US SEISMIC SYSTEMS INC

Jim Andersen, President and CEO, US Seismic Systems Inc. – Jim began his career as an Engineering Officer on US Navy Nuclear Submarines, and upon leaving the Navy went on to hold a variety of technical and senior management positions in high technology companies, including Westinghouse, Whitehall/Hydroscience, Litton Industries and Northrop Grumman. He was the Business Unit Director for Litton's Fiber Optic Acoustic Systems, heading the company's fastest growing business unit from 1995 to 2002. At Litton, he landed the first major (and still the largest) production contract for fiber optic sensors, a sonar system on the US Navy's newest Virginia class nuclear submarines, valued at over $450M. Prior to that, Mr. Andersen held technical and executive positions in companies that developed systems for oil exploration and ocean applications. Mr. Andersen is a past member of the Board of Directors of the Electro-Optics Alliance, a collaborative group of over 300 US Electro-Optics companies formed to maintain US leadership in Electro-Optics. He holds a Bachelor of Science in Mechanical Engineering from the United States Naval Academy and seven US patents in sensing systems and optics. He has authored or co-authored numerous articles in leading oil industry magazines including the Oil & Gas Journal, Hart's Exploration and Production, The American Oil and Gas Reporter, and The Leading Edge.

Title of Talk:
Are Oilfield Fiber Optic Seismic Sensors Finally Here?

Abstract:
For over a decade it has seemed that a viable fiber optic seismic system was just around the corner. The advantages of such a system i.e., no in-situ electronics, improved reliability, lower cost, higher sensitivity, wider bandwidth, inherently safe, etc. have also been heralded for years in leading Oilfield journals and Technical papers. Yet, to date, there really has been no large scale oilfield project or application utilizing fiber optic seismic sensors that has caused the industry to even begin shifting away from the traditional electronic-based systems. This talk will describe how a new implementation approach has enabled the introduction of a new breed of fiber optic seismic sensors that is finally causing oilfield clients to sit up and take notice.