

# *Instructor Resumé*

**Kirk A. Fields**  
Consultant and Lecturer in  
Mechanical Testing to  
**Technology Training, Inc.**

## **EXPERIENCE**

1989—present

### **UCSB / MECHANICAL ENGINEERING DEPARTMENT**

Supervisor and manager of the Mechanical Testing Lab, providing fixture and system design support to PhD and post-doctoral researchers. The Mechanical Test Lab services the entire College of Engineering with facilities to perform material and component testing and research. Research thrusts include high performance composites (ceramic, metal, polymer), nuclear pressure vessel irradiation damage, micromechanical fracture analysis.

Lecturer in engineering experimentation and design for junior and senior design sequence.

Advisor for junior and senior design projects

1992—present

### **ENGINEERING CONSULTANT**

Providing consulting services in sensor and fixture design, as well as product reliability experimentation (automotive structure testing).

1986—1989

### **KAHR BEARING CO. / DOVER INDUSTRIES**

Supervisor and manager of the mechanical and chemical testing laboratories. Duties included test procedure development, quality control documents and procedures, test fixture design as well as new product development.

1984—1986

### **PARKER HANNIFIN CORPORATION / R & D GROUP**

Test engineer performing mechanical and chemical design and evaluation of aerospace sealing components, including test apparatus and procedures.

## **EDUCATION**

Bachelor of Science Degree in Mechanical Engineering, University of Utah, 1984

Master of Science Degree in Mechanical Engineering, UCSB, in progress

## **TECHNICAL SOCIETIES**

Registered Professional Engineer in California

American Society of Mechanical Engineers

American Institute for Aeronautics and Astronautics

