

# Cam Rawlinson ASCT

## ELECTRONICS, ELECTRICAL & INSTRUMENTATION TECHNOLOGIST

A registered ASTTBC Electronics Technologist specializing in technology as it pertains to environment, transportation & energy. As an accredited & published technologist, Cam excels at merging his technology aptitude with physical and mechanical skills to meet the technology needs of industry, science and community. Cam is friendly, responsible, hard working and has decades of experience as a hands on technologist, designer, builder, troubleshooter, teacher & supervisor.

### SKILLS & ASPIRATIONS

- Aspire to see electronics & technology as foundations in a safe, sustainable and growing world.
- Broad experience bringing Technology from concept to completion as a product or a system.
- Focus on value, quality & reliability including in harsh and remote environments or when mission critical
- Responsible for work whether it be at component level or in fully end to end situations.
- Appreciate all aspects of work, from engineering to 'hands on' to working in or leading teams.
- To be gainfully employed using skills and technology that are interesting and that make a contribution.

### EXPERIENCE

#### OWNER & PRINCIPAL TECHNOLOGIST 2004 - Ongoing

[Terraqueous Electronics & Services Ltd](#) Victoria BC

- Environmental Electronics, Electrics, Energy & Services focused at the environment.
- Contractor for 5 IOTWS Sea Level Sensing Sites for Indian Ocean & S. China Sea Tsunami Warning
- Invented & Commissioned Canada's 1st Mobile Grid Interconnected Renewable Energy Power Plant
- Designs & Services supporting custom and generic Motor Assisted Cycles & Light Electric Vehicles.

#### PRODUCTION AND TEST TECHNOLOGIST March 2013 – February 2014 Victoria BC Canada

[Latitude Technologies Corporation](#)

Latitude offers end to end satellite based tracking, communications, telemetry and advanced sensing technology to clients with a focus on small aircraft and helicopter owners & operators.

- Production , Repair and Testing of Skynode product Line and peripherals
- Purchasing of all goods for Manufacturing, Engineering & Resale as per Civil Aviation Requirements
- Inventory oversight, Receiving of goods, QA team member

#### LABOURER Aug 2010 – May 2011

[Rhino Temp Labour Services](#) (Central Middle School / Heatherbrae Construction) Victoria BC

- General Construction Site Labor adhering to WCB & Heatherbrae construction safety standards
- Excavation of holes using shovels, electric & air powered jack hammers
- Tailing & safety assistant to excavator operators & light heavy machinery
- Design, maintenance & upkeep of hoarding & other temporary site fixtures

#### REMOTE WEATHER NETWORK TECHNICIAN 1993-2004

[BC Ministry of Transportation](#), Victoria BC

- End to end responsibility for provincial Automated Roadside & Alpine Weather & Snow Sensing Stations.
- Maintained and evolved sensor suite & design standards, power subsystems, communications, test & calibration processes, station operating & test software. Documentation of design, support & data flow.
- Expanded program from 1 to 5 employees & from 35 to 180 Stations over 10 years.
- Technical supervision of crew. Procurement, Budgeting, Oversight of contractors and safety

#### SENIOR ELECTRONICS TECHNICIAN 1988-93

[University of Hawaii Sea Level Center](#), Honolulu Hawaii

- Upgraded & maintained Satellite reporting, Electronic Tide Stations throughout the Pacific.
- Designed, built & installed the first 6 auto tide gauges in the Indian Ocean reporting on [EUMETSAT](#)
- Supervision and training of technicians, collaboration with scientists, managers & observers.
- Procured equipment, shipped goods, maintained lab, shop and field test systems.

#### FREELANCE CONSULTANT & TECHNOLOGIST 1985-87 Vancouver, Pakistan, Hood River Oregon

- Clients included the Canadian International Development Agency, TRIUMF, The Neil Squire Foundation

#### CUSTOMER / SYSTEMS ENGINEER, 1978-1984

[Hewlett Packard Canada Ltd](#) Vancouver, BC

- Started in service supporting Computer Systems customer accounts in BC and Yukon.
- Promoted into sales as the PC & Peripherals Systems Engineer responsible for Western Canada
- Strong indoctrination into importance of support to customers and the product sales & support cycle.

# Cam Rawlinson AScT

## ELECTRONICS, ELECTRICAL & INSTRUMENTATION TECHNOLOGIST

### EDUCATION

INTERDISCIPLINARY STUDIES (Ongoing) University of Hawaii, Camosun College & BCIT

Courses include but are not limited to; Windows NT System Engineering, Statics for Mechanical Engineering (200 level), Chemistry 150A & 150B, Canadian Electrical Code (Rev 2005), Backcountry travel for Avalanche professionals (4 days March 1999), PADI Recreational Scuba Diver Certification (Rabaul, Papua & New Guinea), CAA Level 1 Avalanche Safety, Introduction to Labview (2012) (from National Instruments), Netlogger Base Station implementation & Operations (Campbell Scientific), Ultrasonics for Non Destructive Testing (BCIT), Over 30 other Diplomas from manufacturers & continuing education institutions.

TECHNOLOGIST IN TRAINING 1976-78 [BC Institute of Technology](#) [BCIT](#), Burnaby BC Canada

- **Honors Diploma of Technology** (*Magna Cum Laude*), in Electrical, Electronics & Instrumentation
- Control Electronics Option. Course similar to US Associate Engineering programs.

HS DIPLOMA, ARTS & SCIENCES 1972-76 [West Vancouver Secondary School](#), Vancouver.

- Awarded Industrial Arts Scholarship for achievements in Electronics & Industrial Arts.,
- Joint Head of Tech Crew club. Ski Team, Intermediate Basketball, Junior Badminton Team

### KNOWLEDGE, SKILLS & ABILITIES

- Environmental Sensing & Real Time Systems Design, Operation & Support
- Solar & Battery Power, Inverters & Power Management
- Wireless, Wifi, Radios & Antennas (Voice and Data, incl HF, VHF, UHF & Low end SHF)
- PC & Datalogger Design, Support & Use Primarily with Windows (all sizes)
- Wiring | CAD / PCB Design & Fabrication & Repair | Audio & Video & Photography
- Troubleshooting, Fault Isolation, Problem Solving
- Teaching & Training (Technical & Sport centric) | Mentoring of COOP Students
- Electrical & Electronic Theory | Electronic devices and systems techniques
- Strong tool & test gear skills in Lab & Field | Metal/Wood & Composites work
- Skilled in Harsh & Foreign Work Environments | Working safely around traffic & Helicopters
- Map work & Surveying | Interpretation of Technical papers and information
- Working in foreign and Developing Countries

### CERTIFICATIONS & LICENSES

- ASTTBC Registered Electronics & Instrumentation Technologist
- Former BC Licensed Low Energy Electrician
- Worksafe BC W.H.M.I.S. Certified Dec 2010
- BC Electrical Field Safety Rep (Low Energy) Expired Dec 2010
- Marine Pleasure Craft & Marine Radio Operator Licenses
- PADI Recreational Scuba Diving Certified
- Class 5 & 6 BC Drivers License

**LANGUAGES:** English, French (Spoken)

### PERSONAL BACKGROUND

Personal data & references available on request.

### VOLUNTEERING:

- Past Director (BC), Windsurfing Canada,
- Co Founder Victoria Uni Riders Unicycling Club
- Past Director, Vancouver Electric Vehicle Assn
- Founder VEVA.CA Islands EV Chapter

**Hobbies & Passions:** Cycling, Skiing, The Outdoors, Hiking, Racquet Sports, Sailing & Windsurfing, Photography, Music, Art, Travelling, Philosophy, Design, History, Family, Current Events

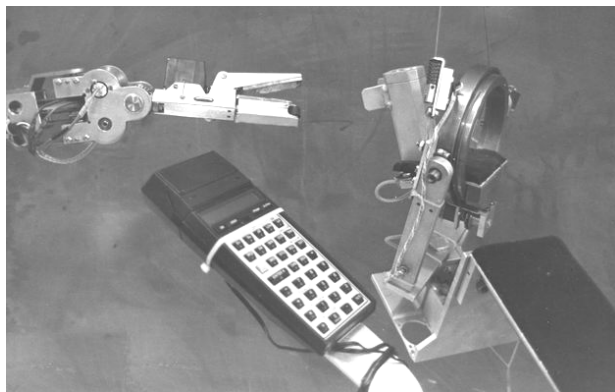
**Workplace Photo Archive**



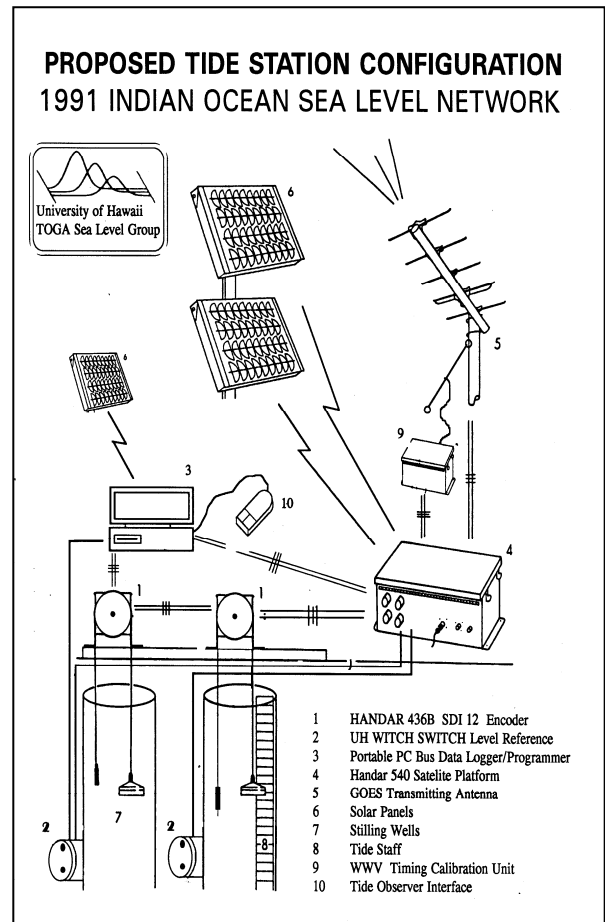
Sites and equipment I oversaw at M.o.T. Avalanche Programs



Fabrication of Test Kit Power Supplies



Robot Parts Refined for Master Slave Control at TRIUMF



Project planning for Indian Ocean automation



Tide Observer training with Airport officials in Oman, 1992