



CARL J. ALTSTETTER, Sc.D.

Sc.D. IN METALLURGY

CURRENT EMPLOYMENT

Ruhl Forensic, Inc., since 1992

Consultant in physical metallurgy, corrosion, mechanical metallurgy, kinetics, thermodynamics, structure of metals, alloy design

University of Illinois, Urbana-Champaign, IL, since 1958

Professor Emeritus Materials Science and Engineering Dept.	2002-Present
Professor Materials Science and Engineering Dept.	1969-2002
Assistant Dean of Engineering Director of International Programs	1996-2002
Associate Dean for Academic Affairs College of Engineering	1990-1993
Chair, Metals Division Materials Science and Engineering Dept.	1989-1990
Acting Head Materials Science and Engineering	Fall, 1988
Acting Head Department of Metallurgy	1974-1975
Associate Professor Materials Science and Engineering Dept.	1963-1969
Assistant Professor Materials Science and Engineering Dept.	1958-1963

EDUCATION

Sc.D. 1958 Major Field	Massachusetts Institute of Technology Metallurgy
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CARL J. ALTSTETTER

M.S. 1954 Major Field	Illinois Institute of Technology Metallurgy
Met.E. 1953	University of Cincinnati

TEACHING AND RESEARCH AREAS

Teaching: Physical metallurgy, corrosion, mechanical metallurgy, kinetics, thermodynamics, structure of metals, alloy design

Research: Hydrogen embrittlement, nanophase processing and properties, stress corrosion cracking, oxygen in metals, laser processing, phase transformation, fatigue

PROFESSIONAL ACTIVITIES

<u>Fulbright International Fellow</u> Tokyo, Japan	Fall, 2000
<u>Commonwealth Scientific and Industrial Research Organization</u> Melbourne Australia	Fall, 1993
<u>Aeronautical Research Laboratory</u> Melbourne, Australia	Fall, 1993
<u>National Tsing Hua University, Professor</u> Hsinchu, Taiwan	Winter, 1987
<u>National Institute for Materials Research</u> Pretoria, South Africa	Spring, 1985
<u>National Bureau of Standards</u> Washington, D.C.	Summer, 1983
<u>Max Planck Institut fur Plasmaphysik</u> Garching, Germany	Fall, 1977
<u>Max Planck Institut fur Metallforschung</u> Stuttgart, Germany	Fall, 1968
<u>University of California, Professor</u> Berkeley, CA	Fall, 1960
<u>Massachusetts Institute of Technology, Research Asst.</u> Cambridge, MA	1954-1958

ADDITIONAL PROFESSIONAL ACTIVITIES

Industrial consulting in research and manufacturing

Legal consulting in the areas of product liability and failure analysis
Authored over 125 research publications in scientific journals and conference proceedings
Lectured on research activities by invitation in the USA, Australia, Russia, South Africa, Korea, Taiwan, China, Japan, Germany, France, England, Yugoslavia, Poland, and Portugal
Obtained research funding from the National Science Foundation, the Department of Energy, U.S. Air Force and industry
Reviewed research proposals for various federal agencies
Reviewed technical papers for various international journals
Member of the Accreditation Team of the accreditation board for Engineering Education and Technology
Materials Science Board, National Technological University
Board of Editors: Corrosion, Materials Chemistry and Physics

PROFESSIONAL SOCIETIES

American Society for Metals International, fellow and life time member
Metallurgical Society of American Institute of Mining, Metallurgical and Petroleum Engineers
American Society for Engineering Education
Materials Research Society

HONORS AND AWARDS

Donald Burnett Teaching Award (1996)
Distinguished Visiting Professor, Tsing Hua University, Taiwan (1987)
Winchell Memorial Lectureship, Purdue University (1988)
University of Cincinnati Distinguished Engineering Alumnus (1978)
NATO Senior Scientist Fellowship (1977)
Undergraduate Teaching Fellowship (1974)
W.L. Everitt Undergraduate Teaching Excellence Award (1970)