Taylor Engineering LLC
1080 Marina Village Parkway, Suite 501 ■ Alameda, CA 94501-6427 ■ (510) 749-9135 ■ Fax (510) 749-9136

ALLAN DALY, P.E.

Allan Daly is a registered mechanical engineer with a B.S. in Civil Engineering from Stanford University and an M.S. in Civil Engineering and a pending M.S. in Architecture from the University of California, Berkeley. He specializes in energy efficient and environmentally responsible HVAC system designs that maximize occupant health and comfort. He is an expert in the use of computer programs to simulate buildings and systems to predict building energy consumption, thermal performance, natural ventilation, and occupant comfort.

At Taylor Engineering, Mr. Daly employs his broad experience from government, research, academia, teaching, and consulting engineering to design and analyze innovative and sustainable mechanical systems.

Allan is a frequent lecturer for both professional and academic audiences. He teaches at UC Berkeley in the College of Environmental design and taught building engineering for three years at Stanford University. He is also an active researcher involved with the Center for the Built Environment at UC Berkeley.

Allan has recently been nominated to participate on the LEED Technical Advisory Committee for the Energy and Atmosphere portion of the rating system. In the course of this work he applies his expertise in energy codes and standards, energy modeling, mechanical engineering, and commissioning to help improve the LEED rating system.

Taylor Engineering LLC
1080 Marina Village Parkway, Suite 501 ■ Alameda, CA 94501-6427 ■ (510) 749-9135 ■ Fax (510) 749-9136

ALLAN DALY, P.E.

Education

1998	University of California, Berkeley, M.S. Architecture (Building Science, thesis 8/06)
1998	University of California, Berkeley, M.S. Civil Engineering (Structural)
1992	Stanford University, B.S. Civil Engineering
1992	Stanford University, B.A. Drama with Honors

Registration

2000 – present State of California: Mechanical Engineer, M31302

Experience

2000 – present Taylor Engineering, Alameda, CA

Principal. Projects include multiple buildings at UC Merced, UC Berkeley Bancroft Library, UC Santa Cruz Humanities and Social Science Facility, Stanford University Law School and Concert Hall.

1998 – 2000 Ove Arup and Partners California, San Francisco, CA

Mechanical Engineer. Projects included green building projects S.T. Dana Building, University of Michigan; Jasper Ridge Biological Preserve, Stanford University; Sunshine Building, Sunshine Foundation, Gig Harbor, WA; Teledesic Headquarters, Bellevue, WA.

1996 – 1998 Center for Environmental Design Research, University of California, Berkeley, CA

Graduate Student Researcher, Vital Signs Curriculum Materials Development Project. Training material and web site developer for project to make building physical-performance analysis an integral part of architecture education.

1992 – 1995 SocioTechnical Research Applications, Inc., Washington, DC.

Associate, Energy and Environment Division. Researched environmental and energy policy and developed databases for a small government consulting firm. Projects included supporting the U.S. EPA's *Building Air Quality Alliance*, research for *National Environmental Policy Act* (NEPA) implementation in the Department of Energy.

Professional Associations

American Society of Heating, Refrigeration, and Air-conditioning Engineers (ASHRAE)
Member, 1996 – present
United States Green Building Council
Member, 2000 – present
LEED Energy and Atmosphere Technical Advisory Group
Member, 2009 – present
National Society of Professional Engineers
Member, April, 2000.

Honors and Awards

Student Travel Grant for Outstanding Student Involvement in HVAC & R, ASHRAE, Golden Gate Chapter, 1996
Douglas Russell Award for Excellence in Theatrical Design, Stanford University, 1991
National Merit Scholar Finalist, 1987
Gannett Foundation Merit Scholarship Recipient, 1987

Teaching Experience

"Underfloor Design Workshop," instructor, Pacific Gas and Electric Energy Center
"Building Energy and Environmental Management," graduate student instructor, Architecture Department, University of California, Berkeley, CA, 1996 – 1997. Prepared course materials and taught a discussion section.
Building Energy Laboratory, teaching assistant, Stanford University, CA, 1992. Only undergraduate among eight teaching assistants.
California College of Arts and Crafts, guest lecturer
Stanford University, guest lecturer, graduate student teacher
University of California, Berkeley, guest lecturer, graduate student teacher
University of Michigan, guest lecturer

Publications

Underfloor Air Distribution (UFAD) Design Guide, co-authored with F. Bauman, ASHRAE, ISBN 1-931862-21-4, 2003.
Monitoring Building Performance, Chapter 21 of Time Saver Standards for Architectural Design Data, 7th Edition, co-authored with W. Burke and C. Benton, McGraw Hill, 1997.

Presentations

Building "Green" at Colleges and Universities, presenter, Society of College and University Planners 36th Annual Conference (SCUP-36), MA, with Carl Elefante, AIA, (Quinn|Evans Architects, Washington DC) and Doug Koepsell, Project Architect (University of Michigan, Ann Arbor, MI), 2001.
What Does It Take To Score All 17 LEED Energy Points?—How to Effectively Integrate Energy Modeling into Architectural Design, presenter, EnvironDesign5 conference, GA, 2001.
The Greening of Dana: A Classroom and Laboratory for Sustainable Design, presenter, Society of College and University Planners 35th Annual Conference, with Rusell Perry (William McDonough + Partners), Carl Elefante (Quinn Evans | Architects) and Marie Logan (School of Natural Resources and Environment, University of Michigan).

Representative Projects

Alameda Free Library	Alameda, CA, 45,000 ft^2, LEED NC
Center for the Built Environment Study	Berkeley, CA, improvement and refinement of EnergyPlus/UFAD and Design Tool for CEC project "Advanced Design and Commissioning Tools for EnergyEFficient Building Technologies"
Chartwell School	Seaside, CA, 20,000 ft^2, LEED NC Platinum
City College San Francisco Chinatown	San Francisco, CA, 167,000 ft^2
Jasper Ridge Field Station, Stanford	Stanford, CA, 13,000 ft^2
Palm Inc. Campus	San Jose, CA, 1,600,000 ft^2
S.T. Dana Building, Univ. of Michigan	Ann Arbor, MI, 100,000 ft^2, LEED NC Gold
San Mateo Public Library	San Mateo, CA, 90,000 ft^2, LEED NC Gold

School of Int'l Service, American U.	Washington D.C., 150,000 ft^2, LEED NC Gold
Stanford Green Dorm Study	Stanford, CA, Green dorm feasibility study
Stanford Keck, Stauffer I and II	Stanford, CA, Energy efficiency studies
Stanford Law Academic Building	Stanford, CA, 64,000 ft^2
Stanford LCCA Project	Stanford, CA, Life cycle cost analysis study
Sunshine Bldg., Sunshine Foundation	Gig Harbor, WA
Teledesic Headquarters	Bellevue, WA, 70,000 ft^2
UC Berkeley Bancroft Library	Berkeley, CA, 110,000 ft^2
UC Berkeley Boalt Hall	Berkeley, CA, 30,000 ft^2, LEED NC
UC Berkeley Wurster Hall	Berkeley, CA
UC Merced	Merced, CA, 400,000 ft^2, LEED NC Silver
UC Merced Classroom/Office Bldg.	Merced, CA, 95,000 ft^2, LEED NC Gold
UC Merced Dining Center Expansion	Merced, CA, 11,000 ft^2
UC Merced Garden Suites	Merced, CA, 122,000 ft^2, LEED NC Silver
UC Merced Health and Wellness Facility	Merced, CA, 35,000 ft^2
UC Merced Social Sciences/Mgmt. Bldg.	Merced, CA, 100,000 ft^2
UC Riverside Student Services Bldg.	Riverside, CA, 58,000 ft^2
UC San Francisco 654 Minnesota	San Francisco, CA, 66,000 ft^2
UCSC Humanities/Social Sciences Bldg.	Santa Cruz, CA, 85,000 ft^2
Vista (Berkeley Community) College	Berkeley, CA, 160,000 ft^2, LEED NC Silver