



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 18th 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