

ABOUT MR. MACDONALD, FAIA

Donald MacDonald is principal of Donald MacDonald Architects. Mr. MacDonald has over 35 years of bridge architecture experience. He is a specialist in bridge design with extensive experience in multidisciplinary projects involving conceptual planning, architectural enhancements, public participation, landscaping, and environmental studies. Mr. MacDonald trained under eminent professors of structural engineering including Mario Savadori (Professor at Columbia University and Partner of Weidlinger Associates Inc. and Mendel Glickman (Frank Lloyd Wright's Senior Engineer). This early interest in engineering has continued in his present day architectural practice via the constant collaboration necessary between engineer and architect. Such cooperation has proven vital in developing sensitive design solutions for new bridge structures.

MacDonald Architects is at the forefront of bridge design, having achieved national and international record breaking status on the following bridge aesthetic types: long span bridges including cable-stayed, self-anchoring suspension and suspension; concrete bridges including arch bridges, haunched box girders, box girders, concrete beams and other minor steel and concrete bridge types throughout the United States. He has been the recipient for over fifty awards for design excellence of regional, national and international accolade. Well-versed in government procedures, public review process and public consultation requirements, MacDonald specializes in project implementation from basic research to construction document coordination.

MacDonald lectures on architectural design worldwide and is the author of numerous articles on aesthetics and design, as well as the book, *Democratic Architecture*. Chronicle Books has just published his latest book, *The Golden Gate Bridge: History and Design of an Icon*.

DESIGN PHILOSOPHY

Our work is generated from each project's unique context- paying careful consideration to all manmade and natural elements. We design state-of-the-art bridges, which specifically address the needs of the community, therefore, creating signature structures with landmark status capable of representing the region and endure for 100 years. MacDonald Architects not only work to bring the community into the design process, but our work philosophy endeavors to bring value to the aesthetic by redesigning the existing structures to comply with the client's budget. For example, using the design-build delivery method enabled MacDonald Architects and team to save the South Carolina Department of Transportation \$150 million in costs and time, and enabled the project to open a year ahead of schedule.

EDUCATION

- Master of Science in Architecture - Columbia University
- Recipient of the Wade Memorial Traveling Fellowship – Columbia University
- Member of Tau Beta Phi, Honorary Engineering Society – University of Oklahoma



San Francisco-Oakland Bay Bridge, East Span



Cooper River Bridge, Charleston, South Carolina



Golden Gate Bridge, San Francisco, CA



6th Street Viaduct Bridge, Los Angeles, CA



**I-35 Replacement Bridge Competition,
Minneapolis, MN**



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TEACHER & LECTURER: (PARTIAL LIST)

Mr. MacDonald has traveled internationally and nationally to deliver lectures and seminars on his design philosophy to over 30 colleges, and Universities.

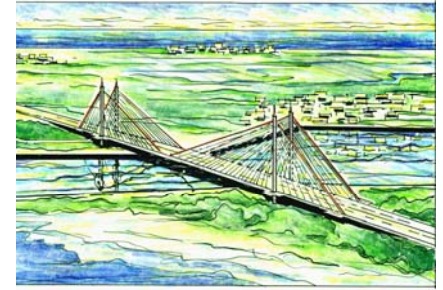
He also served as an Assistant Professor for the University of California, Berkeley for two years. Mr. MacDonald is also the former holder of the Bruce Goff Chair at the University of Oklahoma.

A partial list of lectures:

- American Institute of Architects San Francisco National Convention, "Redesigning the Bay Bridge" (Educational Boat Tour), (2009)
- SPUR, Lecture on Golden Gate Bridge, (2009)
- University of Hawaii, Honolulu, HI, "Architecture and Movement" (2008)
- Notre Dame University, "Progressive Urban Infrastructure: Bridges, Housing and Design," (2006)
- San Francisco Institute of Architecture, "Pedestrian and Bike Facilities on Bridges," (2006)
- American Institute of Architects, Alaska Convention, (Keynote Speaker) "Affordable In-Fill Housing, (2006)
- American Institute of Architects, Santa Clara Valley Chapter, "Philosophy and Design of the New East Span of the Bay Bridge," (2006)
- Acalanes High School, class lecture, "Designing a Bridge" (2005)
- University of California, Berkeley, "Bridge Symposium", Main Speaker, (2005)
- American Institute of Architects Santa Rosa Chapter, "Designing the New East Spans of the San Francisco Bay Bridge," (2005)
- Los Angeles Construction Specifications Institute Conference, "Designing the New East Spans of the San Francisco Bay Bridge," (2005)
- University Club of San Francisco, "Designing the New East Spans of the San Francisco Bay Bridge," (2004)
- United States Consulate of Vancouver, B.C., CAN, "Designing the Seismic Retrofitting the Landmark: Golden Gate Bridge," (2003)
- University of Hawaii, Honolulu, HI, "Architecture as a Heroic Effort: City Sleepers to the San Francisco/Oakland Bay Bridge." (2002)
- University of California- Berkeley, Berkeley, CA, University of California Transportation Center, "The Art of Designing Bridges and Freeways." (2002)
- International Conference on Making Cities Livable Conference, (2000, 2001, 2002, 2003)
- University of Southern California, School of Architecture, class lecture, "The Planning of Alcatraz." (2002)
- Harvard University, Cambridge, MA, "State of the Nation's Housing." (2001)
- San Francisco Museum of Modern Art, San Francisco, CA, "Design Moves." (1999)
- American Institute of Architects: Environmental and Economic Balance, National Conference: The 21st Century Outlook, Miami, FL, "Creating, Integrating, and Connecting." (1997)

FIRM'S AWARDS (PARTIAL LIST)

- Award of Excellence, California Transportation Foundation, City of Napa, "Project of the Year" and "Highway Conventional Project of the Year, *Maxwell Replacement Bridge* (2007)
- Award of Excellence, CELSOC, Engineering Excellence Merit Award, 9th St. Bridge in Modesto, CA (2006)



Indian River Bridge, Dover, DE



I-80 Bicycle/Pedestrian Overpass, Berkeley, CA



Maxwell Replacement Bridge, Napa, CA



Carquinez Bridge, Carquinez, Vallejo, & Crockett, CA



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FIRM'S AWARDS (CONTINUED)

- Award of Excellence, Associated General Contractors of American, "Palmetto Award for Engineering Excellence" *Ravenel Bridge over the Cooper River* (2006)
- Award of Merit, American Society of Civil Engineers, "AON Build America Award," *Ravenel Bridge over the Cooper River* (2006)
- Award of Excellence, ASCE, Sacramento Section, Structural Engineering Project of the Year, 9th St. Bridge in Modesto, CA (2005)
- Award of Merit, McGraw-Hill Southeast Construction Magazine, "Best of 2005 Award in the Transportation," *Ravenel Bridge over the Cooper River* (2005)
- Award of Excellence, American Road and Transportation Builders Association, "PRIDE Award" for Community Relations, *Ravenel Bridge over the Cooper River* (2005)
- Award of Excellence, National Council of Structural Engineers Association, *Ravenel Bridge over the Cooper River* (2005)
- Award of Excellence, American Council of Engineering Companies of South Carolina, *Ravenel Bridge over the Cooper River*, (2005)
- National Globe Award (Environmental), American Road and Transportation Builders Association, *Ravenel Bridge over the Cooper River*, (2005)
- Award of Merit, National Steel Bridge Alliance, *Ravenel Bridge over the Cooper River* (2005)
- Award of Merit, Art Deco Society, *Golden Gate Bridge Safety Rail* (2004)
- Award of Merit, National Steel Bridge Alliance, *I-80 Overpass, Berkeley, CA* (2003)
- Award of Merit, Napa County Landmarks, *3rd Street Bridge, Napa, CA* (2003)
- Excellence in Transportation Award, Caltrans, *3rd Street Bridge, Napa, CA* (2003)
- Award of Merit, CELSOC, 3rd Street Bridge, Napa, CA (2003)
- Award of Merit, California Contractors Association, *Urban In-Fill* (2000)
- Award of Excellence, American Concrete Institute, International Concrete Bridge, *Diestelhorst Bridge, Redding, CA* (1998)
- Construction Award, Northern California and Western Nevada Concrete Bridge, *Diestelhorst Bridge, Redding, CA* (1998)
- Federal Design Achievement Award, Presidential Design Program, *Urban In-Fill* (2001)

BOOKS (PARTIAL LIST)

- *City by Design*, contributor, Panache Partners Press, Dallas, TX (2009)
- *The Golden Gate Bridge: A History and Design of an Icon*, Donald MacDonald, Chronicle Books, San Francisco, CA (2008)
- *Heart of the Rock: The Indian Invasion of Alcatraz*, contributor, Adam Fortunate Eagle, University of Oklahoma Press, p. 192. (2002)
- *The Grow Home*, contributor, Avi Friedman, McGill-Queens Press, p. 16-17. (2001)
- *Visionary Architecture*, Unbuilt Works of the Imagination, contributor, Ernest Burden, McGraw Hill, p. 139. (1999)
- *Starter Häuser*, contributor, Anja Seehrich-Caldwell, Karl Krämer Verlag, (1998)
- *Village in the City*, Making Cities Livable, Wege zur menschlichen Stadt, contributor, Lennard, Suzanne H. Crowhurst; von Ungern-Sternberg Sven; Lennard, Henry L., Eds, Gondolier Press, Carmel, CA, p. 140-142. (1997)
- *Democratic Architecture*, Donald MacDonald, *The Whitney Library of Design*, New York, New York. (1996)
- *Good Neighbors: Affordable Family Housing*, contributor, Tom Jones, William Pettus, Michael Pyatok. (1996)
- *Creating Environments for Young Children*, contributor, Dr. Henry Sanoff, p. 73. (1995)



First Street Bridge, Napa, CA



Third Street Bridge, Napa, CA



La Loma Foothill Bridge, Berkeley, CA



Folsom Dam Bridge, Folsom, CA



Diestelhorst Bridge, Redding, CA



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NEWSPAPER ARTICLES

- "Gumps Auctions Lamp Shades for Scholarship," Laura Thomas, San Francisco Chronicle, September 10, 2008
- "Instant Icon: San Francisco Bay Bridge," Michael Cabanatuan, *San Francisco Chronicle*, September 23, 2008
- "Economic Ills Could Boost Dems," Willie Brown, *San Francisco Chronicle*, September 21, 2008
- "Holiday Books: Architecture," John King, *San Francisco Chronicle*, January, 1, 2009
- "Bridging the Gap Along Los Angeles," Jesus Sanchez, EastsiderLA.com, January 26, 2009
- "Building a Bridge," Anna Scott, LA Downtown News, March 3, 2009
- "Architects Proclaim New Span a Landmark," Michael Cabanatuan, *San Francisco Chronicle*, May 1, 2009
- "Bridge over Troubled Waters: the new SF Oakland Bay Bridge," George Calys, *San Francisco Examiner*, May 13, 2009
- "Q&A with Donald MacDonald, architect," Steven Leckart, Boing Boing, May 26, 2009



Dubai Marina Bridge Competition, Dubai, UAE



Cypress River Bridge, Sacramento River, CA

SIGNIFICANT PROJECTS

- Cooper River Bridge, Charleston, SC(Design/Build)
- San Francisco-Oakland Bay Bridge East Span, San Francisco, CA
- Indian River Bridge, Dover, DE
- Carquinez Bridge, Carquinez, Vallejo, & Crockett, CA
- Golden Gate Bridge, San Francisco, CA
- Maxwell Bridge, Napa, CA
- Folsom Dam Bridge, Folsom, CA



Anacostia Pedestrian Bridge Competition, Washington, D.C

CURRENT PROJECTS

- Golden Gate Bridge, San Francisco, CA
- San Francisco Oakland Bay Bridge, San Francisco, CA
- Sixth Street Replacement Bridge, Los Angeles, CA (*may go Design/Build*)
- Alexander / Bon Air / Doherty Bridges, Larkspur, CA (*may go Design/Build*)
- Riverside Bridge, Riverside, CA



Mid-Hudson Long Span Suspension Bridge, Poughkeepsie, New York

REGISTRATIONS & AFFILIATIONS

- Registered Architect in California, Colorado, Nevada, New Mexico, and South Carolina
- NCARB Certified

▪ **Fellow in the American Institute of Architects**

** Awarded under the design category*

- Member of the Building Industry of America
- Member of the Construction Specification Institute
- Member of the Columbia Architectural Alumni League
- SPUR (San Francisco Redevelopment Agency)
- Member of the National Counsel of Architectural Registration Board
- Served on the Board of Making Cities Livable (3 years)
- Served on the Board of Habitat for Humanity (8 years)
- Currently on the board for the Zen Center of San Francisco
- Served on the Board of the Zen Hospice Center of San Francisco



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