



Gregory P. Luth & Associates

Structural Engineers and Builders

Gregory P. Luth, Ph.D., S.E.

President & Chief Engineer



PERSONAL

Born on January 2, 1950 in St. Louis, Missouri, disabled Vietnam veteran.

TECHNICAL SPECIALTIES

Areas of expertise are conceptual design, lateral load analysis, and production of working drawings for building structures using all conventional building materials; renovation of historic structures; seismic design and retrofit of building structural systems, piping systems, and mechanical systems; integrated design/construction on large or complex design projects; and the application of emerging technologies such as CAD/CAE to the problem of integrating the interdisciplinary design tasks and incorporating facility management considerations during the conceptual design phase.

EDUCATION

Bachelor of Science, Civil Engineering, Magna Cum Laude
University of Alaska, June 1974

Master of Science, Civil Engineering (Structures)
Stanford University, June 1975

Degree of Engineer, Civil Engineering (Structures)
Stanford University, January 1979

Doctor of Philosophy, Civil Engineering (Structures)
Stanford University, June 1991

PROFESSIONAL REGISTRATIONS

★Alabama ★Arizona (Civil and Structural) ★Arkansas ★California (Civil and Structural)
★Colorado ★Connecticut ★District of Columbia ★Florida ★Georgia ★Guam (Civil and Structural)
★Hawaii ★Idaho (Civil and Structural) ★Illinois (Civil and Structural) ★Indiana
★Iowa ★Kansas ★Kentucky ★Louisiana ★Maine ★Maryland ★Michigan ★Minnesota
★Mississippi ★Missouri ★Montana ★Nebraska ★Nevada (Civil and Structural) ★New Hampshire
★New Jersey ★New Mexico ★New York ★North Carolina ★North Dakota
★Ohio ★Oklahoma ★Oregon (Civil and Structural) ★Pennsylvania ★Rhode Island ★South Carolina
★South Dakota ★Tennessee ★Texas ★Utah ★Vermont ★Virginia ★Washington
★West Virginia ★Wisconsin ★Wyoming (Civil and Structural)

AWARDS

- 2008 SEAONC Awards for Excellence in Engineering – Two Awards for New Construction and Special Use Categories. – EOR on both projects.
- Outstanding Paper of 2000, Journal of the Performance of Constructed Facilities, American Society of Civil Engineers

PROFESSIONAL HISTORY

March 1985 - Present

Founder, President, Gregory P. Luth & Associates

January, 1998 – April, 2003

Co-founder, President and CEO KL&A, Inc.

January, 1995 – January, 1998

Co-founder, President, Krawinkler Luth & Associates

January, 1990 - December, 1994

Founder, President, TSDC of Colorado

January, 1991 - May, 1994

Managing Engineer, Failure Analysis Associates, Menlo Park, California

January, 1987 - December, 1987

Senior Vice-President, Walter P. Moore & Associates, Tampa, Florida

January, 1986 - December, 1986

Founder, President, KLMA, Inc., Denver, Colorado

January, 1982 - February, 1985

Vice President, Tabor Engineers, Denver, Colorado

January, 1981 - December, 1981

Associate, GCE, St. Louis, Missouri

October, 1976 - December, 1980

Design Engineer, Jack D. Gillum & Associates, St. Louis, Missouri

PUBLICATIONS

Luth, G.P., Jain, D., and McDonald, B., "Qualitative Formulation of Load Paths Through a Functional Description of Structures," Proceedings, Fifth International Conference on Computing in Civil and Building Engineering, Anaheim, California, 1993

Luth, G.P., Krawinkler, H., and Law, K.H., "Representation and Reasoning for Integrated Structural Design," CIFE Technical Report #55, Center for Integrated Facility Engineering, Stanford University, June 1991.

Luth, G. P., Jain, D., Krawinkler, H., and Law, K. H., "A Formal Approach to Automating Conceptual Structural Design. Part I, Methodology," Engineering With Computers, Vol 7, No. 2, 1991, pp. 79-89.

Jain, D., Krawinkler, H., Luth, G. P., and Law, K. H., "A Formal Approach to Automating Conceptual Structural Design. Part II, Application to Floor Framing Generation," Engineering With Computers, Vol 7, No. 2, 1991, pp. 91-107.

Luth, G. P., Jain, D., Krawinkler, H., and Law, K. H., "A Methodology for Conceptual Structural Design," Proceedings of Seventh Conference on Computing in Civil Engineering, ASCE, Washington, D.C., May 1991, pp. 34-43

Jain, D., Krawinkler, H., Luth, G. P., and Law, K. H., "Generation of Floor Framing Plans for Steel Office Buildings," Proceedings of Seventh Conference on Computing in Civil Engineering, ASCE, Washington, D.C., May 1991, pp. 288-297.

Jain, D., Krawinkler, H., Luth, G. P., and Law, K. H., "A Formal Approach to Automating Conceptual Structural Design," CIFE Technical Report #31, Center for Integrated Facility Engineering, Stanford University, August, 1990.

"NPAMS2, An Example of Interactive Structural Analysis on Minicomputers," Degree of Engineer Thesis, Stanford University, January 1979.

REPRESENTATIVE PROJECTS

EOR	(Under design)	Livermore Performing Arts Center, Livermore, California
EOR	(Under permitting)	Port Lawrence, Palm Springs, California
EOR	(Under construction)	Alta Montecito, Las Vegas, Nevada
EOR	(Preparing for construction)	Naval Amphibious Operations Facilities, Coronado, California
EOR	(Under construction)	USC School of Cinematic Arts, Los Angeles, California
EOR	(Under construction)	Disney Grand Californian Hotel & Suites Expansion, Anaheim, California
EOR	2008	Armory & Communications Complex, Camp Pendleton, California
EOR	2008	Hollywood Slots @ Penn National Raceway, Grandstand, Gaming & Parking Garage, Grantville, Pennsylvania
Peer Reviewer	2007	VA Medical Center, West Los Angeles, California.
EOR	2007	Greenwood Regional Rehabilitation Hospital, Greenwood, South Carolina
EOR	2006	Hollywood Slots @ Bay St. Louis, Bay St. Louis, Mississippi
EOR	2006	Physician's Medical Center -Parking Garage and Office Bldg III, San Diego, California
EOR	2004	Long Beach VA Hospital, retrofit isolator bracing system, Long Beach, California
EOR	2004	Veterans Administration Maintenance Buildings, Golden Gate National Cemetery, San Francisco, California
EOR	2004	Mt. Hermon Field House, Santa Cruz mountains, California
EOR	2003	Mather VA Hospital, retrofit, Sacramento, California
EOR	2003	Moosman Bridge (timber bridge on golf course), Sacramento, California
EOR	2002-2006	Charlestown Race Track, Charlestown Phases I-IV, West Virginia
EOR	2002	HGTV Dream House, Bay County, Florida
EOR	2002	Casino Magic Hotel, (12-story post-tensioned hotel), Bay St. Louis, Mississippi
EOR	2001	Tabor Center Redevelopment, Denver, Colorado
EOR	2001	DownTown Disney, Anaheim, California
EOR	2000	Disney's Grand Californian Hotel, Anaheim, California
EOR	2000	Orchard Hotel, San Francisco, California
EOR	1999	Grand Pines Clubhouse (timber & log clubhouse), Gulf Port, Mississippi
EOR	1997	Lennox Corporate Headquarters, Dallas, Texas
EOR	1990s	10 School projects for Bay Area varies school districts
EOR	1996	City Center West (2 new 5-story office buildings), Las Vegas, Nevada
EOR	1996	Las Vegas Hilton Sign, (world's tallest sign), Las Vegas, Nevada
EOR	1996	Coronado Bridge, Contract 1, (seismic retrofit), San Diego, California

EOR	1996	Casino Magic Pavilion, Bossier City, Louisiana
SC	1995	Richmond-San Rafael Bridge, Retrofit, independent check, Richmond, California
EOR	1995	Isle of Capri Pavilion, Lake Charles, Louisiana
EOR	1994	Isle of Capri Pavilion, Biloxi, Mississippi
EOR	1993	Aspen Concert Hall, Aspen, Colorado
EOR	1991	18 th Street Atrium renovation, Denver, Colorado
EOR	1991	Tramway Building renovation, Denver, Colorado
EOR	1988	Rivercenter, (mixed use on the Riverwalk), San Antonio, Texas
EOR	1985	Tabor Center, (mixed use), Denver, Colorado
EOR	1985	State Office Building renovation Denver, Colorado
EOR	1985	Tivoli Brewery Renovations (historical landmark), Denver, Colorado
Project Manager		Southwestern Bell Headquarters, St. Louis, Missouri
Project Manager		Tampa Convention Center, Tampa, Florida
Project Engineer		Lake Placid Olympic Arena, Lake Placid, New York
Project Engineer		USA Today Building, Washington, District of Columbia.
Project Engineer		Sheraton Park, Washington, District of Columbia