

Curriculum Vitae

Name:	Antony (Tony) William Sweetnam
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Age:	59 years

EMPLOYMENT HISTORY	
Nov 2010 - Nov 2012	Independent project manager for Warnervale Medical Holdings Pty Ltd responsible dealing with multiple stakeholders and ensuring the design, construction and occupation of an \$11.5 million medical centre on time and within budget.
From November 2010	Current & Potential Systems Pty. Ltd. ABN 67 104 637 Proprietor, Project Manager and Systems Engineer providing consulting and test services.
2009 -August 2010	CSIRO Systems Engineer and Project Manger Documenting, analysing and advising on improvements to CSIRO's data, records and management information systems.
June 2007 – 2008	CSIRO ATNF ASKAP Project Manager for Smart Feeds and Infrastructure. Managing the Smart Feeds project, research work developing focal plane arrays for radio-astronomy. Developing requirements specifications and plans for the deployment of renewable power, signal and data transport and general facilities and buildings in stages to support the ASKAP radio telescope.
2004- 2007	CSIRO ATNF SKA Engineering Projects Manager. Responsible for a group of SKA related projects, including the NTD, xNTD, SKA Site Submission, Mileura RFI measurement and SKAMP projects. This work resulted in the proposed Australian SKA site being short listed as one of two possible sites for the SKA. It has also allowed the ATNF to propose and receive substantial additional funding to >\$100 Million for an expanded version of the xNTD, viz. the Australian SKA Pathfinder.
1995- 2004	CSIRO Contracts Manager for the Division of Radiophysics, and then for the Division of Telecommunications and Industrial Physics. Responsible for managing over \$12 million of contracts each year. I implemented a web and database based contract management system which was used as a benchmark system for the rest of CSIRO.
1992-1995	CSIRO Project Manager for the Advanced Telecommunications Project. Project manager for a \$7.7million syndicated R&D project coordinating expenditure across three research groups and providing technical and financial reports to the investors and the Government's IR&D Board.

Sept 1990 – 1993	<p>CSIRO Project Manager for the PLANS WLAN initiative and Project Leader for the modulation team.</p> <p>This group was responsible for the development of the OFDM modulation and coding scheme which was patented by CSIRO and is the basis of the 802.11a and 802.11g WLAN schemes. CSIRO is now collecting substantial royalties from this patent.</p>
1991 – 1992	<p>CSIRO Radiophysics Project Manager for Joint Research Centre for Collaboration Technology with Flinders University</p> <p>Designed and implemented a high quality audio, video and whiteboard link between Marsfield and Flinders University to test theories relating to remote collaboration.</p>
March 1990 – 1991	<p>CSIRO Radiophysics – Senior Experimental Scientist and Project Manager in the Industrial Projects Group working in several projects including the Mine Proximity Detector, the Airborne Synthetic Aperture Radar Project and specialised feeds for the Defence Signals Directorate</p>
March 1986 to February 1990	<p>KEL Aerospace Pty. Ltd. – NSW Manager</p> <p>My responsibilities included manufacturing, marketing and tendering with a staff of 22 consisting of electronics engineers, mechanical engineers, software programmers, technicians, a purchasing officer/storeman and a secretary. Projects included the manufacture of 16 ATLAS wool-testing machines for AWTA Ltd. The manufacture of 15 ionospheric sounders and DBD-43 digital add-on systems. Other projects included: The development of a High Voltage Transient Recorder for Telecom Research Laboratories; The design and development of a high speed Frame Synchroniser for ERS-I satellite digital data for British Aerospace Australia; The design and development of the new computerised Dutch Auction System for the NSW Fish Marketing Authority; and the design and development of low tension fibre optic cable layer and reeler for use on a remote controlled mine rescue vehicle in cooperation with the CSIRO.</p>
March 1985 to February 1986	<p>KEL Engineering Laboratories – General Manger (Division of KEL Aerospace Pty. Ltd.) Responsible for the technology transfer and production engineering of the ATLAS Wool Testing Machine. A prototype had been developed by the CSIRO which was developed into a laboratory instrument for Australian Wool Testing Authority (AWTA) Ltd.</p>
March 1984 to February 1985	<p>SCITEC Corporation Pty. Ltd. – R&D Engineer</p> <p>Whilst at SCITEC I designed a range of high-speed digital modems, primarily for sale in the US market. I also spent several weeks in the USA trouble shooting several of the company's existing data multiplexer products.</p>
June 1982 to February 1984	<p>KEL Aerospace Pty Ltd - Development Engineer</p> <p>Responsible for R&D developing a microprocessor based digital controller for KEL Aerospace's IPS-42 Ionosonde..</p> <p>I also functioned as Acting Manager of KEL covering marketing and financial aspects whilst the managing director was away overseas.</p>
November 1979 to May 1982	<p>Summit Electronic Systems – Factory Engineer / Manager</p>

1978-1979	<p>Sydney University – PhD Student Enrolled as a Ph.D. candidate at Sydney University researching into Solar and Wind Energy Systems, receiving a Commonwealth postgraduate scholarship</p> <p>Summit Electronic Systems – Real time assembly programmer Whilst working on research at the University I also worked writing real time assembly level for Summit Electronic Systems.</p>
1977	<p>Digital Equipment Australia (DEC) - Electronics Technician Working for Special Systems Division at Crows Nest I was involved in developing an 8080 microprocessor based system.</p> <p>AWA –Systems Engineer Worked as a Systems Engineer at North Ryde on the CMI project.</p>
1972 –1976	<p>Sydney University – Undergraduate student AWA Vacation student While studying at Sydney University I was employed at AWA in various capacities, gaining experience on the production line and in the test room. As a graduate Scientist I worked on a computer simulation model for Surface Acoustic Wave Delay Line Oscillators.</p> <p>Summit Electronic Systems – Prototype Technician During the period March 1974 to December 1976 I also worked Saturdays as an R&D technician at Summit Electronic systems building and testing prototype electronic equipment.</p>

Qualifications	<p>University of Sydney Bachelor of Science Pass 1975 Majors: Computer Science (Distinction) Physics A (Pass)</p>
	<p>University of Sydney Bachelor of Engineering (Electrical) 1977 2nd Class Division 1 Honours</p>
	<p>Electrical Contractors Licence NSW 7752 ACMA Open Cabling Registration TITAB T26578 Security Industry Licence 2B / 2F 4102196697 PRINCE2 Practitioner P2R/A55478</p>
Secondary Education	<p>Sydney Church of England Grammar School (Shore). Higher School Certificate 1971 Exam Subjects: Maths IF, Science IF, History 1, English 3</p>

PROFESSIONAL REFEREES

	<p>Dr Brad Cranney – please request contact details Dr John O’Sullivan - 0407 447 748 Dr Colin Jacka - 0419278921 Mrs Carolyn Hart - 0418434879 Professor Anne Green - 02 93512537</p>
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PERSONAL INTERESTS

Other Interests	<p>Family, Swimming, Walking, Cycling Amateur Radio – VK2BOX Folk Music – singing and playing an English Concertina</p>
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