

René E. Côté  
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### **Personal Data**

Married, 3 children, 1 step-son, 3 grandchildren

### **Education**

Providence College, Providence, RI  
B.S. Chemistry – 1958  
Williams College, Williamstown, MA  
M.S. Chemistry – 1964

### **Employment History**

**Spring 2004-Present: Texas Christian University**  
Fort Worth, TX

Position: *Lecturer of Engineering/Adjunct Professor*  
**ENGR/PHYS 30014 Materials Science Lab.** Introduction to the physical, chemical, mechanical, electrical, and optical properties of metals, semiconductors, ceramics, and polymers. Emphasis on the relationship between these properties and how performance is influenced by microstructure and processing. Atomic bonding. Crystal structure. Phase equilibrium. Deformation and fracture. Composite materials. Electronic, magnetic, dielectric and optical properties. Laboratory methods for characterizing materials emphasized.

**ENGR 10033 Engineering Design and Graphics Lab.** Introduction to the engineering design process. Manual and computer-aided design graphics. Student team projects. Manual and computer-aided engineering problem solving and presentation. Matlab Autodesk AutoCAD and Inventor.

**2008 – 2011: University of North Texas/Health Science Center**  
Fort Worth, TX

Position: *Adjunct Faculty*  
**Orthopaedic Surgery Department.** Provided engineering support and research assistance to residents doing research projects. Assisted with experimental design and data analysis. Implemented testing utilities.

**1997 – Present: Unicorn Consulting, Inc. dba Unicorn Designs**  
Aledo, TX

Position: President/Owner  
Responsible for design, digitizing, and producing embroidery and embroidered goods and providing screen-printed items of all kinds for corporate identification programs and fund raising efforts.

**1974-1997: E. I. DuPont deNemours & Co., Inc.**  
Niagara Falls, NY  
Wilmington, DE  
Research Triangle Park, NC  
Fort Worth, TX

Positions: Senior Industry Account Manager (January 1992 to December 1997)  
Electronic Materials Group  
Responsible for selling defogger materials to all U.S. customers. Also, responsible for sales of thick film materials in Texas and Arkansas.

Major Account Director – Motorola/TI (April 1987 to January 1992)  
Electronics Department  
Serve as the enabler/facilitator for Motorola and Texas Instruments to share material, process and product resources of DuPont to solve its electronic manufacturing and electronic packaging needs. Increased sales from ~\$6M to \$24M in 4 years

Manager, Sales and Marketing (1986 to April 1987)  
Electronic Technologies Division  
Responsible for setting up and training the sales force for all electronic packaging and for all of the support activities such as pricing, product marketing, and customer service. Hired and trained manufacturers reps.

Manager of Development (1985 to 1986)  
Electronic Technologies Division  
Responsible for material and process development of microelectronic packaging; and for technical interface with major customers.

Development Manager (1983-1985)  
Electronic Materials Division – DuPont Experimental Station  
Managed development of Low Temperature Co-fired Ceramic materials and processes.

Manager of Technical Service (1974 to 1983)  
Electronic Materials Division  
Provided worldwide technical support for thick film materials and processes.

**1971-1974: Integrated Circuits Incorporated**

Bellevue, WA

Position: Vice President of Sales & Marketing

Set up sales and marketing effort for this start-up company involved in custom thick film hybrid microcircuits and standard product power converters.

**1967-1971 Varadyne, Inc.**

Santa Monica, CA

Positions: Product Manager

Set up thick film microcircuit operation and held various manufacturing, engineering, sales & marketing positions.

Chief Engineer

Multilayer capacitors

Operations Manager

Monolithic integrated circuit start-up operation.

**1965-1967 Sperry Rand Corporation, Semiconductor Division**

Norwalk, CT

Positions: Chief Engineer

Responsible for design and processing of thick film microcircuits.

Production Manager

Thick film hybrid microcircuits

**1958-1965 Sprague Electric Company**

North Adams, MA

Worcester, MA

Positions: Engineering Supervisor

Tantalum electrolytic capacitors

Chief Process Engineer

Thick film resistor networks and hybrid circuits

### **Professional/Civic Organizations**

International Microelectronics and Packaging Society (IMAPS) Charter Member of ISHM, National President (1981). Executive Council (1980-1984). Several local chapter presidencies and chairmanships. President of IEPS 1989-1990. Director 1986-1990. President-elect of IEPS and initiated and led merger of ISHM and IEPS to form IMAPS in November 1996. Member of the Advisory Committee.

Rotary Club of Fort Worth

Chamber Music Society of Fort Worth, Director & Treasurer

Junior Achievement of Fort Worth, Director

### **Awards and Recognitions**

Daniel C. Hughes Memorial Award – ISHM

William D. Ashman Memorial Award - IMAPS

Fellow of the Society – 1992 ISHM (now IMAPS)

Corporate Marketing Achievement Award - DuPont

Bronze Leadership Award – Junior Achievement of the Chisholm Trail

Paul Harris Fellow – Rotary International

### **Publications**

35-40 technical papers, two chapters in books: *Handbook of Thick Film Technology*, McGraw Hill, publishers; *Uses of Ceramics in Electronics*, Marcel Dekker, publisher. Seminars given in U.S., Europe, Israel, Singapore, Malaysia, Taiwan and Japan.

*Interconnection Substrates – Ceramic*. Chapter in NEMI and IPC roadmaps.

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