

## **GORDON L. NELSON**

College of Science and Liberal Arts  
Florida Institute of Technology  
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### **EDUCATION**

- University of Nevada, Reno - Bachelor of Science in Chemistry, 1965
- Yale University - Master of Science, 1967
- Doctor of Philosophy, 1970. Dissertation: "Solvolysis of Substituted Cyclobutyl Tosylates"
- William Carey College - Doctor of Science (Honorary), 1988

### **EXPERIENCE**

**September 1989- Present**      **Florida Institute of Technology, College of Science and the Liberal Arts  
Dean and Professor of Chemistry, 1989 -**

Dean of the College with some 74 faculty, 18 adjuncts, 27 staff, and 675 majors in the Departments of Biological Sciences, Chemistry, Humanities and Communication, Mathematical Sciences, Physics and Space Sciences, Science and Mathematics Education, Language Institute, and Military Science. \$5.9 million budget. \$3.0 million in external funding. 25 B.S., 15 M.S., 2 Ed.S., 2 Ed.D., and 8 Ph.D. programs.

**July 1983 - September 1989**      **The University of Southern Mississippi, Department of Polymer Science  
Professor and Chairman, 1985 - 1989  
Associate Professor and Chairman 1983-1985**

Chair of Department with 13 faculty, 7 staff, 120 undergraduate, and 45 graduate students, with a budget of \$806,624 and \$1.8 million in external funding. Coordinated \$19.4 million research building project.

**February 1982 - June 1983**      **Springborn Laboratories, Inc., Enfield, Connecticut  
Vice President, Materials Science & Technology**

Responsible for the \$1.3 million polymer development and analytical chemical programs. The department, with a staff of 21, provided contract research services to a variety of industrial and governmental clients.

**March 1979 - January 1982**      **General Electric Company, Pittsfield, Massachusetts  
Manager-Environmental Protection Operation,  
Plastics Business Operations**

Responsible for coordinating environmental control, regulatory relations, product safety and combustibility testing programs. The ten-person operation provided expert services for worldwide business components to mitigate the impact of regulations on product penetration and to maximize creative compliance opportunities related to the environment and product safety.

**March 1970 -           General Electric Company**  
**March 1979           Pittsfield, Massachusetts and Schenectady, New York**

### **HONORS AND AWARDS**

- American Chemical Society: Georgia Section - Charles Holmes Herty Medal, 1998
- American Chemical Society: Orlando Section - Nelson Award, 1996
- American Institute of Chemists: 58th Members and Fellows Lecture Award, 1989
- Mississippi Legislature: House Concurrent Resolution No. 164, March 1, 1987
- American Chemical Society: Division Professional Relations – Henry Hill Award, 1986

**PUBLICATIONS**   A total of 143 publications in various aspects of polymer chemistry and fire retardant materials, including environmental issues in their use.

**PATENTS**           Apparatus Used to Determine the Oxygen Index of Liquid and Non-moulded Solids. G. L. Nelson, and J. L. Webb, U.S. Patent 3,820,379. June 28, 1974.

### **MEMBERSHIPS**

Council of Scientific Society Presidents

- Chair (1992); Chair-Elect (1991); Past-Chair (1993)
- Secretary (1989-90)

American Chemical Society

- President 1988, President-Elect 1987, Past President 1989; National ACS Nominee for President (1985, 1986)
- Board of Directors (1977-85, 1987-89, 1992-94)
- Councilor *ex officio* (1977-85, 1987 to date)
- Councilor (1972-76); Board Executive Committee (1979, 1981-84, 1987-88)
- Committee on Public Affairs and Public Relations (1982-83 1987-89, 1992-94, Chairman 1982-83)
- Society Committee on Publications (1978-1981, Chairman 1979-81)
- Society Committee on Chemical Abstracts (1979-86, Chairman 1984-85)

Dr. Nelson is a member of many other scientific, engineering, and educational societies and associations.

### **INTERNATIONAL ACTIVITIES**

As a General Electric Co. employee, Dr. Nelson logged over 75,000 miles per year in support of worldwide business efforts in Europe, Southern Africa, Mexico, and Australia. As American Chemical Society President, Dr. Nelson made official visits to Sweden and Taiwan, holding discussions at leading universities and institutes and with technical societies. In 1992 Dr. Nelson spent a mini-sabbatical at Lund University in the Department of Fire Safety Engineering on a travel grant of the Bicentennial Swedish-American Exchange Fund. Seminars were presented at universities and agencies across Sweden. Dr. Nelson has visited 36 countries.

**SEE G. MAROSI'S RESUME FOR PROPOSED CUAP PROJECT SUMMARY**