

PERSONAL RESUME OF CARLTON GRANT WILLSON

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Born: Vallejo, CA, USA

Family status: Married to Deborah M. Willson.
Son: William M. Willson
Son: Andrew E. Willson

Education: Ph.D. University of California, Berkeley, 1973, Organic Chemistry
M.S. California State University, San Diego, 1969, Organic Chemistry
B.S. University of California, Berkeley, 1962, Chemistry
Credential: University of Southern California, 1966
California Secondary Credential (life)
Credential: California Community College (life), 1972

Experience: *Teaching*
1988-89 - Max-Planck-Institut für Polymer Forschung and Universität Mainz, FRG
1974-78 - Asst. Prof. of Chemistry, Univ. of Calif., San Diego (1974-78)
1973-74 - Asst. Prof. of Chemistry, Calif. State Univ. at Long Beach (1973-74)
1972-73 - Lecturer in Chemistry, Univ. of Calif. at Berkeley (1973)
1964-67 - Fairfax Sr. HS, Los Angeles, CA, teaching Science and Mathematics, Coach of Swimming Team

Experience: *Industry*
1962-74 Aerojet-General Corp., Sacramento, CA (1962-64) Propellant Research
1978-79 IBM Research Division, Almaden Research Laboratory, San Jose, CA
1979-85 Manager of Lithographic Materials Research Department and IBM San Jose Research Laboratory, San Jose, CA
1988-93 IBM Fellow and Manager, Polymer Science & Technology, IBM Almaden Research Laboratory, San Jose, CA
August 1993 Department of Chemistry and Department of Chemical Engineering, The University of Texas at Austin,
to Present Austin, TX

Recent Awards and Honors:

1984: - Distinguished Lecturer Award, Soc. Polym. Science, Japan
1985 - Appointed IBM Fellow
1986 - A. K. Doolittle Award, PMSE Div. of ACS
1986 - Rauscher Memorial Lecturer, Rensselaer Polytechnic Institute
1988 - Alexander von Humboldt Senior Scientist Award, FRG
1989 - Bayer-Mobay Lecturer, Cornell University
1990 - Xerox Lecturer, McGill University, Canada
1991 - ACS Award in the Chemistry of Materials
1992 - ACS Carothers Award
1992 - Elected member National Academy of Engineering
1978-1993 - 6 IBM Innovation Awards, 8 IBM Patent Awards, 2 IBM Corporate Awards
1993 - Named Alumnus of the Year, San Diego State University
1994 - American Chemical Society Cooperative Research Award in Polymer Science
1995 - Aggarwal Lecturer in Polymer Science, Cornell University
1996 - Semiconductor Research Corporation Technical Excellence Award
1997 - Malcolm E. Pruitt Award, Council for Chemical Research
1998 - Innovation in Real Materials Award, IMC
1999 - National Academy of Sciences Award for Chemistry in Service to Society
1999 - Kosar Memorial of the Society of Imaging Science and Technology
1999 - Semiconductor Research Corporation Aristotle Award

Professional Activities:

Member of the National Academy of Engineering

Member: ACS, APS, Sigma Xi, SPIE, SPE, AAAS, AIChE

Co-author of more than 150 publications

Member at Large, PMSE Division of ACS

Semiconductor Industry Association Technical Working Group, Lithography

Technical Advisory Board, Ultratech Corp. Sunnyvale, CA

Technical Advisory Board, ETEC Corp. Hayward, CA