



Berkeley Engineering And Research, Inc. 808 Gilman Street, Berkeley, CA 94710 Tel 510-549-3300, Ext. 1

## **GLEN STEVICK, Ph.D., P.E. , Curriculum Vitae**

**Mechanical Engineer, Principal**

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### **Bio/Summary**

Dr. Stevick has over 25 years of experience in failure analysis and design of structures, consumer products, industrial equipment and medical devices, specifically mechanical-electrical systems; aortic, hip and knee implants; medical cauterizing forceps; turbines and reciprocating engines; automotive and aircraft components; offshore platforms and drilling equipment including pressure vessels/piping/containers, blowout and breakaway devices, heat exchangers and combustion analysis. Engineering projects have involved testing and mathematical analysis of hydraulic systems, fire causation and spread, explosion causation and prevention, structural dynamics, electronic control systems, material behavior, heat transfer and structure/fluid interaction.

### **Select Industry Experience**

Oil & Gas Industry	Offshore Oil Platforms	Construction
Ultra-Deepwater Well Control, Offshore Drilling	Blowout and Breakaway Devices	Structural Dynamics
Earthquake Engineering	Plastics / Metals /Ceramics	Heat Exchangers
Automobile / Truck / Motorcycle	Combustible Fluid Containers; Explosions;	Piping, Pipelines & Pressure Vessels
Medical Implants	Fire Propagation & Suppression	Bridge Dampening Calculations
Medical Devices	Concussion/Whiplash	Maritime
Transportation	Aviation	Ships / Sailboats
Heavy Equipment	Roofs	Large Structures
Manufacturing	Elevators	Consumer Products

### **Education**

Ph.D. in Mechanical Engineering from U.C. Berkeley

M.S. in Mechanical Engineering from U.C. Berkeley

B.S. in Mechanical Engineering from Michigan Technological University

### **Professional Affiliations**

Registered Mechanical Engineer, State of California, Nevada, Utah, Louisiana

American Society of Mechanical Engineers

Society of Forensic Engineer and Scientists

Vibrations Institute

Member of ASTM Committee F15.1