

RESUME

Jerold M. Schultz
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Education:

B.S. M.S., University of California, Berkeley, 1957 1958 (Metallurgical Engineering)
Ph.D., Carnegie-Mellon, 1965 (Metallurgical Engineering)

Experience

1959-1961	Intermediate Engineer, Westinghouse Research Laboratories. Research on thermoelectric materials and on defects in metals.
1964-present	Faculty, University of Delaware. Teaching of courses in materials science, diffraction and polymer science.
1967 (summer)	Engineer, DuPont Experimental Station. Research on X-ray diffraction analyses of small areas in materials.
1968-69	Visiting Assistant Professor, Stanford University. Teaching of course in polymeric materials; compilation of book on polymeric materials.
1969 (summer)	Engineer, Lawrence Radiation Laboratory (Livermore). Research on polymeric materials.
1971 (summer)	Faculty Fellow, ASEE-NASA Design Program. Learning systems analysis, with application to housing systems.
1974-75	Visiting Professor, Institut für Physikalische Chemie, Universität Mainz. Research on crystallization of polyethylene and on defects in a polydiacetylene.
1977 (summer)	Alexander von Humboldt Senior U.S.
1978 (Jan., Feb.)	Scientist Awardee, Universität des Saarlandes. Transmission electron microscope research on polymer crystals (SN) _x and PTS
1979 (Jan.-June)	Visiting Scientist, Oak Ridge National Laboratory. Research on small-angle X-ray scattering and polymeric materials.
1982-83 (Academic Year)	Visiting Professor, Universität Mainz, Universität des Saarlandes, Ruhr-Universität Bochum. Research on polymeric materials.

1984-85 (Nov.-Feb.)	Visiting Scholar, University of Sofia. Research on thin films, using RHEED.
1985, 1991 (Summer)	Visiting Scientist, DuPont Experimental Station. Research on carbon fibers and on PEKK polymers.
1989-90 (Academic Year)	Visiting Scientist, National Chemical Laboratory (India). Research on polymer blends and on crystallization.
1996 (Aug.-Dec.)	Visiting Professor, University of California (Berkeley).
1997 (Jan.-Aug.)	Benjamin Meaker Visiting Professor, University of Bristol (UK), AFM studies of polymers.
1998 (Jan.-March)	Harold A. Morton Distinguished Visiting Professor, University of Akron. Series of lectures on polymer crystallization
2004-Present	Occasional guest researcher, Chinese Academy of Sciences

Professional Activities

Fellow, American Physical Society
Member, Polymer Processing Society
Associate Editor, *Macromolecules*

Awards

Senior U.S. Scientist Awardee, Alexander von Humboldt Stiftung, 1977, 1982
Kliment Ohridski Medal, People's Republic of Bulgaria, 1986
Fulbright Fellowship Awardee, 1989 (declined)

Books

Polymer Materials Science, Prentice-Hall, 1974.
Treatise on Materials Science, Vol. 10, *Properties of Solid Polymeric Materials* (editor and contributor), Academic Press, 1977.
Failure Analysis of Composite Materials (Delaware Composites Design Encyclopedia, Vol. 4) (with P. W. R. Beaumont and K. Friedrich), Technomic, Lancaster, PA, 1990.
Diffraction for Materials Scientists, Prentice-Hall, 1982.
Solid State Behavior of Linear Polyesters and Polyamides (editor, with S. Fakirov, and contributor), Prentice-Hall, 1990.
Polymer Crystallization, Oxford University Press, 2001

Articles

Over 200. See separate list.

Teaching

Master's theses:	29Ph.D. Dissertations:	27
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Other Activities

Newark Symphony Orchestra, flutist
St. Thomas Episcopal Church, whatever
Banjo-picking, reading, basketball