

## **THE ART OF PRACTICAL AND PRECISE STRAIN BASED MEASUREMENT:**

*A 3-Day Comprehensive, Interactive Seminar*

Enfield, CT  
August 2 - 4, 1994

This three-day comprehensive seminar will present a new and fresh perspective of practical and precise strain based measurement. All seminar material presented is supported with actual case studies of applications - successes and disasters.

Seminar attenders will learn how: strain gage based sensors function - both statistically and dynamically; to identify the conditions under which your pressure transducers may also become accelerometers, temperature sensors, radiometers, surface strain gages, or antennas; to prepare the sensor selection process by properly utilizing a) the statement of objectives in data quality, b) the statement of physical constraints, and c) the environment analysis and assessment; to regard drift - its cause and effect; to minimize error contributions due to drift; to apply thermal zero and thermal sensitivity compensation; to prepare a sensor specification so that you get what your program needs; and to interpret data outputs.

The seminar, which is presented by James G. Pierson, President of Pierson Associates, Inc., will feature interactive workgroup sessions where common problems are presented and the results analyzed. All attenders will receive a copy of Mr. Pierson's book, entitled *The Art of Practical and Precise Strain Based Measurement*.



## **SEM PRESIDENT GARY L. CLOUD HONORED WITH MSU DISTINGUISHED FACULTY AWARD**

The Michigan State University (MSU) Distinguished Faculty Award is for a comprehensive and sustained record of scholarly excellence in research and/or creative activities, instruction and public service.

The Award is supported by the MSU Development Fund. The winners were selected by an All University Awards Committee appointed by MSU President Peter McPherson.

At a convocation held on February 15, 1994, in which ten MSU educators were honored, the following citation was presented to the audience:

"Professor Gary Cloud's research has contributed to diverse fields that range from the detection of glaucoma to the measurement of strain fields in glaciers. His pioneering research in high-temperature optical moiré techniques has created an important tool for engineers who design and develop engines and aircraft and his work in three-dimensional strain measurement techniques has led to advances in fracture mechanics and fastener design.

A gifted instructor and recent winner of the Withrow Excellence in Teaching Award, Professor Cloud has established an enviable reputation as a master teacher. He is dedicated to effective undergraduate instruction, in which he uses humor to blend lucid explanations with illustrations from his consulting practice. He has also written a long-needed graduate-level text on optical methods of measurement.

Dr. Cloud has participated extensively in public outreach and service to Michigan State University as exemplified by his leadership in professional societies, his significant consulting, his work in educational enhancement, and his service on numerous university and college committees.

His innovative research, enthusiastic mentoring of student research, and award-winning classroom teaching make Gary L. Cloud a worthy recipient of the Distinguished Faculty Award at Michigan State University."

## **SPIE NEWS**

The International Society for Optical Engineering (SPIE) has an extensive calendar of conferences and symposiums which SEM members are able to attend at SPIE member rates. One such event is the 1994 International Symposium on Optics, Imaging and Instrumentation, July 24 - 29, San Diego Convention Center and Marriott Hotel and Marina, San Diego, California.

For information on SPIE events, contact their main office: SPIE, P.O. Box 10, Bellingham, WA 98227-0010 (USA); (206) 676-3290; Fax (206) 647-1445; Telex 46-7053; Internet [spie@mom.spie.org](mailto:spie@mom.spie.org).