



**ROBERT A. HALVORSON, SE, PE, FStructE Principal**

Robert A. Halvorson, SE, PE, FStructE leads the structural engineering practice of Halvorson and Partners. Bob, as he is known by most, is an industry leader in tall building design. Over the past thirty years Bob has engineered over forty buildings of forty stories or more including the 118-story Russia Tower, which when completed will be the tallest building in Europe. His interest in building structures began with a summer job as a carpenter's helper and continued through his formal studies at Cornell and Stanford. Bob began his career with Skidmore Owings & Merrill (SOM), serving in their Chicago, Houston, New York and London offices. In 1983 his demonstrated leadership and creativity earned him the distinction of becoming the firm's youngest partner. Never one to become complacent, Bob left SOM and founded Halvorson and Partners in 1996. Now, just 12 years later the firm has offices and personnel in Chicago, Atlanta and Abu Dhabi with a total staff of 50 professionals. Under Bob's leadership the firm has design projects underway in a number of countries including Spain, the United Arab Emirates, Russia, Korea and China. Bob is a Fellow of the American Society of Civil Engineers and of the Institution of Structural Engineers in the UK. His passion for tall buildings has never subsided. Today, Bob's greatest professional joy is sharing that passion with owners, architects and contractors to develop creative solutions for seemingly impossible structures.

**EDUCATION**

Master of Science, Structural Engineering, Stanford University, 1975

Bachelor of Science, with distinction, Civil Engineering, Cornell University, 1974

**PROFESSIONAL REGISTRATIONS**

Licensed Professional Engineer in CO, IA, IN, MA, MI, MN, MO, NY, OH, TX, WI

Licensed Civil Engineer in California

Licensed Structural Engineer in IL and AZ

Chartered Engineer in the United Kingdom

**PROFESSIONAL ASSOCIATIONS**

American Society of Civil Engineers (Fellow), Institution of Structural Engineers (Fellow), Chicago Committee on High Rise Buildings, American Institute of Architects (Affiliate Member), American Concrete Institute, American Institute of Steel Construction, Structural Engineers Association of Illinois, Council on Tall Buildings and Urban Habitat, International Association for Bridge and Structural Engineering, International Building Study Group

**SELECTED PROJECTS**

**1 Dubai Tower**, cluster of three super-towers totaling over 800,000 square meters, linking at the base and by occupied sky bridges, Dubai, United Arab Emirates

**1 Park Avenue**, mixed-use tower, over 600 meters tall, with undulating 'steel ribbons' visually expressing the tower's integrated structure and energy systems, Dubai, United Arab Emirates

**Samsung Global Engineering Center Competition**, concept designs for office facilities for 180,000 square meter world engineering headquarters, Seoul, South Korea

**Samsung Research and Development Center**, collaborated to create hexagonal grid shell structure scheme for local engineer to complete later in the design phase, Seoul, South Korea

**Yongsan Development Competition**, concept design for mixed-use development; devised unique structural concept for a series of six spiraling towers, the tallest at 500 meters, Seoul, South Korea

**Lotte World Tower Competition**, worked with architect's 120-story design to configure structural scheme, Busan, South Korea

**UAE Pavilion**, sand dune inspired exhibition space highlighting the United Arab Emirates at the Shanghai Exposition in 2010, Shanghai, China

**Dubai Bridge Competition**, a series of pedestrian bridges to cross the Dubai Creek, Dubai, United Arab Emirates 2009

**Jeju No-Hyeong Dong Hotel**, concept design for 280,000 square meter hotel and residential development including two 60-story towers, Jeju-Do, South Korea

**Kazakhstan**, schematic design concept for a multi-use development with high rise residential, retail, hotel, office and parking, Astana, Kazakhstan

**Lusail**, concept design of a twisting 300 meter tall multi tower development, Lusail, Qatar

**X/O Condominiums**, concept design of two sloped residential buildings of 34 and 44 stories, Chicago, Illinois

**980 Madison**, , concept design for a 30-story residential addition with only the core penetrating the existing building, New York, New York

**InterContinental Hotel**, proposed 850 foot tall tower includes hotel, residential and parking facilities, Chicago, Illinois 2010

**Central Market**, mixed-use development with three high-rise towers including residential, hotel, and office facilities, 88, 53, and 58 stories respectively, surrounded by seven million square feet of marketplace and retail space with below grade parking and an 11-story business hotel, Abu Dhabi, United Arab Emirates 2010

**Russia Tower**, 600 meter tall mixed-use tower, containing office, residential and hotel, with Y-shaped plan tapering in elevation; central core and exterior diagrid columns, both of reinforced concrete, provide the tower's gravity and lateral system; built-up long-span trusses and rolled steel serve as floor framing, Moscow, Russia 2012

**Elysian Hotel and Private Residences**, a 60-story, 700 foot tall and slender hotel and residential tower using a Tuned Liquid Damper to control perceptible building motion, reinforced concrete tower with a four-story steel frame low-rise building connection, four levels of below grade parking with reinforced concrete slurry wall construction, Chicago, Illinois 2009

**Canyon Ranch**, concept design of an 800,000 square foot mixed-use building with residential, hotel, office and parking facilities, Chicago, Illinois

**The Index Building**, 85-story office and residential tower, part of the Dubai International Financial Centre, Dubai, United Arab Emirates 2008

**Caja Madrid**, 40-story, 250 meter tall corporate headquarters, Madrid, Spain 2008

**Park 1000**, concept design of a 40-story residential tower plus nine-story podium for parking, located at the south end of Michigan Avenue's landmark district, Chicago, Illinois

**50 East Chestnut**, 500 foot tall, residential building with a retail and parking podium, Chicago, Illinois 2007

**Ravinia Festival Food Service Building**, 43,000 square foot, two-story facility accommodating food preparation, dining areas, and banquet facilities, Highland Park, Illinois 2007

**Takeda Pharmaceuticals**, two six-story office buildings, a multi-level parking structure and a remote package delivery center, Deerfield, Illinois 2006

**2111 West Roosevelt Road**, 10-story office structure, concrete filled steel tube columns provide blast resistance and structural redundancy, Chicago, Illinois 2006

**Left Bank Residential Project**, 37-story, 560,000 square foot, reinforced concrete framed tower, with additional foundation design services provided for an adjacent six-story precast concrete garage, Chicago, Illinois 2006

**Chicago Office Project**, structural concept for a 48-story office tower, Chicago, Illinois

**Lear Headquarters**, 100,000 square foot office building, Southfield, Michigan 2005

**One South Dearborn**, LEED Silver certified 40-story office building with above ground parking in lower levels, Chicago, Illinois 2005

**Corso Tower**, design competition for retail, cinema, hotel, and residential tower, Rotterdam, The Netherlands

**Regenstein Center for African Apes**, new facility for Lincoln Park Zoo's African Apes, including a waffle slab roof system, exposed concrete, and open steel trellis for the exterior habitat, Chicago, Illinois 2004

**Hyatt Center**, 48-story, 1.75 million square foot office building, Chicago, Illinois 2004

**3250 Lacey Road**, seven-story office building, braced steel core with composite floor framing, Downers Grove, Illinois 2003

**The Pinnacle**, a 657,000 square foot residential tower, seven-story podium for parking and 42 residential floors above, lateral and gravity system of reinforced concrete, Chicago, Illinois 2003

**60 West Erie Street**, 26-story residential tower with parking, Chicago, Illinois 2002

**Koyang International Exhibition Center**, design competition winner, Koyang, Korea 2002

**Regenstein African Journey**, complete rehabilitation of the Lincoln Park Zoo's Large Mammal House, requiring reconfiguration of existing pools, tanks and holding cells and converting 25% of the existing concrete roof into skylights, Chicago, Illinois 2001

**175 West Jackson**, renovation of former three-story concrete atrium into an elegant glass and exposed structural steel roof, Chicago, Illinois 2000

**Residences at Riverbend**, 37-story residential building along the Chicago River, Chicago, Illinois 2000

**District 230 Consolidated High Schools**, renovation and expansion program of Andrew, Sandburg and Stagg High Schools, Orland Hills, Orland Park and Palos Hills, Illinois 2000

**Andersen Hall, Northwestern University**, five-story addition to existing structure, composite floor framing, diagonal bracing and moment connected frames were used to channel loads to the existing structure, Chicago, Illinois 1999

**Wieboldt Hall, Northwestern University**, expansion and renovation including new four-story structure above existing building, Chicago, Illinois 1998

**LG Kangnam Building**, 40-story office tower with eight levels below grade incorporating retail, parking and performance facilities, design development, Seoul, Korea 1998

**Hong Kong Convention Center**, expansion of the existing center with a roof area of six acres, and a 100 meter span bridge to the existing center, construction, Hong Kong, Hong Kong 1996

**Lisbon Arena**, 15,000-seat indoor arena with glulam wood roof spanning 115 meter x 180 meter, tender documents, Lisbon, Portugal 1996

**Sun Life Headquarters**, 500,000 square foot building under a design-build tender incorporating a fabric roof over common areas, Bristol, United Kingdom 1995

**Commerzbank**, alternative structural concept developed for structural steel fabricator's alternate bid, reducing steel quantities and simplifying details, Frankfurt, Germany 1994

**Manchester Tower**, 55-story mixed use tower, Manchester, England 1992

**St. Luke's Roosevelt Hospital**, new hospital facility at two locations totaling 1,700,000 sf., requiring integration with existing facilities, New York, New York 1991

**Columbus Center**, mixed-use development, 2,600,000 square feet, New York, New York 1991

**One Broadway Place**, 39-story, 970,000 square foot mixed-use development incorporating office, retail and parking on Times Square, New York, New York 1990

**San Benigno Torre**, 24-story office building, Genoa, Italy 1990

**255 Fifth**, 31-story office building, 600,000 square feet, Cincinnati, Ohio 1990

**Rittenhouse Square Tower**, peer review of existing 33-story building leading to extensive structural strengthening, Philadelphia, Pennsylvania 1988

**Milwaukee Theatre District**, 35-story office building and Galleria, Milwaukee, Wisconsin 1987

**Renaissance Tower**, renovation and structural modifications to 56-story office building, Dallas, Texas 1987

**Sun Bank Center**, renovation of existing bank headquarters with addition of a 25-story post-tensioned concrete structure and parking, 1,430,000 square feet, Orlando, Florida 1987

**Global Marine Building**, 18-story office tower, 380,000 square foot, construction, Houston, Texas 1986

**Southeast Financial Center**, a 53-story office building and a 15-story annex building utilizing composite construction, Miami, Florida 1985

**Texas Commerce Tower**, 55-story office tower with six levels below grade of reinforced concrete, Dallas, Texas 1985

**Texas Commerce Bank**, 20-story office building, 390,000 square feet, Las Colinas, Texas 1985

**Interfirst Plaza**, 28-story office building, 560,000 square feet, San Antonio, Texas 1984

**San Felipe Plaza**, 45-story composite structure with 60 foot floor spans totaling 1,800,000 square feet, Houston, Texas 1984

**Seiscom Delta**, 17-story office tower with parking facilities, 680,000 square feet, Houston, Texas 1984

**Allied Bank Plaza**, 71-story steel bundled tube structure with four levels below grade with a total area of 1,800,000 square feet, Houston, Texas 1983

**Trammell Crow Center**, 50-story office building, pavilion and six levels of parking below grade, with an area of 1,800,000 square feet constructed of structural steel, Dallas, Texas 1983

**One State Street**, 24-story office building, 500,000 square feet, Hartford, Connecticut 1983

**Three First National Plaza**, 57-story office tower of composite construction with a total area of 1,600,000 square feet, Chicago, Illinois 1982

**Guest Quarters West Hotel**, 36-story, 350-suite hotel constructed of reinforced concrete, 500,000 square feet, Houston, Texas 1981

**Amoco Center**, 28 story tower, five story low-rise building, Houston, Texas 1981

**Pillsbury Center**, two office buildings of 25 and 40 stories with total area of 1,600,000 square feet, Minneapolis, Minnesota 1979