cal Poly Corporation Board of Directors**
 Faculty Member Representative
 Corporation Budget and Finance Committee (appointment)
- Winter 2020 **Committee Member** - Consultative Search Committee for the Chief
 Executive Officer of Cal Poly Corporation (CEO)
- 2012 – 2018 **Academic Senate Curriculum Committee – CAED Representative**
 Elected to represent the College of Architecture and Environmental Design
- October 2017 **Academic Senate Executive Committee – Senior Project Task Force**
 Elected to represent the College of Architecture and Environmental Design
- October 2016 **Workshop Series: Mentoring Undergraduate Researchers through
 Inclusive, Effective and Equitable Practices (Participant)**
 Cal Poly – Inclusivity and undergraduate research developmental skills
- 2014 – 2015 **Academic Plan for Enrolment - Faculty Member Participant**
 Process and Master Plan – CAED Faculty Member
- 2014 – 2015 **Cal Poly Master Plan Update – Advisory Committee**
 Campus Life – CAED Faculty Member – Construction Management
- 2013 – 2014 **WASC – Learn by Doing Working Group**
 Faculty Participating Member – Construction Management
- 2010 – 2012 **Academic Senate Senator, California Polytechnic State University**
 Elected to represent the College of Architecture and Environmental Design
- Academic Senate Curriculum Committee – Representing CAED
 - Western Association for Schools and Colleges (WASC) – LBD Task Force
 - Sustainability Advisory Committee

2007 – 2008 **Academic Senate Senator, California Polytechnic State University**
 Elected to represent the College of Architecture and Environmental Design
 Senator – CAED – Construction Management Department

Service – College

2015 – Present **CAED – Professional Development & Leave Committee - Chair**
 Member – Construction Management Department

2018 – Present **CAED – Peer Review Committee (CPRC) - Chair**
 Member – RPT Evaluation Process

2017 – 2019 **CAED – New Major Committee – BS Sustainable Design and Built Env.**
 Member – Construction Management Department

2016 – 2017 **CAED – Strategic Planning Committee**
 Core Writing Team Member – Construction Management Department

Spring 2014 **CAED - Faculty Search Committee - Chair**
 College Tenure Track Position – Interdisciplinary – Beginning Design Position
 Collage Tenure Track Position – Interdisciplinary – Sustainability Position

2011 – 2016 **College Curriculum Committee - Chair**
 Member – Construction Management Department Representative

2010 – 2011 **Architecture and Construction Alliance (A+CA)**
 Committee Chair – Curriculum (Learning & Pedagogy)

Service – Department

2006 – Present **Academic Year - Student Advising**
 Yearly – full academic advising responsibilities for Construction Management
 Department student population (yearly advisees - 40 to 60 students)

2006 – Present **Coach - ASC Regional Construction Student Competition**
 Commercial Team Faculty Coach (Various Years)
 Risk Management Faculty Coach (Various Years)

2012 – Present **Club Advisor - Construction Management Association America (CMAA)**
 Student Chapter Faculty Advisor

2016 – Present **Club Advisor - Construction Management Entrepreneurs (CME)**
 Founder and Faculty Advisor

2020 – 2022 **CM Search Committee – Chair**
 Cal Poly Construction Management Department

2015 – 2018 **Promotion & Tenure Committee - Chair**
 Cal Poly Construction Management Department

- 2010 – 2015 **Curriculum Committee - Chair**
Cal Poly Construction Management Department
- 2006 – Present **Committee Member - Various Committees Various Years**
Outcomes Assessment – Senior Project Task Force – Strategic Planning -
CCCE Executive Committee – Search Committee – Curriculum Committee –
Scholarship
- 2006 – 2013 **Club Advisor & Coach, Associated Builders and Contractors (ABC)**
National Student CM Competition - Student Chapter Faculty Advisor

Service – Community

- 2007 – Present **Construction Service Learning Course – Central Coast, CA**
Fundraiser, Organizer, and Volunteer – Annual Spring CM Class
20+ CAED students participate each year building community projects
- 2017 – 2021 **The Alliance – Foundation for Interdisciplinary Studies, SLO, CA**
Executive Committee Member – Faculty Liaison
- 2007 – 2012 **Maxine Lewis Homeless Shelter – San Luis Obispo, CA**
Volunteer on facility renovation in conjunction with the Construction
Management Honor Society (SLX)
- 2006 – 2009 **Pacific Reparatory Opera (PRO) – San Luis Obispo, CA**
Board Member and involved in several committees
- 2001 – 2005 **Habitat for Humanity – Sacramento, California**
Participation as a volunteer in home repair and renovation
- 1996 – 2000 **Christmas in April – Mid- Peninsula, California**
Participation as a volunteer in home repair and renovation