

Dr Liam Waldron

PhD BSc Hons GAICD MCMi FIML CMgr CPMgr FIEAust CPEng
EngExec NER (Leadership & Management, ITEE, Electrical) APEC
Engineer IntPE(Aus) SMIEEE PRINCE2 Registered Practitioner
Managing Director, Waldron Solutions Pty. Ltd.
(ACN 138 832 989)



Waldron Solutions Pty Ltd

E Liam.Waldron@Waldron-Solutions.com.au

M 0407 282 273

Canberra, ACT

www.linkedin.com/in/liam-waldron-1390011

Multidisciplinary Science, Technology, Engineering, Management, Innovation and Business Development Shaping effective science and technology organisations, culture, teams and networks

Accomplished **Research Scientist, Chartered & Certified Manager**, and **Engineering Executive** with a proven record of leading large-scale human and material resources across multi-disciplinary teams—spanning research groups, technical services, international space-satellite consortia, alliances, start-ups, and commercial R&D and manufacturing sectors. Recognized as a **strategic leader and change agent**, driving transformation through innovative, sustainable solutions and fostering a culture of continuous improvement. Adept at shaping organizational culture, inspiring high-performance teams, and delivering impactful outcomes in complex environments.

Key Strengths:

- **Corporate Governance & Leadership:** Experienced Director and Chair of NFP/FP Boards with expertise in governance, fiduciary duties, financial oversight, and strategic decision-making.
- **Global Influence & Innovation:** Demonstrated success in international project promotion, technology commercialisation, and launching start-ups on a global scale.
- **Technical & Analytical Expertise:** Proficient in interpreting scientific, engineering, financial, and cultural data to inform strategy and operations. Advanced ICT literacy, software development, data acquisition, numerical modelling, and simulation.
- **Communication & Negotiation:** Exceptional ability to build trust and alignment with stakeholders at all levels, nationally and internationally.
- **Education & Knowledge Transfer:** Skilled in tertiary-level course development and coordination, shaping the next generation of SciTech professionals.

Core Competencies, Skills and Attributes include

- Strategic Leadership & Intellectual Influence
- Stakeholder Engagement & Cross-Organizational Collaboration
- Advanced Communication & Negotiation Skills
- Multi-Disciplinary Project & Program Management
- Systems Engineering & Complex Problem Decomposition
- Contract Management & Risk Mitigation
- Governance, Financial Management & Business Continuity Planning
- Innovation, Commercialization & Technology Start-Ups
- ICT & Business Intelligence Integration
- Equal Opportunity Principles in Strategic Planning
- Occupational Health & Safety Compliance
- Applied Physics & Space Science Expertise: High-energy astrophysics, supernova hydrodynamics, advanced detectors, radar, and space-borne satellite instrumentation (qualification, assembly, integration, and testing), together with Ground based optical/IR instrumentation and facilities.
- Computational fluid Dynamics and ceramic pre-filtration systems for RO
- Extensive Computing & Programming Skills: Software development, peripheral interfacing, numerical modeling, advanced statistical analysis, and data acquisition systems
- Tertiary Course Development & Coordination
- Engineering Professional Competence Assessments

Primary Academic and Professional Qualifications and Certifications

(National Registered) Chartered & EngExec Assessor	IEAust / Engineers Australia	Registered
Chartered Professional Engineer, Fellow & Engineering Executive	IEAust / Engineers Australia	CPEng FIEAust EngExec
National Engineering Register, Asia Pacific Economic Commission Engineer, RPEQ	NER (Leadership & Management, Electrical, ITEE), Engineers Australia, Registered Professional Engineer of Queensland	NER IntPE(Aus) APEC Engineer RPEQ
Grad Cert Cyber Security Management.	University of Canberra. Partial completion CPD activity.	

SFIA Accredited Consultant	GSCAGILE	
Board Governance	Graduate, Australian Institute of Company Directors	GAICD
Management Professional	Chartered Manager, Fellow & Certified Practicing Manager, Institute of Management & Leadership	CPMgr CMgr FIML
Doctor of Philosophy (App.Phys)	Australian Defence Force Academy, UNSW	PhD
Bachelor of Science Hons (App.Phys)	Australian National University	BSc Hons
Senior Member, IEEE	Institute of Electrical and Electronics Engineers Inc.	SMIEEE
Prince2 Foundation & Practitioner Certificates in PM	The Knowledge Academy Australia	PRINCE2
Diploma of Project Management	UNE Partnerships, 2003 (partial completion, Exam Distinction)	
Commercialisation in Research and Development	National Graduate School of Management, BUSI8165, ANU,	Cert. Completion
Systems Engineering for Defence, Aerospace and Other Technology Based Sectors	Technology Australasia Pty. Ltd, Professional Development Course	Cert. Competence
Global Positioning Systems	University of Adelaide	Cert. Competence

Selection of Technical Societies, Committees and Panels

- **Member (from Industry)**, Faculty Innovation Working Group, Faculty of SciTech, UC, ACT, Oct2020-2022
- **Member & Deputy Chair (Past Chair)**, Information, Telecommunications, Electronics and Electrical Branch Committee, Engineers Australia (EA), Canberra Division, **1999-2015 (Chair 2001-Sept 2011)**
- **Member (past Chair)**, College of Leadership and Management (CLM) Branch, EA, Canberra Division, **2005-2015**
- **CPEng (EngExec since 2021) Professional Competencies Interviewer**, EA, **2000-Present**
- **Member**, National Committee of Space Engineering (NCSpE), Engineers Australia (EA), **2008-2015**
- **Member and NCSpE Representative**, ITEE College Board, Engineers Australia, **2011-Feb2015**
- **Educational Activities Chair**, IEEE ACT Section, **Jan2004-2007, Jan2012-Oct2014.**
- **Secretary**, IEEE ACT Section Executive Committee, **Nov2014-2016**
- **Member**, College of Engineering and Computer Science Consultative Advisory Group, ANU, **Sept2009-Present.**
- **Industry Advisory Panel**, Network and Software Engineering Panel, Univ. Canberra, **June2010-2013**
- **Member**, Advisory Forum to the Canberra Division, Engineers Australia, **2011**
- **Senior Member**, IEEE Engineering Management Society (EMS), **1998-2018**
- **Senior Member**, IEEE Aerospace and Electronic Systems Society (AESS), **1998 -2002**
- **Member**, Australian Association for Engineering Education (AAEE), **2000-Present**
- **Executive Officer (Co-Deputy Chair)**, Electrical College, Engineers Australia (IEAust), **Feb2009-March2011**
- **Member (Canberra Div. Rep)** Electrical College Board, Engineers Australia (IEAust), **2000-2009**
- **Delegate**, SPECTRUM XG Technical Implementation Committee, Soviet Union, Italian Space Agency and IAS, **Aug92-June95**

Company Board Directorships, Advisory or Association – Sample

- Advisor to Board of Directors, Globfintec LTD, India & Australia, Global Finance and Technologies, April 2024-Present
- Advisor to Board of Directors, Altec Consultants LTD, Dhaka Bangladesh, major civil works and infrastructure, Dec2023-Present
- Advisor to Board of Directors & Senior Negotiator, Yahya Abu Diyab Trading Est, Abu Diyab, KSA Oct 2020-2022
- Invited Founding Council Member (Declined after due diligence), Meeman Foundation, NGO Trust, Sri Lanka, Jan2020-Jan2021
- Independent Chair, Advisory Board, SubSahara Consulting Pty Ltd, (Civil Engineering) ACT, ACN 139740784, Jan2018 – Present
- Non-Exec Independent Director & Chairman, Global Projects Development Company Pvt Ltd, Republic of the Maldives (Subsidiary of Capital Investment & Finance Limited, UK) Oct2015-Sept2019
- Advisor to Board & International Senior Negotiator, Renewable Energy Projects, Omega Greenpower Limited, Nov 2015-2016.
- Independent Advisor to Board and Senior Negotiator, KSA, IT Power Renewable Energy Systems ACT, Nov 2015-2016.
- Advisor to the Board, Buyers Premium Property Pty Ltd, Nov 2015-2019
- Non-Exec Independent Director, Capital Investment and Finance Limited (CIFL), United Kingdom, Nov2014-Oct2015
- Exec Director and Chief Technology Officer, Kalman Water Production Company Pty Ltd, Nov2014-Jan2017
- Exec Director & Chief Technical Officer, Opala Water Pty Ltd, Jun2013-Nov2015
- Co-founder, Director, NTERN and Company Pty Ltd, March 2015-March 2016, internet-based Student one-stop-shop service
- Director and Co-founder, GetLINKs Pty Ltd, Oct 2013-2020 (Employment and Industry linkages)
- Non-Exec Independent Director (Chairman), Australian National Drag Racing Association (ANDRA) Limited, May2011-Oct2014
- Non-Exec Indep Director & Interim Chair (caretaker), Drag Racing Australia Group LTD, Sept2011-Oct2014
- Non-Exec Independent Director, Advocacy for Inclusion, The Association, ACT, Nov2010-July2013
- Founding Director and Managing Director, Waldron Solutions Pty Ltd (Management & Business Development), Sept2009-Present
- Non-Exec Independent Director, Engineers Australia Pty. Ltd. (Engineers Media), Jun2005-Aug2011

Awards

- Registered National Chartered Assessor (Nov 2021) & EngExec Assessor (March 2023), Engineers Australia,
- Teaching Excellence Award, Faculty of Science and Technology, University of Canberra, 2018
- Adjunct Associate Professor, Faculty of SciTech, The University of Canberra, 2018-2020

- Visiting Fellow, University of New South Wales, Canberra (ADFA), Nov 2015-2016
- Adjunct Associate Professor, Business Government and Law, The University of Canberra, Jan 2015-2018
- Visiting Fellow, *Adjunct Senior Lecturer*, Research School of Engineering, CECS, ANU, July 2009-Present
- Visiting Fellow, School of Physics, ADFA, UNSW, Station Director of the Balloon Launching Station (BLS), Alice Springs, NASA Balloon Campaign, Jan-Apr 2003.
- Short Course Award, Commercialisation in Research and Development, ANU, 2002.
- Postdoctoral Research Fellowship (SPIRT), Physicist/Engineer, UC, ADFA, 1998.
- Postdoctoral Research Fellowship, Physicist/Engineer, University of Adelaide, 1997.
- Postdoctoral Research Fellowship, University of Western Sydney, 1997.
- European Community Research Fellowship, Physicist/Electronics-Engineer, 1995-1996.
- European Space Agency Research Fellowship, 1992-1994.
- Australian Postgraduate Research Award, 1990.
- Commonwealth Postgraduate Research Award, 1988. ADFA, Rector's PG Research Award (declined)
- Summer Research Studentship in Science (*Re-design of a Ruby Laser*), University of Melbourne, 1985.

Scientific & Technical Publications, Papers and Patents

Refereed- 39 ; Non Refereed- 39; Recent Team Award proposals- 9; Significant Research Grant Applications- 15; Patents in ceramic membrane cleaning technology for desalination, in collaboration with KACST, Riyadh Saudi Arabia. Registered KSA.

Employment and Management History

Sept 2021-Present, Engineers Australia, 11 National Circuit, Barton ACT 2600

National Registered | Chartered Assessor | EngExec Assessor | Manager, Engineering Workforce Credentialing

- Assessment of Engineers for EngExec and Chartered, Areas of Practice and Registration on National Engineering Register
- Panelist for Systems Engineering and Cyber Security
- Committee Member for Cyber Security and Nuclear Engineering
- Management of Assessor Team and delivery of strategic objectives

Sept 2009-Present, Waldron Solutions Pty Ltd (Management and Business Development Consultancy)

Managing Director (www.waldron-solutions.com.au)

Multi-portfolio, including

- **Management:** Multi-disciplinary Technical Project & Program Management; Technical & IP Audit, Advisory Critique; Design Review Participation; Documentation Review & Compilation; Systems Engineering Practice; Team Building and Specialist Resource Acquisition; Science, Technology & Management Advisory
- **Corporate:** Business Development & Continuity Planning; Board Directorship, Chairing & Governance; Board Advisory; Interim Executive Services; Confidential Investigations, Fact-finding & Advocacy; Individual & Team Transformation
- **Work Ready:** Private, Industry, University & Cultural Mission Sectors; Connecting Industry with Students & Transitioning Professionals; Coaching & Mentoring; Professional Practice, CPD & Accreditation; Project Management & Systems Engineering; Innovation & Entrepreneurship
- **Global:** Connecting parties to established trust networks Including Investors & Developers in various jurisdictions; Global partnering agreements; Business Development Partnerships; Project Promotion & Participation; Technology Transfer.

Examples of Recent Relationships and Projects at Waldron Solutions

1. **Aug 2025-Present 2024**, WEST BAY INC, Ontario Canada (Strategic Finance Limited SFL powerplant trustee)
 - Sale of 38.76% equity stake in SFL Unique Nebras Meghnaghat 584 MW Combined Cycle Gas-fired Power Plant
2. **October 2024 – Present**, Frontier Towers Bangladesh Ltd
 - Representative & Business Development Management
 - Orchestrating investment opportunities for the expansion of telecommunications infrastructure, enhancing connectivity across Bangladesh.
3. **July 2024 – Present**, Parallel Realestate, Sultanate of Oman (Representing Ministry of Housing and Development)
 - Brokerage Agreement, Collaboration and exploration of investment opportunities in Sultanate of Oman
 - Attracting investors, constructors and management to landmark projects in development sectors of Oman
4. **April 2024 – Apr 2025**, M&B International Marketing Management Consultation, UAE
 - MOU/LoA for Cooperative Business Development
 - Strategically sourcing investment and construction for major civil works and infrastructure projects in Bangladesh and Oman.
 - Facilitating the supply of petroleum products to Tanzania and Bangladesh.
 - Facilitating the supply of oil and gas pipeline products to other jurisdictions
5. **October 2023 – Present**, Altec Consultant Ltd (ACL), Dhaka Bangladesh
 - Representative & Business Development Management
 - Leading investment sourcing, construction, and operational management for major civil works and infrastructure projects in collaboration with Chattagram Development Authority.
6. **Sept 2023-May 2024**, Arcole Energie, France
 - Agent for Australia, New Zealand, Eastern Africa, Oceania, and Asia
 - Championing technology in the circular economy, specifically waste-to-energy conversion, to drive sustainable development.

7. **June 2023 - July 2024, swissQuant Group, Zurich Switzerland**
 - Referrer, Introducing cutting-edge technology solutions for leading banks, wealth managers, and clearing houses to potential clients, fostering innovation and efficiency.
8. **2015 – 2022, Strategic Alliance with Green Construction, Kingdom of Saudi Arabia**
 - Global Promotor and Business Development Manager
 - Promoting Saudi Arabian civil construction projects, identifying investors and developers for project financing and development, and driving strategic alliances.
9. **2014 – Present, Alliance & Consultancy Contracts with Water Tech Program Department, KACST, Riyadh, KSA**
 - Principal Investigator, Designer, Adjunct Professor (under Waldron Solutions Pty Ltd)
 - Designing and providing prototypes of cleaning mechanisms for ceramic membranes used in water desalination.
 - Yielded successful patents with Waldron Solutions retaining 35% commercialization rights.
 - Publications in progress for submission to major international refereed journals.

July 2012-Mar 2022, University of Canberra, Faculty of Science & Technology

(Semester 1 2016 Consultancy Contract under Waldron Solutions)

Co-unit Convenor, Senior Lecturer, Tutor (Adjunct Associate Professor 2018- 2020)

- Probability, Statistics, Critical Thinking, Engineering Management, Systems Engineering Projects, Professional Practice in I(C)T, Professional Practice in Engineering, Technical Innovation and Entrepreneurship
- In 2018, Dr Liam Waldron received the Research and Teaching Excellence Award for Sessional Staff, from the Faculty of Science & Technology, The University of Canberra, “for his high-quality teaching outcomes, his enthusiastic student engagement, & his passionate dedication supporting students with special needs”

July 2011-2015, University of Canberra, Faculty of Business, Government and Law

Tutor (2011-2013) & Adjunct Associate Professor (2013-2015)

- Faculty of Business, Government and Law: Business Intelligence Systems (2011-13)

July 2009-2016 Research School of Engineering, CECS, The Australian National University

Adjunct Senior Lecturer, Course Coordinator & Industry Liaison (Consultancy Contract under Waldron Solutions)

“The industry-based external Convenor of these courses, Dr Liam Waldron has been selected to have a broad range of industry expertise & connections. The sought-after but selective Engineering Internship Program is a clear example of effective & productive student projects, most highly praised by the industry partner.” Significant contributor to Accreditation Submission to Engineers Australia.

- Engineering Management (2009-15)
- Systems Engineering Projects (2009-16);
- Supervisor, Honors/Masters theses (2011-18)
- Supply Chain Management (2009-11)
- Innovation 2012, 2017
- Engineering (Industry) Internships (2009-16)
- Member CECS Consultative Advisory Group
- Work Experience Program (2009-16)
- CECS Representative to Space Technology Astronomy Research Student (STARS), Program **CDSCC** (2014-16)

Jun 2011-Oct 2013, Research School of Astronomy & Astrophysics, Australian National University

Project Manager (Consultancy Contract under Waldron Solutions Pty Ltd)

- Siding Spring Observatory 2.3m Telescope, Facility and Services Upgrade Project (Electrical, IT, Mechanical, Building Fabric)
- business continuity and provision of strategic direction with respect to scientific drivers and associated instrument upgrades

June-Oct 2010, Office of Commercialisation, Australian National University

Interim Director (Consultancy Contract under Waldron Solutions Pty Ltd)

- Assumed duties and responsibilities of Director
- Audit, protection and business development of intellectual Property originated by university academia and staff

2010, Joint Decision support Centre, Joint Operations Division, DSTO

Technical Manager (EL1, S&T Level 5, Classification Top Secret)

Position awarded May 2010 but declined at a later date after receiving *Restricted* clearance.

Feb 2006 - July 2009, Locata Corporation Pty Ltd

Programme Manager (Locata Executive)

- Australian proxy of USA CTO. Responsible for management of Locata start-up Technology Program (Australian ground-based transceiver network positioning technology) & engineering team; building early adopter client base & driving strategic direction.
- Charged with establishing an effective, disciplined engineering team and facilitating a responsive R&D culture, through company start-up to IPO. Project Manager of specific major projects.

May 2002 - Feb 2006, RSAA (Mount Stromlo Siding Spring Observatory), ANU

Technical Programme Manager

- Integrated management of technical services of 30 engineers (electronics, IT, electrical, mechanical, cryogenic and engineering), Responsible for the integration and coordination of all international, national and local major projects and contracts [\$32M].
- Project manager for nominated significant projects (e.g. Systemic Infrastructure Initiative for Siding Spring Observatory [\$6M], Gemini South Adaptive Optics Imager [USD4M], “SkyMapper” Project [\$13M]).
- Strategic business driver and influencer in maintaining Business Continuity of technical program post Canberra bushfires 2003
- Major contributor to the design & scientific/technical requirements of the Advanced Instrument Technology Centre
- Composition & Submission of successful application for Engineering Excellence Awards, Canberra Division, Engineers Australia.

Oct 1998 - May 2002, Research School of Chemistry, ANU

School Facilities and Research Services Engineer

- Integrated management of technical services (electronics, electrical, mechanical, cryogenic and engineering)
- Oversight of maintenance of building, plant and services; Management of major projects and contracts;
- Success in proposing and managing upgrades to HVAC and ductwork, Loading Bay and Main-air intake, Lighting, OHS Compliance provisions, Cat-5 Cabling, Roofing, Chemical neutralisation pit, waste water lines, laboratory fume cupboards, 300kW Stand-by Generator, Workshops, Laser Laboratory, NMR Facility, Mass Spectrometry Facility, offices, Fire Safety, etc.
- Successful **establishment of research culture** amongst technical staff and within workshops and technical services division
- commercialisation of technical/engineering designs; strategies for commercial use of technical facilities.
- Provided Strategic direction to RSC and ANU during Y2K in terms of Business Continuity and development of Action Plans.

July 1998-Oct 1998, School of Physics, Australian Defence Force Academy ADFA , University College UNSW

SPIRT Research Associate, Scientist & Engineer

- Management and performance of modelling, software simulation and feasibility study of CW RF Boundary Layer Wind Profiler (radar) of atmosphere using pseudo-random phase coding (Spread Spectrum) and Doppler Techniques

May 1997-July 1998 School of Physics and Mathematical Physics, University of Adelaide,

Physicist/Electronic-Engineer

- Management & performance of refurbishment, upgrade and operation of Fourier Transform Spectrometer facility and control electronics for Thermo-Luminescence Archaeometry

Aug 1996-May 1997 School of Physics, Australian Defence Force Academy ADFA , University College UNSW

Research Associate, High-Energy Astrophysics and Low Temperature Mossbauer Physics.

- Management and engineering of data analysis software and data base for international X-ray Astronomy) Consortium
- Management of design and construction of uniform field device (Helmholtz coil) and cryostat tail stack for Low Temperature Mossbauer cryogenic dilution fridge
- Tutor and Laboratory Demonstrator in Physics

May 1995 – June 1996

Research Scientist/Electronics Engineer, European Community Human Capital and Mobility Programme Fellowship

- Management, design, setup and operation of R&D test facility to characterise Hybrid photo-diode detector prototypes (optical) for European industry (DEP, DELF) and research institutes

1994-1995 Istituto di Astrofisica Spaziale (IAS), Rome Italy

Interim Project Manager

- XRM (INTEGRAL M2 Space Satellite, ESA, Phase A) Hard X-ray astrophysics and Instrumentation
- IMAGER/IBIS (INTEGRAL M2 Space Satellite, ESA, Phase B)

Contracted Consultant

- Management, design and testing of integrated support window/collimator assembly of a high-speed, two dimensional, high-pressure xenon detector for space research applications. Quality assurance and risk analysis

Aug 1992-June 1995 Istituto di Astrofisica Spaziale (IAS), Italy, MART-LIME, Spectrum-X Γ Space Satellite Consortium

MART-LIME Project Manager and European Space Agency Research Fellow (Eire)

- MART-LIME and Italian Space Agency Delegate/Liaison to S-X Γ Consortium (Russia, UK, Denmark, US, Italy, Germany, Canada, Hungary, Turkey, Switzerland, Finland, Israel, Kirgizia).
- Responsible and accountable for overall project management & technical objectives of the project life cycle including schedules, budget, build model development, interface control, complex testing, Qualification and Conformance to Technical Requirements, resolution of different European/Russian standards, acceptance testing and philosophy, delivery and documentation. Leadership in growth of political relationships.
- Responsible for acceptance testing - verification of design and manufacture in accordance with Technical Requirements before acceptance (eg. LABEN Alenia Spazio ISO-9001 certified space applications industry)
- Delivery of business objectives and Representation of Italian Space Agency and IAS on International Tech Implementation Committee. Took MART-LIME from consortium laggard to consortium leader amongst all instrument groups during political turmoil of Perestroika and Glasnost.
- Scientific research and publications in High-energy astrophysics and instrumentation.

1990-1991 Department of Physics, Australian Defence Force Academy ADFA, University College UNSW

Post-Doctoral Teaching Fellow and Research Assistant in X-ray Astronomy

- Development, implementation and management of analysis software; computational simulation of particle transport;
- development, construction, calibration and laboratory testing of cylindrical high pressure proportional counters

1988 March: Joint Australian-NASA Balloon Launching Facility, Alice Springs (Airport), NT

Acting Facility Manager

- Management and coordination of balloon launch operations involving scientific payloads at high altitude.
- Management and support of NASA campaign (Involving 7 instrumentation groups) in 2007.

1991 Radio Astronomy, Parkes Radio Observatory, NSW, Australia

- operation and control of the Parkes 64m radio telescope.
- spectral observations of ammonia emission from dark-cloud complexes (part of southern hemisphere survey)

1986-1991 Department of Physics, Australian Defence Force Academy ADFA , University College UNSW

Undergraduate Physics Laboratory Demonstrator

1986-1990 Joint Australian-NASA Balloon Launching Facility, Alice Springs, NT

Balloon Launch and Operations Team

- Balloon launch operations, ground station control and recovery of international balloon-borne astronomical telescopes within frameworks of international collaborations. Included Mirrabooka X-Ray Astronomy Space Satellite prototype detector system

1986-1991 Department of Physics, Australian Defence Force Academy ADFA, University College UNSW

Ph.D. Research Candidate

- Expertise in cosmic-ray & high-energy astrophysics, nuclear physics, X/Gamma-ray astronomy, & instrumentation
- Skilled in numerical analysis and Monte-Carlo simulation of photon-particle transport, shielding geometries, stellar atmospheres, supernova hydrodynamics, detector response functions and conversion efficiencies
- Development, testing & preparation of hard X-ray and gamma-ray detection, control, orientation & telemetry systems for numerous hi-alt balloon observations.
- decoding, formatting, cleaning, logging and real-time spectral/temporal analysis of data telemetry stream
- Proficient in synthesis imaging in radio astronomy
- Developed PC-based ground stations for real-time data transfer and analysis
- Led feasibility studies and proposals for satellite missions for cosmic-ray studies
- Refurbished and calibrated gamma-ray spark-chamber
- Designed and constructed film projection-digitisation systems & all requisite driver software for analysis of spark-chamber film data pertaining to supernova observations
- Created synthesis-imaged sky maps and emission models for supernovae and radio jets
- Conducted data analysis and archival distribution to collaborating international institutes

1985 (10 weeks) University of Melbourne, Victoria

Summer Research Studentship in Science

- Successful redesign and refurbishment of a ruby laser control circuit.

1985 Physics Department, Australian National University.

Honours Year Candidate

- Successful numerical simulation of radiation transport observed in an atomic vapour of medium density under high intensity laser irradiation; spatial and temporal development of populations and photon densities in a cylindrical geometry

Referees

Available upon request