

John Kosmatka - professor of composite and aerospace structures, holds the Callaway Golf Chair in Structural Mechanics at UCSD. His research focuses composite materials in aircraft, military, and sports structures. Most recently, he designed an unmanned atmospheric research aircraft (UAV) for the National Science Foundation, developed health monitoring systems for UAVs sponsored by Los Alamos National Laboratory, and conducted aircraft vibration and aero elastic studies for Northrop Grumman and General Atomics Aeronautical Systems. His work on composite fan blades for NASA recently resulted in a turbine blade design for improved safety, performance and noise reduction. Kosmatka has also developed a composite army bridge for DARPA and the U.S. Army, and composite in-field bridge manufacturing systems for the Office of Naval Research. His work on sports structures includes design of high performance golf clubs and America's Cup sailboats. Kosmatka has authored more than 100 papers on composite structures, holds 24 U.S. patents, and is a technical reviewer for several companies and government laboratories. He is a NASA/ASEE Fellow and an Associate Fellow of the AIAA. Kosmatka earned a B.S. in Mechanical Engineering from the University of Wisconsin, an M.S. in Mechanical Engineering from the University of Michigan and a Ph.D. in Aerospace Engineering from UCLA.



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