

BIOGRAPHICAL SKETCH

SIMON OSTRACH

Wilbert J. Austin Distinguished Professor of Engineering

DEGREES:

University of Rhode Island	M.S. in Mechanical Engineering (Honors for four years), 1944
University of Rhode Island	M.E., 1949
Brown University	Sc.M. in Applied Math, 1949
Brown University	Ph.D. in Applied Math, 1950
Technion-Israel Institute of Technology	D.Sc. (Honoris Causa), 1986

MEMBER, NATIONAL ACADEMY OF ENGINEERING

REGISTERED PROFESSIONAL ENGINEER - State of Rhode Island

EXPERIENCE:

1944 - 1947	Aeronautical Research Scientist, NACA
1947 - 1950	Research Associate, Brown University
1950 - 1960	Chief, Fluid Physics Branch, NASA
1960 - 1970	Professor of Engineering and Head, Division of Fluid, Thermal and Aerospace Sciences, Case Institute of Technology (now Case Western Reserve University)
1970 -	Wilbert J. Austin Distinguished Professor of Engineering, Case Western Reserve University

SOCIETY AFFILIATIONS:

Fellow, American Society of Mechanical
Engineers

Fellow, American Institute of Aeronautics and
Astronautics

Society Affiliations (continued)

Fellow, American Academy of Mechanics

Member, Sigma Xi

Member, Society for Natural Philosophy

Member, American Association of University Professors

PRESENT PROFESSIONAL ACTIVITIES

National Academy of Engineering, Chair, Committee on Membership

Chairman, Florida State and Florida A&M Universities Institute of Engineering Advisory Board

Editorial Board, Heat Transfer-Soviet Research; Heat Transfer-Japanese Research

Editorial Advisory Board, Letters in Applied and Engineering Sciences
Advisory Board, Mechanics

Member, AIAA Liquid Propulsion Technical Committee

Member, NASA Space Applications Advisory Committee and Chairman,
Subcommittee on Microgravity Science Applications

Member, National Academy of Engineering, Membership Policy Committee

PREVIOUS PROFESSIONAL ACTIVITIES:

National Academy of Engineering, Chairman, Peer Committee on Mechanical Engineering and Member, Committee on Membership

Chairman: ASME Heat Transfer Division; AIAA Cleveland-Akron Section

Honorary Editorial Advisory Board, International Journal of Heat and Mass Transfer.

Editor-in-Chief, International Series of Monographs on Advanced and Interdisciplinary Topics in Science and Engineering

Previous Professional Activities (continued)

NASA Research and Advisory Subcommittee on Fluid Mechanics

AIAA Thermophysics Committee

Editorial Board, American Journal of Physiology: Journal of Applied Physiology

Policy Board, ASME Basic Engineering Department

ASME-AICHe Max Jakob Award Board

Board of Editors, International Journal of Biomedical Engineering

Associate Editor, Physics of Fluids

Convener, Universities Space Research Association Materials Processing in Space Science Council

Universities Space Research Association Fluid Physics Committee

Board of Visitors, College of Engineering, Duke University

ASME Task Force on Fundamental Research

Topic Editor, Physicochemical Hydrodynamics

National Research Council, Assembly of Engineering ad hoc Committee on Liquid Rocket Propulsion

Past President, American Academy of Mechanics

LISTED IN:

American Men of Science; Who's Who in World Aviation; Who's Who in Commerce and Industry; Who's Who in the Midwest; Who's Who in American Education; Who's Who in Space; Who's Who in America; The Blue Book; Engineers of Distinction; Dictionary of International Biography; Directory of Educational Specialists; Community Leaders of America; Lawyers Desk Reference; Men of Achievement; Who's Who in Engineering; Outstanding Educators of America; Who's Who in the United States; Who's Who in Aviation and Aerospace; Who's Who in Technology Today; Who's Who in Frontiers of Science and Technology.

HONORS AND AWARDS:

Conference Award for best paper presented at the Sixth National Heat Transfer Conference, Boston, Massachusetts, 1963

Pi Tau Sigma Richards Memorial Award as outstanding mechanical engineering graduate for the period 1939-1944.

Distinguished Visiting Professor, City College of the City University of New York, 1966-1968

Case Institute of Technology Chapter Sigma Xi Research Award, 1967

Best Technical Paper Award AIAA Cleveland-Akron Section, 1971

ASME Heat Transfer Memorial Award for contributions to the science of convection heat transfer, 1975

Sigma Xi National Lecturer, 1978-1979

Southwest Mechanics Lecturer, 1979

ASME Freeman Scholar, 1982

ASME-AICHE Max Jakob Memorial Award, 1983

Lady Davis Fellow and Visiting Professor, Technion - Israel Institute of Technology, 1983-1984

Cleveland Technical Societies Council Distinguished Service Award, 1987

Japan Society for the Promotion of Science Fellow, 1987

ASME Thurston Lecturer, 1987

CONSULTANT TO:

Thompson Ramo Wooldridge, Inc.; Goodyear Aerospace Corp.; Atomics International; Cornell Aeronautical Laboratories; Cosmodyne Corp.; Honeywell Research Center; Lucas Machine Division of the New Britain Machine Co.; Gilmore Industries; Chase Brass and Cooper Co.; American Industries; Cleveland Range Co.; General Electric Space Sciences Laboratory; Diamond Shamrock Corp.; The Glastic Co.; Owens/Corning Fiberglass; General Motors Research Laboratories; Sohio; Gould, Inc.; Ceramic Cooling Tower Co.; Garrett Corp., Life Systems Inc., AVCO Research Laboratory.

AUTHOR OF:

One hundred and eight (108) articles and papers in scientific and engineering journals and volumes.

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