

Karl Reed ¹Curriculum Vitae

Adjunct Associate Professor

(Director, Amdahl Australian Intelligent Tools Project 1989-1996),

**Department of Computer Science
La Trobe University
BUNDOORA
VIC. 3083
June 11th 2020**

I. PERSONAL DATA

Name: Karl Reed

Born: September 29, 1943
Ivanhoe, Victoria
Australia

Rank: Adjunct Associate Professor²

Date of appointment: March 1, 2008

Department: Computer Science & Computer
Engineering

Work Phone: +61-(0)3-9479 1377
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Citizenship: Australian

Home address: 19 Meruka Dr.
Eltham 3095
Victoria, Australia

Home phone: +61-(0)3-9431 2079

Marital Status: Married
two children by first marriage, two step children

Hobbies: Cooking, Photography

¹ http://homepage.cs.latrobe.edu.au/kreed/Adj_Assoc_Prof_Karl_Reeds_Home_Page.html

² Promotion approved by LTU Council, May 5th 1994, back-dated to Jan 1 1993.

1. EDUCATIONAL BACKGROUND

- 1956-1959 Moorabbin Technical School, Intermediate Certificate (1959).(also Library Prefect and Head Library Prefect, and School Prefect).
- 1960-1963 Royal Melbourne Institute of Technology.Completed Academic requirements for Assoc. Diploma, Communications Engineering, conferred 9th July 1965 after completion of experience requirement. (Using 1987 scoring, 13 Passes, 7 Credits, 10 Distinctions and 6 High Distinctions - no failures).
- 1973-1976 Monash University, Department of Computer Science.MSc Prelim. completed 1976. (Completed 8 Honours Units in the Comp.Sci.Degree.)
- 1977-1983 Monash University, Department of Computer Science. Completed MSc. on "The Short Address Problem in Digital Computers", March 1983. Passed November 1983, conferred 30th March 1984.

2. EMPLOYMENT BACKGROUND

2.1 Full-Time Positions/Adjuncts-Honorary

- Mar 2008-Mar 2020 Adjunct Assoc. Prof., Computer Science and Computer Engineering, La Trobe University**
- Feb 2008 Retired**
- May 1994-Feb 2008 Associate Professor, Department of Computer Science and Computer Engineering, La Trobe University (Appointment back dated to Jan1 1993).**
- Jan 1999-Dec 2000 Deputy Head of Department, Department of Computer Science and Computer Engineering, La Trobe University
- Jan. 1997 Acting Head, Department of Computer Science, La Trobe University (Five weeks).
- May 1996 Acting Head, Department of Computer Science, La Trobe University (Five weeks).
- June 1995 Acting Head, Department of Computer Science, La Trobe University (Five weeks).
- May 11 1994-July 8 1994 Acting Head, Department of Computer Science, La Trobe University.
- July-August 1989 Acting Chairperson, Department of Computer Science, La Trobe University. (More than 4 such tours of duty).
- May 1989-1997 Director, Amdahl Australian Intelligent Tools Programme, Department of Computer Science, La Trobe University.
- January 1989-May 1994 Senior Lecturer and Group Leader, Software Engineering, Department of Computer Science, La Trobe University.

June 11th 2020 v01.r01

July 1988 - December 1988, Senior Lecturer³ and Area Leader for Software Engineering, Department of Computer Science, R.M.I.T.

January 1988 - July 1988, Lecturer and Area Leader for Software Engineering, Department of Computer Science, R.M.I.T.

July 1985 - January 1988, Senior Lecturer and Area Leader for Software Engineering, Department of Computing, R.M.I.T.

January 1983 - July 1985, Lecturer and Area Leader for Software Engineering and Area Leader for Computer Hardware, Department of Computing, R.M.I.T.

October 1978 - January 1983, Lecturer and Area Leader for Software Engineering and Area Leader for Computer Hardware, Department of Computing, R.M.I.T.

April 1976 - October 1978, Tutor, Monash University Computer Centre.

April 1973 - March 1976, Senior Systems Engineer, L.M.Ericsson Research Laboratory, Glenroy Victoria.

September 1971 - March 1973, L.M.Ericsson Sydney, Senior Systems Engineer. OTC Broadway Project.

July 1969 - August 1971, L.M.Ericsson Stockholm, Systems Engineer, Stored Program Controlled telephone exchange project (OTC Broadway No. 6 Field Trial and subsequent Intl. Gateway).

June 1968 - June 1969, Operations Manager, Monash University Computer Centre.

May 1967 - June 1968, Programmer, Monash University Computer Centre

September 1985 - May 1967, ICIANZ, Central Engineering Department, Computer Applications

August 1964 - August 1965, Maintenance Engineer, Elliott Automation, Melbourne.

January 1964 - August 1964, Trainee Engineer, Australian Post Office, Frankston Line Division.

2.1 Visiting Positions

September 1986 - January 1987, Visiting Faculty Research Associate, Department of Computer Science, University of Maryland, College Park.

January 1989 - 1991, Visiting Senior Lecturer, Department of Information Systems, Royal Melbourne Institute of Technology.

1992, Senior Visiting Fellow in Industry Structure and Industry Policy, Department of Information Systems, Royal Melbourne Institute of Technology.

1994-1996, Distinguished Business Associate, Faculty of Business, Swinburne University of Technology

³ Promoted by peer review in completion with 60 eligible applicants from all faculties.

2000-2002 Hon. Visiting Prof. Middlex University

Jan 2002-Jun 2002 Visiting Professor, School of Information Technology, Bond University

Aug 2002-Apr 2003 Visiting Scientist, Fraunhofer IESE Kaiserslautern

Oct 2006-Jan 2007 Visiting Scientist, TEKNE Project, Universiti de Milano @Crmea

Oct 2007 Visiting Scientist, TEKNE Project, Universiti de Milano @Crmea

May 2008-Sep 2008 Visiting Scientist, TEKNE Project, Universiti de Milano @Crmea

June 2008 Visiting Lecturer ISUFI at Lecce, Italy

May 2009-June 2009 Visiting Scientist, TEKNE Project, Universiti de Milano @Crmea

June 2009 Visiting Lecturer ISUFI at Lecce, Italy

June 2012 Visiting Assessor, (invited by Universiti de Milano @Crmea) MDPS⁴ Doctoral Presentation, Lyon France

Sep 2013 Appointed co-supervisor, of Ph.D. student Romaric Sagbo by Steering Committee of the Computer Science Phd program at the universita degli Stdi di Milano

Nov 2013 Associate Monash Institute of Graduate Research (MIGR)

⁴ <http://www.insa-lyon.fr/en/phd-track-new-mode-international-collaboration>

II. RESEARCH, SCHOLARLY, AND CREATIVE ACTIVITIES

1. PAPERS IN REFEREED JOURNALS

- A PRACTICAL METHOD FOR COMPARING COMPUTER BUREAU COSTS
Australian Computer Journal, Vol. 10, No.1 Feb. 1978 pp. 3-10
- "Software Engineering in Australia.... A Brief Overview" Invited paper. Journal of the Inf.
Proc. Soc. Japan Vol. 35 Extra Edition December 1995 pp (part of joint
set of publications by IEEE Software, SEJ and JIPSI). (**Also a panel
session at APSEC 1994**).
- AUTOMATING REQUIREMENTS WITH CROSS-DOMAIN REQUIREMENTS
CLASSIFICATION Australian Journal of Information Systems (special
issue on Requirements Engineering) p. 131-145 1999 (Cybulski and Reed)
- COCOMO-BASED EFFORT ESTIMATION IN INCREMENTAL SOFTWARE
DEVELOPMENT Software Quality Journal. Vol. 11 2003, pp. 265-281
(Benediktsson, B, Dalcher, D, Reed K and Woodman, M.) (originally in the
conference SQM 03)
- Jayatilleke et. al *A method of requirements change analysis* Requirements Engineering 2018
July 2018 p-1-16
- Jayatilleke et. al *Managing software requirements changes through change specification
and classification* Computer Science and Information Systems V.15 Iss. 2
pp 321-346

2. THESES

- THE SHORT ADDRESS PROBLEM ON DIGITAL COMPUTERS, MSc Thesis,
Department of Computer Science, Monash University, 1983. (Supervisor, Prof.
C.S. W Wallace, Monash University).
- FACTORS INFLUENCING THE DESIGN AND PERFORMANCE OF LINKING
LOADERS, MSc Prelim Thesis, Dept. Computer Science, Monash University,
1976. (Supervisor, Prof. C.S. Wallace, Monash University)
- PROBLEMS, METHODOLOGY AND PHILOSOPHY IN THE EVALUATION OF
INFORMATION RETRIEVAL SYSTEMS, Honours Paper, Dept. Computer
Science, Monash University, 1974. (Supervisor, Dr K. van Rijsbergen).

3. BOOK CHAPTERS

- REPRESENTING AND VALIDATING DIGITAL BUSINESS PROCESSES, Bodenstaff,
L; Ceravolo,P; damiani,E; Fugazza,C; Reed,K and Wombacher,A 2007
- MOBILE CLOUD COMPUTING by Samad J, Loke S and Reed K. Chap 7 in CLOUD
SERVICES, NETWORKING AND MANAGAMENT (eds da fonseca N.
L. S. and Boutaba R. Wilye Online & April 2015

4. REFEREED MAGAZINE ARTICLES

- A HYPER-TEXT BASED SOFTWARE ENGINEERING ENVIRONMENT (Cybulski and
Reed) IEEE Software, Vol. 9 No. 2, Mar 1992 pp 62-68

5. INVITED KEYNOTE PAPERS AND ADDRESSES, OTHER MAJOR CONFERENCE EVENTS

June 11th 2020 v01.r01

5.1 Keynote Invitations

TECHNICAL DEVELOPMENTS AND THE EDP AUDITOR - ANOTHER ROUND OF TRAUMA? EDPAC 81, the 3rd Australian EDP Audit Conference, May 1981 (KEYNOTE)

THE ROLE OF GOVERNMENT POLICY IN THE DEVELOPMENT OF HIGH TECHNOLOGY INDUSTRY - THE IMPLICATIONS OF THE 1983-84 BUDGET, "Saturday Guest", broadcast nationally ABC Radio, 29/8/1983.

SESSION CHAIRMAN, INTERNATIONAL SESSION, 1983 Japanese Software Industry Association Conference, Tokyo.

THE AUSTRALIAN SOFTWARE INDUSTRY AT THE SERVICE OF THE AUSTRALIAN COMPUTING INDUSTRY ICL Users Conference, October 1983 (KEYNOTE).

DEVELOPMENTS IN INFORMATION TECHNOLOGY, Royal Maintenance Engineering Agency Seminar, May 1984 (KEYNOTE).

THE JAPANESE SOFTWARE INDUSTRY, SPAARC, the HP Users Conference, Nov. 1984 (KEYNOTE).

COMMERCIAL SOFTWARE ENGINEERING, THE WAY FORWARD, The Australian Software Engineering Conference, 1987 May 1987 (KEYNOTE).

WITHER THE AUSTRALIAN INFORMATION TECHNOLOGY INDUSTRIES - A BICENTENNIAL LAMENT, after dinner speech, Building Electronics Conference, the Project Managers Forum Conference, New Parliament House, Canberra ACT March 1988.

THE ORIGINS OF TRANSPORTABILITY, OPENING KEYNOTE PRESENTATION, PICKLAB 1989.

THE IMPACT OF GOVERNMENT POLICY ON DIRECTIONS IN SOFTWARE ENGINEERING RESEARCH Invited keynote Address⁵, TRIADA Conference, San Jose, CA. Oct 1991

SOFTWARE INDUSTRY POLICY FOR THE NEWLY EMERGING ECONOMIES ON THE PACIFIC RIM Invited presentation UNESCO Work Shop on Software Engineering, May 9-10 Melbourne 1992

GOVERNMENT POLICY SETTINGS FOR SOFTWARE ENGINEERING RESEARCH FOR EMERGING ECONOMIES IN THE PACIFIC RIM Workshop on Asia Approaches for Software Engineering, April 23, 1995, Seattle (Sponsored by the Software Engineers Association of Japan (an ICSE-17 Co-Located event)

THE FUTURE OF SOFTWARE ENGINEERING AND RE-ENGINEERING AS SOFTWARE ARCHEOLOGY. Keynote Speech to the 2000 Working Conference on Software Engineering, Brisbane, Nov. 2000

⁵ Other keynote speakers included:- Prof. A. Nico Habermann, CMU and SEI, Frank McGarry, NASA/UMD-SEL, Prof. J. Hext, MaQuarie Univ.,

SOFTWARE ENGINEERING-FROM COTTAGE INDUSTRY TO COTTAGE
INDUSTRY-DOES IT MATTER AND WHAT SHOULD WE DO
ABOUT IT? Keynote speech to the Workshop on Futures in Software
Engineering, APSEC, Dec 2000, Singapore

5.2 Invited Papers

SOFTWARE ENGINEERING, PROBLEMS PROSPECTS AND FUTURES International
Applications of Prolog Symposium, Tokyo, October 1996

NEW TECHNOLOGIES - WHAT ARE THE NEW WEAPONS, The Australian Computer
Abuse Inaugural Conference, Melbourne, June 1989 (invited presentation).

ANZAAS 1987, (The Role of a Professional Association in the Evolution of Technology
Policy).

QUEENSLAND COMPUTER HARDWARE AND SOFTWARE INDUSTRY FORUM,
Surfers Paradise, December 1985.

ANZAAS, 1982

5.3 Session Chairs (Major)

International Industry Reporting Session, Japanese Software Industry Association
Conference, Shinju Ku, Tokyo, Japan, October 1983

6. REFEREED CONFERENCE PROCEEDINGS

INTERFACING WITH THE SOFTWARE INDUSTRY - PART 1 - THE
ORGANIZATION OF CONTRACTED SOFTWARE Proceedings of the
Eight Australian Computer Conference, Canberra, 1978, pp 1439-1449.

INTERFACING WITH THE SOFTWARE INDUSTRY - PART II - SOME
CONTRACTUAL AND LEGAL QUESTIONS AFFECTING
CONTRACTED SOFTWARE Proceedings of the Eight Australian
Computer Conference, Canberra, 1978, pp 1450-1460.

ON A GENERAL PROPERTY OF MEMORY MAPPING TABLES, Proceedings of the
Symposium on Architectural Support for Programming Languages and
Operating Systems, March 1982. (ACM Sigarch Computer Architecture
News, March 1982, Vol. 10 No.2 pp. 81-86).

THE IMPLEMENTATIONS OF A PROTOTYPE OFFICE AUTOMATION SYSTEM
UNDER UNIX (with .E. D. E. Sivies and V.H. Obelt) Proceedings of the
1st Pan Pacific Computer Conference, September 1985, Melbourne, pp
604-616.

A TEST COVERAGE ANALYSER FOR ADA (with L. Wu and V.R. Basili), Proceedings
of the Joint Ada Conference, Washington, D.C. (WADAS) March 1987.

EXPERIENCE WITH A PROJECT ORIENTED COURSE IN SOFTWARE
ENGINEERING (with V.B. Ciesielski and J.L. Cybulski) Proc. Australian
Software Engineering Conference 1988 pp. 125-131.

AN UNDERGRADUATE SOFTWARE ENGINEERING MAJOR EMBEDDED IN A
COMPUTER SYSTEMS ENGINEERING DEGREE K. Reed and T.S.
Dillon) Proc. Software Engineering Education SEI Conference 1990
Pittsburgh Penn. USA April 1990, L.E. Deimel (ed) LNCS 423 pp. 49-66.

A FIRST YEAR SOFTWARE ENGINEERING COURSE, Proc. ASWEC 1990 , The Fifth
Australian Software Engineering Conference 1990: Proceedings, The; pp.
235-240. Edgecliff, N.S.W.: Institution of Radio and Electronic Engineers,
Australia," May 1990

PROTRACT: A COMPUTERISED TOOL FOR TRACKING SOFTWARE
DEVELOPMENT USING EVENT BASED ACTIVITY
SPECIFICATIONS Proc Australian Software Engineering Conference
1993, Sydney (Cleary, D.C and Reed,K).

WHY IS IT SO HARD TO DEFINE SOFTWARE ARCHITECTURE? Proc. Asian-Pacific
Software Engineering Conference Taipei, ROC, December 1998, pp 28-36
(J.Baragry and K. Reed)

COMPUTER-ASSISTED ANALYSIS AND REFINEMENT OF INFORMAL
SOFTWARE REQUIREMENTS DOCUMENTS Proc. Asian-Pacific
Software Engineering Conference Taipei, ROC, December 1998, pp 128-
135 (Cybulski and Reed)

- WHY WE NEED A DIFFERENT VIEW OF SOFTWARE ARCHITECTURE. IEEE/IFIP Working Conference on Software Architecture August 2001, Amsterdam (Baragry and Reed)
- ON THE EFFECTIVENESS OF MUTATION TESTING ANALYSIS AS A BLACK BOX TESTING TECHNIQUE, Proceedings of the Australian Software Engineering Conference IEEE-CS Press, Canberra, August 2000, pp. 12-20 (Murnane, M. and Reed, K.)
- ON THE ISSUE OF ARCHITECTURE-PRESERVING METHODOLOGIES AND THEIR IDENTIFICATION. Position paper, ICSE 2002 Workshop on SARA Software Architecture Review and Assessment May 19 2002 Orlando [Reed, K., and Baragry, J. (2002)].
- TOWARDS A TAXONOMY FOR GUIDING MULTIMEDIA APPLICATION DEVELOPMENT Proc. Asian Pacific Software Engineering Conference, Gold Coast, December 2002 [Hannington and Reed] pp. 97-108
- COCOMO-Based Effort Estimation for Incremental Software Development SQM 03, Glasgow, April 2003 [Benediktsson, O, Dalcher, D. , Reed, K. and Woodman, W] (re published in SQJ..)
- AGILE MANAGEMENT OF UNCERTAIN REQUIREMENTS VIA GENERALIZATIONS: A CASE STUDY, [Reed, K; Damiani, E; Gianni, G.; and Colombo, A]. Proceedings of the 2004 workshop on Quantitative techniques for software agile process, Newport Beach, California, 2004, pp. 40-45
- A PRELIMINARY SURVEY ON SOFTWARE TESTING PRACTICES IN AUSTRALIA [S.P. Ng, T. Murnane, K. Reed, D.D. Grant, T.Y. Chen] Proceedings of The Australian Software Engineering Conference, 2004, pp. 116-125
- TOWARDS DESCRIBING BLACK-BOX TESTING METHODS AS ATOMIC RULES Murnane, T., Hall, R. and Reed .K. 29th Annual International Computer Software and Applications Conference (COMPSAC'05) IEEE Press Edinburgh, Scotland July 2006 Volume 1 pp 437-442
- TAILORING OF BLACK-BOX TESTING METHODS Proc. Australian Software Engineering Conference 2006, IEEE Sydney April 2006 [Murnane, Reed and Hall] Sydney, Australia, April 18-21, pp. 292-299
- PRELIMINARY RESULTS FROM, A SURVEY OF MULTIMEDIA DEVELOPMENT PRACTICES IN AUSTRALIA Proc. Product Focused Process Improvement (PROFES 2006) (Springer LCNS 4034) Amsterdam, June 2006 pp. 192-207
- HERMES: A XML-BASED ENVIRONMENT FOR FLEXIBLE REQUIREMENTS MANAGEMENT. [Colombo, A. Damiani., E; Marconi, R and Reed, K] (2006). Proceedings Emerging Trends and Challenges in Information Technology Management: 2006 Information Resources Management Association International Conference, Washington DC USA May 21-24, 2006.
- REPRESENTING AND VALIDATING DIGITAL BUSINESS PROCESSES Bodenstaff L, Ceravolo P, Damiani, E. Fugazza C., Reed K. and Wombacher A. Proc Third International Conference Web Information Systems and Technologies, WEBIST 2007, Barcelona, Spain, March 3-6, 2007 pp. 219-246

- FACTORS ON MULTIMEDIA PROJECT AND PROCESS MANAGEMENT - SURVEY FINDINGS, Hannington A and Reed, K, Proc. Australian software Engineering Conference, ASWEC 2007, April 2007, pp. 379-388
- ON THE LEARNABILITY OF TWO REPRESENTATIONS OF EQUIVALENCE PARTITIONING AND BOUNDARY Value Analysis Murnane, T, Hall, R. and Reed, K Proc. Australian software Engineering Conference, ASWEC 2007, April 2007, pp. 274-283
- ASSESSING BUSINESS PROCESS SECURITY AWARENESS: A SERVICE-ORIENTED APPROACH Fugini, Mariagrazia; Damiani, Ernesto and Reed, Karl Proceeding Americas Conference on Information Systems (AMCIS) 2007 Paper 89 (<http://aisel.aisnet.org/amcis2007/89/>).
- ENFORCING AND MONITORING COMPANY POLICIES ON BUSINESS PROCESS ORCHESTRATIONS. Ceravolo, P. Fugazza., C and Reed, K. Proceedings IEEE International Conference on Digital Ecosystems and Technologies, Phitsanulok, Thailand, Feb. 2008 pp. 65-70.
- THE USE OF A META-MODEL TO SUPPORT MULTI-PROJECT PROCESS MEASUREMENT. [A. Colombo, E. Damiani., Fulvio Frati, Sergio Oltolina, Karl Reed, and Gabriele Ruffatti (2008).]Proc. Asian Pacific Software Engineering Conference 2008, December, Beijing, pp. 503-510.
- INTEGRATING GLOBAL AVIATION DATA WITH TEMPORAL AND SPATIAL WEATHER INFORMATION. Rusu, L.I., Rahayu, W., Torabi, T., Puersch, F., Taylor Harris, A. and Reed, K. (2010), *Australasian Transport Research Forum (ATRF 2010)*, Canberra, Australia, vol. 1, pp. 1-18.
- CROSS PRODUCT LINE REUSE IN COMPONENT-BASED SOFTWARE ENGINEERING, Liu, Y., Nguyen K., Witten M. and Reed K., Proceedings of the 2010 International Conference on Computer Application and System Modeling (ICCASM 2010) 22-24 Oct. 2010 Taiyun China pp. V9-427 - V9-434
- QUANTATIVE RISK ANALYSIS FOR MOBILE CLOUD COMPUTING: A PELIMINARY APPROACH AND A HEALTH APPLICATION CASE STUDY Samad. J, Loke S. and Reed K. Proceedings of the 12th IEEE International Conference on Ubiquitous Computing and Communications (IUCC-2013), Melbourne, Australia.
- TASK-DRIVEN SOFTWARE SUMMARIZATION, Binkly D., Lawries D., Hill E., Burge J., Harris J., Hebig R., Keszocze O., Reed K. and Slankas J. Proc. 29th International Conference on Software Maintenance (ICSM), Sep 22-28 2013 pp. 423-435

7. REFEREED WORKSHOP PROCEEDINGS

EXAMINATIONS IN SOFTWARE ENGINEERING FROM THE BACHELOR OF COMPUTER SYSTEMS/BACHELOR OF SCIENCE/GRADUATE DIPLOMA/ADVANCED GRADUATE DIPLOMA, Department of Computer Science and Computer Engineering, La Trobe University in SOFTWARE ENGINEERING RESOURCES, Proc. of ACM/IEEE International Workshop on Software Engineering Education, Sorrento, May 1994

ON THE ISSUE OF ARCHITECTURE-PRESERVING METHODOLOGIES AND THEIR IDENTIFICATION in Methods and Techniques for Software Architecture Review and Assessment, ICSE 2002 Workshop, May 19th 2002 Orlando (with Baragry)

AGILE MANAGEMENT OF UNCERTAIN REQUIREMENTS VIA GENERALIZATIONS: A CASE STUDY (2004) . Reed, K. Damiani, E;Gaianni,G and Colombo,A Proceedings of the 2004 workshop on Quantitative techniques for software agile process co-located with SIGSOFT/Foundations of Software Engineering, Newport Beach, CA,USA, ACM.

Evolvable Software as Equivalent Agile Development When Dealing With Uncertain Requirements - The Contraction of Generality. [Reed, K. , Damiani, E and Gaianni,G (2004).]Agile Methods for Software Production-MAPS Workshop co-located with ACM SIGSOFT 2004/FSE-12 Newport Beach, CA – USA October 31 - November 5.

8. UNREFEREED CONFERENCE PROCEEDINGS

PRACTICAL METHODS OF COMPARING COMPUTER BUREAU COSTS, Proceedings of Victoria Branch of the Australian Computer Society Professional Development Seminar "Cost-Effective Computing", 29-31 August 1975.

ECONOMIC FACTORS IN USING PRIVATE SOFTWARE SERVICES, Proceedings of "Soft-where, Soft-why, Soft-how, Australian Computer Society S.I.C. Seminar:, July 1976.

THE RANGE OF SERVICES THE PRIVATE SOFTWARE INDUSTRY HAS TO OFFER, Proceedings of "Soft-where, Soft-why, Soft-how, Australian Computer Society S.I.C. Seminar", June 1977.

SOFT-WHERE, SOFT-WHY, SOFT-HOW, Proceedings of the First Annual Conference, Queensland Branch, Australian Computer Society, 1977.

RESOURCE ACCOUNTING FOR PERFORMANCE PLANNING, Proceedings of Victorian Branch Australian Computer Society PDW12 "Computer Performance Evaluation" August 1979.

A PROGRAM FOR THE PROMOTION FOR A COMMERCIALY VIABLE A.I. INDUSTRY, Proceedings of the National Expert System Workshop, May 1987.

June 11th 2020 v01.r01

SE workshop Seattle 1998

GRADUATE SOFTWARE ENGINEERING EDUCATION IN AUSTRALIA, A BRIEF SUMMARY Intl. Workshop on Software Engineering Education, (in conjunction with the ICSE) Kyoto, April 15 1998, *Opening and only major presentation*

SOME ISSUES IN THE ENGINEERING OF WIDELY DEPLOYED SOFTWARE INTENSIVE SYSTEMS-FUNCTIONAL VARIATION report of the European Commission-US National Science Foundation Strategic Research Workshop "Engineering Software-Intensive Systems" Edinburgh, UK, 22-23 May 2004 PP25, 86-91

9. CONFERENCE PANELS

IMPACT OF COOPERATIVE R & D ON FUTURE TRENDS IN SOFTWARE TECHNOLOGY, Panel, IEEE Compsac Conference, October 1987, Chairman.

PRACTICAL SOFTWARE ENGINEERING EDUCATION, Panel IEEE Compsac Conference, October 1987.

SOFTWARE ENGINEERING DEVELOPMENT IN THE ASIA PACIFIC, Plenary Panel, 10th International Conference on Software Engineering, Singapore April 1988.

THE PERFECT COMPUTER CRIME - "HYPOTHETICAL PANEL CASE STUDY", The ACARB, June 1989.

SOFTWARE ENGINEERING HYPOTHETICAL, panelist, ASWEC 1990 Computer A Abuse Inaugural Conference, Melbourne June 1989.

FORMAL METHODS AS A BASIS FOR SOFTWARE ENGINEERING EDUCATION panelist, ICSE14, May 1992 Melbourne

PANELIST, NATIONAL TRAINING COUNCIL WORKSHOP ON MICROELECTRONICS AND INFORMATION INDUSTRY TRAINING, Canberra, September, 1983.

PANELIST, NATIONAL SYMPOSIUM ON LEGAL PROTECTION OF COMPUTER SOFTWARE, Canberra, April 1984.

PANELIST, "Software Engineering in the Aisa Pacific Region" JOINT JAPANESE KOREAN SOFTWARE ENGINEERING CONFERENCE, FUKUOKA NOV.1993

PANELIST "Special Session: Software Engineering in Asia and Pacific - Looking Back and Looking Forward" First Asian Pacific Software Engineering Conference, Tokyo, December 1994

PANELIST "Do we have software Engineering", Second Asian Pacific Software Engineering Conference, Brisbane, 1995

PANELIST "Formal Methods" Australian Software Engineering Conference, Melbourne July 1996,

PANELIST "Java and Software Engineering" Australian Software Engineering Conference, Sydney September 1997

PANELIST "How Can We Conduct Software Engineering Research" Asian-Pacific Software Engineering Conference Taipei, ROC, December 1998.

"How Can We Solve the Y2K Problem" Asian-Pacific Software Engineering Conference Taipei, ROC, December 1998.(Panel Chair)

10. PAPERS IN UNREFEREED PUBLICATIONS

TESTING, TESTING, TESTING Information Age, AprilMay 2002 pp 56-58

THE EVOLUTION OF RISC, US Computer World Indepth, Jan. 12, 1987

REPORT ON THE ACM SIGSOFT/SIGPLAN SOFTWARE ENGINEERING SYMPOSIUM ON PRACTICAL ENGINEERING ENVIRONMENTS, ACM Sigsoft Software Engineering Notes, January 1987.

THE JAPANESE COMPUTER INDUSTRY, Australian Computer Bulletin, November 1984.

THE AUSTRALIAN SOFTWARE INDUSTRY 1978-1979 (with A. Warman), Australian Computer Bulletin, Vol. 5 No. 2, March 1981.

THE WAY FORWARD IN COMPUTER ARCHITECTURE RESEARCH, ACM Sigarch Computer Architecture News, Vol. 8 No. 7 Dec. 1980 pp 3-7.

AN INITIAL ESTIMATE OF THE IMPORTANCE OF THE ELECTRONIC DATA PROCESSING INDUSTRY Australian Computer Bulletin, Vol. 4 No. 10, Nov. 1980, pp. 9-10.

PROFESSIONAL ETHICS - AN ESSAY ON THE COMPUTER INDUSTRY, Australian Computer Bulletin Vol. 3 No. 6 July 1979 pp. 6-9 (Also presented as Invited lecture, NSW Australian Computer Society Branch Conference, Terrigal, Nov. 1978).

SOME UN-EDITED NOTES ON SOFTWARE TOOLS, Australian Computer Society
Bulletin (Victorian Branch) April 1978 pp. 8-11.

11. TECHNICAL REPORTS

JUMP TABLES - A DIFFERENT APPROACH, X/Mxd 186 Ue, L.M. Ericsson Stockholm,
1970.

POSSIBLE USES FOR THE DGV (with F. Stepchovic), P/Yx - PD 1652, L.M. Ericsson
Glenroy, 1973.

MPC AND GV3 CENTRAL PROCESSOR - GENERALITY AND ALTERNATIVES, P/Yx
- PD 1926, L M Ericsson Glenroy, 1973.

SOURCE LANGUAGE SPECIFICATION (FOR A BLOCK STRUCTURED
ASSEMBLER), P/YX - PD 1818, L.M. Ericsson Glenroy, 1973.

PROTECTION PROBLEMS IN DEDICATED REAL-TIME SYSTEMS, P/YX - PD 1854,
L.M. Ericsson Glenroy, 1973.

COMMENT ON I/O STRUCTURE FOR EPA/MIMI OR HOW TO GET EVERYTHING
FOR NOTHING, P/Yx - PD 1882, L.M. Ericsson, Glenroy, 1974.

SIMPLIFICATION OF THE TWO-WORD PROBLEM IN THE ASDP-161 ASSEMBLER,
P/YX - PD 1961, L M Ericsson Glenroy, 1974.

A SOLUTION TO A PROBLEM IN THE INTERRUPT HANDLING , P/.Yx - POD 2086,
L.M. Ericsson Glenroy, 1974.

PRELIMINARY SPECIFICATION FOR A LINKAGE, P/Yx - PD2283, L.M. Ericsson
Glenroy, 1975.

SYNTAX UPDATE PROPOSALS FOR EPASS I,P/YX - PD 2340, L.M. Ericsson
Glenroy, 1975.

A TECHNIQUE FOR IMPLEMENTING BUS-MEMORY PARITY ON A SMALL CPU,
P/Yx - PD 2394, L.M. Ericsson Glenroy, 1975.

Yxk PROPOSAL FOR AN APN 162 CONCENTRATOR FOR FRONT-END AND RJE
USE, P/YX - PP 1185, L.M. Ericsson Glenroy, 1975.

A PROPOSAL FOR A SIMPLE FORM OF MEMORY MANAGEMENT, P/Yx - PD
2400, L.M. Ericsson, 1975.

POSSIBLE PROBLEMS WITH IEEE ASCII BUS, P/Yx - PD 2420, L.M. Ericsson, 1975.

COMMENTS ON THE APN 162 MARKET SURVEY, P/Yx - PP 1194, L.M. Ericsson, 1975.

AN OUTLINE OF A KNOWLEDGE ACQUISITION BASED APPROACH T SOFTWARE
PROJECT PLANNING Department of Computer Science and
Computer Engineering TR 6/91 April 1991

Extending Visual Programming: Graphical Component Based Design" AAITP Technical
Report TR029 1994 (Baragry and Reed)

DETRACT: A Design TRACking Tool Tool , Torabi and Reed, AAITP Technical Report
TR028 1993

Building Testable Software (With Zucconi) Technical Report No. 4/95, March 1995,
Department of Computer Science and Computer Engineering, La Trobe University,.

11.1 WORKING PAPERS FOR THE TAME PROJECT, DEPARTMENT OF COMPUTER SCIENCE, UNIVERSITY OF MARYLAND, COLLEGE PARK

REQUIREMENTS DOCUMENT for TAME (TOOLS FOR AN ADA MEASUREMENT ENVIRONMENT) (with V.R. Basili, M. Daskalantonakis, A. Delis, D. Doubleday, L. Mark, H.D. Rombach, D. Stotts, J.A. Turner, S. Wang, and S. Xiao-Hong, TAME- TR-2 1986 Department of Computer Science University of Maryland College Park, MD 20742 Dec. 1986.

INTERFACING APSE TO AN ADA MEASUREMENT ENVIRONMENT, October 1986.

AN ADAPTABLE ACCESS CONTROL SYSTEM FOR AN EVALUATION ENVIRONMENT (with D.P. Stotts), October 1986

II. SUBMISSIONS TO GOVERNMENT

(Major or sole author, list not complete)

SUBMISSION BY THE ACS-SIC TO THE IAC INQUIRY INTO EDP EQUIPMENT AND PARTS 1974 (Ed., and major author).

SUBMISSION BY THE ACS-SIC TO THE CAMPBELL COMMITTEE OF INQUIRY INTO THE AUSTRALIAN FINANCIAL SYSTEM 1981 (Sole author).

SUBMISSION BY THE ACS-SIC TO THE VICTORIAN GOVERNMENT COMPUTER INDUSTRY ADVISORY GROUP 1981.

SUBMISSION BY THE ACS-SIC TO THE SENATE STANDING COMMITTEE ON SCIENCE AND THE ENVIRONMENT 1981 (Sole author).

SUBMISSION BY THE ACS-SIC TO THE IAC INQUIRY INTO COMPUTER HARDWARE AND SOFTWARE ETC. 1983 (James, Ed. - one of eight joint authors).

A Software Engineering Institute for the Victorian Software Industry "Removing the constraints" Dec 1996-2001, series of proposals and reports

[Submission to The Productivity Commission Inquiry on Australia's Automotive Manufacturing Industry 2013 V.04](#)

III. OTHER PAPERS AND REPORTS, UNREFERRED

[Call for a study of the feasibility of a program for multiple 1 million person Regional Growth Centres by 2045](#) (Orig. submission to The Hon Simon Crean, Minister for Decentralisation's adviser, 1/9/2012

[Press Release "Computer scientist calls for urgent 'three-prong action' to control State Internet surveillance" 7 Nov. 2013](#)

III. SUBJECTS TAUGHT AT RMIT AND LA TROBE UNIVERSITY

1 Undergraduate Level, RMIT

Subject	Name	Year	Years Taught
CS100	Programming Principles	1st	1979
CS190	Assembly Language Programming	1st	1979, 1980, 1981
CS120	Computer Architecture	1st	1979-1988
CS180	Applied Programming Practices	1st	1979
CS100	Microprocessor Project	2nd	1980-1987
CS220	Applied Systems Programming	2nd	1980, 1981, 1987
CS260	Quantitative File Design	2nd	1980
CS280	Software Engineering I	2nd	1980-1988
CS380	Software Engineering II (Also CS381)	3rd	1981-1988
CS387	Software Engineering II	3rd	1981-1988
CS385	Industrial Projects	3rd	1980-1988
CS485	Dissertation	3rd	1981-1985

2 Graduate Level, RMIT

CS830	Current Computing I	Gr. Dip	1979-1983
BIS009	Information Technology Industry and Industry Policy	M.I.Tech	1989-1992

3 Undergraduate Level, La Trobe University

Subject	Name	Year	Years Taught
CS1SE	Software Engineering	1st	1989
CS3SE	Software Engineering	3rd	1989
CS3SDT	Software Description Techniques	3rd	1990-1995
CS3SRT	Testing, Security and Reliability	3rd	1993,1994,1995,1998-2007
CS3STM	Software Technology and Metrics	3rd	3 rd 1996-2001

4 Graduate Level, La Trobe University

Subject	Name	Year	Years Taught
CS4SE	Software Engineering	4th/M	1989-1993
CS4SPM	Software Project Management	4th/M	1996-2007
CSE4STC	Software Tools and CASE	4th/M	1997,1998
CSE41SST	Software Specification Techniques	4th/M	1999
CSE42SQR	Software Quality and Reliability	4 th /M	2003
CSE42CSE	Component Based Software Engineering	4 th /M	2003-2007

IV. EDITORSHIPS, EDITORIAL BOARDS AND REVIEWING ACTIVITIES

Consultant Editor, Computer World Australia, July 1978 -May 1995

Consultant Editor, Computer Week Australia, June 1995-

Reviewer, Joint Ada Symposium, Washington, March 1987 (WADAS)

Reviewer, Software Engineering Laboratory Conference (NASA and U. of Md). Dec. 1986.

Reviewer, IEEE Transactions on Software Engineering 1987, 1992.

Reviewer, IEEE COMPSAC 1987.

Reviewer, Australian Conference on Operations Research (1987)

Reviewer, IEEE COMPSAC 1988.

Reviewer, IFIP 89.

Reviewer, IEEE-International Conference on Software Engineering, 1989.

Reviewer, Addison-Wesley Australia, (1 book, 1989).

Reviewer, IEEE Transactions on Software Engineering 1990.

Reviewer, IEEE-International Conference on Software Engineering, 1990.

Reviewer, IEEE-International Conference on Software Engineering, 1991

Reviewer, IEEE-Software Special Issue on Improving the Software Process through Measurement(1994).

Reviewer, IEEE-Computer, 1997

Assessor, ERA Peer Reviewer 2010,2012

Referee, IEEE-Transactions on Software Engineering, 2007

Referee, ARC Discovery Grants for 2008

Assessor, ARC 2001,2012,2013

Assessor, ARC Peer Review, 2012

Reviewer, Big Data Threat Landscape, Good Practice Guide enisa-European Union Agency For Network And Information Security, January 2016

V. RESEARCH SUPERVISION (not complete)

1. Wye Tang, MSc (Provisional), RMIT Dept. of Computer Science 1986-1987(with drew).
2. Steve Iatropolous, MSc, RMIT Dept. Inf. Sys. 1989 - "Computer Based Project Scheduling " (Amdahl Australian Intelligent Tools Project)(with drawn).

June 11th 2020 v01.r01

3. L. Zhang, PhD, La Trobe University Dept. Computer Science 1988-1992(candidature cancelled)- "An Event Based Configuration Management System" (Amdahl Australian Intelligent Tools Project)
4. S. Lukaitus, MSc Prelim, La Trobe University, 1989 (with drawn)- "Relational Aspects of Software Design"(withdrew)
5. D. Jitnah, Hon Thesis, La Trobe University, 1990, "Hypertext as a System Development Aid" (Amdahl Intelligent Tools Project)(completed)(H2)
6. T. Hoa, Hons Thesis, La Trobe University, 1990, "Optimum Development Platforms for CASE Systems" (Amdahl Australian Intelligent Tools Project)(completed)(H2)
- 7. J.L. Cybulski, PhD La Trobe University,(awarded) 2001 - , "Natural Language Applications to Software Development" (Amdahl Australian Intelligent Tools Project).**
8. J. Newman, MSc Prelim, La Trobe University, 1990 - (withdrawn).
9. D. Cleary, PhD, La Trobe University, 1991- "Automated Design Tracker for CASE Tools"(withdrew)
10. J. Philcox, MSc, La Trobe University, 1991- "NLP for CASE Tools" (withdrew)
- 11. T. Torabi, PhD, La Trobe University, 1992- "Recording and Tracking of Software Design Reasoning" Transferred**
12. C. Wignall, Hons , 1991 "Distributed Support for Graphics in a CASE Environment" (completed)(H1)
13. K. Alldrit, Hons, 1991 "Configuration Management for Hypertext"(completed)(H1)
14. M. O'Keeffe, Hons, 1991 "An Experimental Verification of Metrics in a Maintenance Situation"(completed) (H1)
- 15. J. Baragry, PhD (awarded 2001) "Understanding Software Engineering: From Analogies With Other Disciplines To Philosophical Foundations.**
16. M. Cooper, Masters by Coursework thesis. "Hypertext Navigation for HYPERCase" (Completed 1996)
17. M. Harbottle, Hons, 1995 "Tailored data Access Control System"(H2)
18. P. Bettels, Hons, 1996-97 "Slicer for the Language HURON"(H1)
19. S. Trans, Hons. 1996 "Fire Walls and data access control"(H2)
20. D.V. Lay Hons 1997 "Email Survey"(H2)
21. N.P. Nicolaou Hons 1998 "Data Security", (H2)
22. J. Salzke Hons 1998 "Breadth First Parsing" (H1) (with Dr. J. Ophel)
23. M. Dabal Hons 1998 "Navigation Map and History Support Tools for Web Browsing" (H2)
23. C. Mulready Hons 1999 "Measuring Web Site Usability" (H1)

24. S. Stephan 1999 Hons “Time-to-Market-Reducing Software Process Development Time” (H2)
25. A. McNabb 1999 Hons “Design Reasoning / Recording – Can it be Applied to Web Browsing?” (H2)
26. T. Murnane Hons “Proposed Model for Performing and Evaluating Specification Based Mutation Analysis” (H2)
28. N.Kuringis (MS CourseWork Thesis) “Design and Implementation of a Language Processor Using Compilable Restricted Grammar For English / Pidgin” 2001
- 29.M. Pocock Hons 2004 “The Small Page Web Presentation System”
30. X, Lou Hons 2006 “development for product line-capable systems”
31. D Reed Hons 2005, “Temporal Issues in Black Box Testing”
32. C Purdy, Hons 2005 “taxonomies as a tool in gqm”
33. D. Oberoi, Hons 2005 “informal language in specifications”
34. A. Bishop, Hons 2005 “development for product line-capable systems-a case study”
35. E Riesham, Hons 2005 “THE USE OF NUDIST IN REQUIREMENTS ANALYSIS”
36. N. Merret, Hons 2005 “E-mail Usage Survey and Analysis”
- 37. T. Murnane PhD 2001- “Atomic Basis for Black Box testing” (R. Hall co-supervisor) (submitted Oct 2009)**
38. A. Hannington, PhD 2001-(withdrew) “The Relationship Between Process Models and Estimating for Software Development and Multi-Media Projects”
39. Sabal, S Hons 2006 “The KABASPP model as a means of understanding software process models’ (H2)
40. Nguyen Hons 2004 “Automotive Engines as an Example of Component Base Reuse”
41. Ismail, S 2008 “Organisational Resilience” Co-Supervisor with Dr. Carl Gibson, Dr. Jin-Li Cao Prin., Sup
- Samad, J 2008- “ Context Aware Risk Model for Mobile Clouds” Co-supervisor, Assoc. Prof. Seng Loke Pri. Sup.
- 42 Shalinka Jayatilleke “A method of Requirements Change Management” Co-Supervisor (to be confirmed) with Assoc. Prof. Richard Lai Prin Sup

V. REGULAR WRITING

NO NAMES, NO PACK DRILL, nom-de plume "Bushwhacker", fortnightly, pacific computer weekly, August 1975, June 1978

AN ESSENTIAL REED, column appearing in Computer World, weekly from July 1978 to 1981, then fortnightly to 1992, then monthly.

June 11th 2020 v01.r01

AN ESSENTIAL REED, column appearing fortnightly in Computer Week, from June
1995-Feb 1998

FROM YOUR TECHNICAL COUNCIL-IEEE-CS TCSE Column in IEEE Software, 2005-

VI. SERVICE

1. PROFESSIONAL

1.1 OFFICES AND COMMITTEE MEMBERSHIPS

1. Chairman, Engineering Computers Users Group, 1965,66,67.
2. National Chairman, Australian Computer Society-Software Industry Committee 1974.-1989
3. Foundation Chairman, Australian Computer Society-Software Industry Association, 1986-1988.
4. Member, Executive Committee, Victorian Branch Australian Computer Society 1976-77.
5. Chairman, Software Engineering Stream, 1st Pan Pacific Computer Conference, Sept. 1985.
6. Member, Program Committee IEEE COMPSAC, TOKYO 1987
7. Member, Program Committee IEEE COMPSAC, CHICAGO 1988
8. Member, Program Committee IEEE COMPSAC, FLORIDA, 1989
9. Member, Program Committee IEEE ICSE, PITTSBURG 1989
10. Member, Program Committee IEEE ICSE NICE 1990
11. Member, Program Committee IEEE ICSE, AUSTIN 1991
12. Interim General Chair IEEE ICSE14, Melbourne 1992⁶ (1989-1990)
13. Program Coordinator, IEEE ICSE14, Melbourne 1992
14. International Co-chair, ACM Computer Science Conference, 1991
15. Member EXCOM, IEEE-Computer Society Technical Committee on Software Engineering
16. Foundation Joint President, Software and Services Industry Federation of Australia 1987-1988.
17. Vice-President, Software and Services Industry Federation of Australia 1988-1989
18. Vice-Chairman, Victorian Branch, Australian Computer Society, 1988-1989
19. Member, Branch Executive Committee, Victorian Branch, Australian Computer Society Inc.
20. Jan. 1990)
21. Director, Australian Computer Society's Technical Board (Computer Systems Engineering and Software Engineering) 1991-2006

⁶ Prepared and presented the successful bid at the 1989 ICSE in Pittsburgh.

22. Chairman, Victorian Branch, Australian Computer Society (1990)
23. Program Co-Chair CASE93 (International Workshop on Computer-Aided Software Engineering July 19-23, 1993)
24. Member of the Board, International Workshop on CASE (1993-)
25. Foundation Member, Steering Committee, Asian Pacific Software Engineering Conference
26. Member, PC and Organising Committee, IWCASE95
27. Member, Organising Committee, ACTS 1995
28. Member, Program Committee, International Conference on Requirements Engineering
29. Interim Chairman, ACS Software Engineering Research Consultative Council (1995-)
30. President, International Workshop on Case,1996-
31. Member, Intermim Board , Indigenous Information Industry Group (July, 1995)
32. Member, Board , Indigenous Information Industry Group (July, 1995)
33. Governor, Institute of Electrical and Electronic Engineers-Computer Society, 1997-1999, 2000-2002
34. Member at large, IEEE-CS Standards Activities Board, 1997-98
35. Member at large, IEEE-CS Membership Activities Board, 1997-98
36. Member at large, IEEE-CS Technical Activities Board, 1997-98
37. Member at large, IEEE-CS Audit Committee, 1998-1999
38. Member at large, IEEE-CS Nomination, 1998
39. Member IEEE-CS/ACM Software Engineering Coordinating Committee (1999-2001) representing IEEE-CS Technical Council on Software Engineering)
40. Chair, IEEE-CS Technical Council on Software Engineering, 2000-2002,2002-2004
41. Member, Program Committee PROFES 2004,2005,2006,2007,2008,2009
42. Member Program Committee APSEC 2006
43. Member Steering Committee ICSE 2000-2016
44. Member, Steering Committee ASWEC, 2002-2016
45. Member, Program Committee SPLC 2007 (International Product-Line Conference)
46. Member, Program Committee, 6th International Workshop on Web Site Evolution 2004
47. Member, Program Committee, ASWEC 2007
48. Member, Program Committee APSEC 2011

49. Member, Program Committee APSEC 2012
50. Member, Program Committee, 2nd SEMAT Workshop on General Theory of Software Engineering at ICSE, 2013
51. Chair, IEEE-CS Distinguished Educator Award 2015,2016
52. Convener, ACS Victorian Branch Policy Committee June 2015-Dec 2016
53. Member, ACS Victorian Branch Policy Committee June 2015-

1.2 GOVERNMENT COMMITTEES

1. Victorian Government Computer Industry Advisory Group 1981
2. National Schools Advisory Committee on Computers in Schools - Technical Working Party on Software.
3. CSIRO Task Force on Software Engineering 1983 (lead to the formation of the CSIRO Division of Information Technology)
4. National Training Council - Standing Committee on Training for Advanced Technology - Computer Education Working Group (1984-1984)
5. Member, search panel for staff for CSIRO Division of Information Technology
6. National Information Technology Council (1986 -)
7. Australian Standards Association Committee on Software Quality Assurance (1986 - 1988) AS 3563-1988
8. Member, Information Industry Foundation Training Foundation Steering Committee (sponsored by Federal Department, Education and Training) 1987 -
9. Chairman, Advisory Committee, Victorian Government Department of Industry Technology and Resources Advanced Software Project, 1988
10. Member, Advisory Committee, Victorian Government Department of Industry Technology and Resources Software Export Grants Scheme, 1989
11. Member, Advisory Committee, Victorian Government Department of Industry Technology and Resources Software Export Grants Scheme, 1990
12. Member, DITAC working party on Future Directions in the I.T. Industry
13. Member, Victorian Government Task Force on I.T. Industry Policy, (1993-)
14. Member, Department of Industry Science and Technology Steering Committee on the formation of Software Engineering Institute (Apr. 1995-)
15. Member, Steering Committee for the Software Engineering Australia Victorian Node Jan. 1998-June 1998
16. Initiator and Chairman, Victorian Software Engineering Institute Working Party (Dec 1996-).
17. Member, Board, Software Engineering Australia Victorian Node June 1998 (inc. Dec. 1998)

1.3 MAJOR COURSE DEVELOPMENTS

1. (1977) Development of the 1979 RMIT Bachelor of Applied Science in Computer Science (Committee member).
2. (1989) Development of La Trobe University Bachelor of System Engineering Degree, (major author with Prof. T. Dillon)

2. PROFESSIONAL SOCIETY MEMBERSHIP

Fellow, Australian Computer Society (1983), Honorary Life Member, 1990

Member, IREE (ceased 1990)

Fellow I.of E. (Aust.) July. 1995

Member, Australian Computer Society-Software Industry Association

Member, Technical Council on Software Engineering (TCSE) 1996-2019

Member, CORE Awards Committee

Member, TCSE Awards Committees, Chairs Education award

Member IEEE

3. HONOURS

Distinguished Service Award, CORE (Australia), 2007⁷

Meritorious Service Award, IEEE-CS, Service to the TAB Exec, 20 Feb. 2003

Murton Award for Outstanding Service, Victorian Branch of ACS, 2000

IEEE Third Millenium Medal

IEEE-CS Golden Core (Dec. 1997)

Life Member, Australian Computer Society (1990)

Honorary Computer World Fellow 1987

Life Member, Australian Software and Services Industry Federation of
Australia 1989

4. UNIVERSITY SERVICE-LA TROBE

Member, Academic Board	2004-2007
President, NTEU	1999-2002
Science Based Promotions Committee	At least two occasions

VII. GRANTS AND GIFTS

1. SOFTWARE

Austec Australia, (1985) ACEGEN (4GL), ACECOBOL, ACEBRIDGE (est. value \$40,000)

BBJ (1985) TODAY (4GL) (est. value \$25,000)

Software Solutions (1985) Softool Corp Configuration Control Manager, Fortran Program
Development Environment (est. value \$80,000)

2. GRANTS

⁷ (<http://www.core.edu.au/>)

DITR (1986) Grant to support participation in ASA Software Quality Assurance Committee
(\$6500)

3. PRIZES OBTAINED FROM EMPLOYERS FOR STUDENTS

DATEC (Continuing) 2 x \$1000 Prizes to be awarded to second year Software Engineering Students. (1984/85/86)

GNA (1986) \$2500 to be allocated as support for the (RMIT's) Department's seminar program.

4. SCHOLARSHIPS

Melbourne Systems Group \$15,000 p.a. to Dept. for MSc scholarship. (1986/87)

5. CONTRACTS

Career Total... A\$2.1M in cash and A\$1.7M in Kind

Amdahl Australia, (1990-1993) A\$880,000 + equipment,

Amdahl Australia, (1994-1996) A\$909,000. The Amdahl Australian Intelligent Tools Programme, final value was about \$3.4M consisting of \$1.7M for research plus \$ 1,68M in equipment⁸ for research in to commercial software engineering tools, and teaching in software engineering.

Airservices Australia (negotiated for the XML group, not Reed's research directly). A\$430,000 cash over two years plus A\$60,000 in kind

VIII. CONSULTING

International Data Group, Consultant Editor (1978 -)

F.R. Dawson and Sons, Expert witness (1986)

Caple-Bryce, research evaluation (1985)

G. Farley and Assoc., Technical evaluation of CPU design (1979)

Victorian DITR, Investigation of Japanese market (1984)

Austrade, Investigation of Japanese market (1986)

GNA Computing, advice on general marketing and management (1985, 1986, 1987)

BBJ, advice on Japanese market and on R & D grants (1988)

Real World Software, advice on R & D funding and negotiations

AMIC at RMIT, advice on personnel acquisition, establishment of PC World Test Centre

Victorian Department of Industry Technology and Resources, Consultant on Software Export Program, 1989

Victorian Department of Industry Technology and Resources, Consultant on Software Export Program, 1990

Consulting Editor, Computer World (July 1978-May 1995)(IDG)

Consulting Editor, Computer Week (June 1995-1997) (APN)

⁸ A medium-scale Amdahl main-frame was provided to La Trobe at no charge as part of the AAITP

Expert Witness, Mallesons Stephen Jacques, April 1997

IX. COMPANY DIRECTORSHIPS

QSR Ltd. (University spin-off) June 1994-August 1995