

PETER R. THOM AND ASSOCIATES INC.
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JEFFERY C. GIBELING, Ph.D., ASSOCIATE

EXPERIENCE

- Peter R. Thom and Associates Inc., Materials and Metallurgy, 1999 – Present.
- Stanford University. Research Associate and Senior Research Associate 1979-1983. Acting Assistant Professor 1983-1984.
- University of California, Davis. Assistant Professor 1984-1988. Associate Professor 1988–1995. Executive Associate Dean – Graduate Studies 1996-1998. Professor 1995-Present.

EDUCATION

- Stanford University, Bachelor of Science with Academic Distinction in Mechanical Engineering, June 1974.
- Stanford University, Ph.D. in Materials Science and Engineering, June 1979. Thesis title: “Use of Stress Change Experiments to Study the Mechanisms of Elevated Temperature Deformation”.
- IBM Pre-doctoral Fellowship, 1975-1976.

ACTIVITIES

- Member ASM, TMS-AIME, Sigma Xi, Phi Beta Kappa and Tau Beta Pi.
- Reviewer for National Science Foundation, Aeta Metallurgica et Materialia, Scripta Metallurgica et Materialia, Materials Science and Engineering, Journal of Plasticity, Journal of Engineering Materials Technology and Metallurgical and Materials Transactions.
- Member, Mechanical Testing Committee of ASM International.
- Consultant, Sandia National Laboratories, Lockheed Palo Alto Research Laboratory and BASF Narmeo Materials.

RESEARCH INTERESTS

- Deformation, fatigue crack growth and cyclic deformation of metals, alloys, intermetallic compounds and cortical bone.
- Primary research focus in the areas of time-dependent flow and fracture of metals, cyclic plasticity and the role of internal stresses in creep deformation.
- Developed technique of “mechanical spectroscopy” in which mechanical measurements are used to probe the internal state of a deforming material.

Jeffery C. Gibeling, Ph.D.