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*The Caring Canuckian*

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## **TECHNICAL BIOGRAPHY**

### **Major Accomplishments**

- ✓ 10 year veteran of Allen Bradley (Rockwell Automation) as a technical specialist before entering entrepreneurship in 1986
- ✓ Manufacturing and automation process design projects successfully completed
- ✓ Established the District Training Office at Allen-Bradley in Toronto, Ontario where PLC-2, PLC-3 and PLC-5 courses were implemented. In excess of 1000 students were personally trained on Allen - Bradley products.
- ✓ Consulted for SoftPLC (Tele-Denken Resources), Flexis Control, Wonderware Corporation and IndX Software. Responsible for product development and direction for their PLC support software packages under DOS, OS/2, and Windows 9x/NT/2000/XP.
- ✓ North American Managing Director of PLCopen, the international association for standardized control system solutions (IEC-61131)
- ✓ Articles published in Control Engineering, Control, Industrial Computing, InTech, Automation Systems, Electrical Business, Allen-Bradley's Software Connection, AB Journal, Manufacturing Automation and quoted in many others
- ✓ Regular Columnist of 'Embedded Intelligence' for Control Design magazine (OEM based publication)
- ✓ Past columnist of 'First Impressions', a software review column for Manufacturing Automation and former member of the Editorial Advisory Board
- ✓ Principal reviewer for the 'Assessment of Software Languages for use in Nuclear Power Plant Safety Systems' for the NRC in Washington, DC. 1995 (Industrial Languages)
- ✓ Reviewer and presenter for ISA PLC and HMI/SCADA courses
- ✓ Chapter Author - Guide to the Automation Body of Knowledge ISA Publications - Control System Programming Languages
- ✓ Served as a subject matter expert (SME) in the development of the Advanced PLC PMMI Mechatronics Certificate test (PMMI)
- ✓ Organized and participated in various roundtables and seminars on Open Control Systems and Application Software since 1994
- ✓ Market research and white paper on Secure Remote Access Cyber Security for Route1, developer of MobiKEY

### **Education**

Ryerson Polytechnical Institute – Diploma in Electrical Engineering Technology (Controls Option)  
Extensive PLC and related courses such as Advanced PLC Programming and Communication Networks

### **Scholarships Received**

Ryerson Polytechnical University - "Best All Round Technologist" Presented by Litton Systems -1976

### **Professional Organizations**

***O.A.C.E.T.T.*** - Ontario Association of Certified Electrical Technicians and Technologists

***ISA*** - Instruments, Systems and Automation

***ICS*** - Industrial Computing Society – Charter Member

**Engineering/Software projects have been successfully completed** using all of the current Allen-Bradley PLC family of automation products and Rockwell Software RSLogix including applications such as High and Low pressure Aluminum Die Casting, PVC Co-Extrusion line, Material Handling with AGV, Oil and Gas Pipeline applications, Winding Machines, Underground Mining Diamond Drill, Brewery applications, Waste Water facilities, Gum and Material Handling.

**Various software products were involved** such as HMI development environments, including WonderWare's Intouch, FIX DMACS, iFIX, Winview, ViewPOINT, Controlview, RSView32, Factory Talk View, CiTect and Visual Basic. DDE/OLE/OPC and ActiveX controls for PLC communications have been implemented using various networks.

**Custom PLC Training Courses, associated concept (PID) and device (analog I/O) courses** have been developed and implemented for various clients

### **Partial Client List**

Canadian Tire Corporation, Molson Breweries, Labatt Breweries, Chevron/Texaco, General Motors, Rockwell International, Baxter Pharmaceuticals, Aventis Labs, TransCanada Pipelines, Township of Oro-Medonte