

Personal Details

Adj. Assoc. Prof Karl Reed
19 Meruka Dr Eltham Vic 3095 Australia

Contact

Mob: +61 (0) 4 2368 0795 Priv Em: k2reed3g@hotmail.com

Marital Status: Married 2 children 2 step-children

DOB:29/9/1943

Citizenship: Australian

Languages: English, very basic Swedish

Qualifications

1984 MSc (Thesis Only), Computer Architecture, Sup. Prof C. S. Wallace
1976 MSc (Prelim) Monash Comp. Sci
1965 Assoc. Dip. Communications Engineering, RMIT (Completed 1963, award after 12 months ind. exp.)
1959 Victorian Education Dept. Intermediate Cert Moorabbin Tech. School

Employment Details

2008-NOW Adj Assoc Prof La Trobe University
 1994-2008 Assoc Prof, Comp. Sci and Comp Eng. La Trobe University, Leader Software Engineering
 1989-2003 Served as Acting HOD on numerous Occasions
 1989-1986 Director, Amdahl Intelligent Tools Program
 1989-1994 Snr. Lecturer, Comp Sci and Comp Eng.,La Trobe University,Leader Software Engineering
 1985-1988 Lecturer/Snr. Lecturer Computing RMIT Area Leader for Software Engineering
 1978-1985 Lecturer Computing RMIT Area Leader for Software Engineering & Computer Hardware
 1976-1978 Tutor Monash Univ. Computer Centre
 1973-1976 Senior Systems Engineer L.M.Ericsson Res. Lab. Glenroy Victoria
 1971-1973 Senior Systems Engineer L.M.Ericsson OTC FT6 Stored Program Controlled Telephone Exchange project Sydney
 1969-1971 L. M. Ericsson Stockholm, Systems Engineer, FT6 Stored Program Controlled Telephone Exchange project for OTC FT6
 1968-1969 Operations Manager Monash Uni. Computer Centre
 1967-1968 Programmer Monash Uni. Computer Centre
 1965-1967 Computer Applications Engineer, ICIANZ, Central Engineering Department
 1964-1965 Maintenance Engineer, Elliott Automation, Melbourne
 1964 Trainee Engineer Australian Post Office, Frankston Line Divison

Career Highlights (Partial) Pt I of II

Date	Category	Description
2013	Supervision	Co-Supervisor, PhD Univ de Milano at Creme (to 2013)
2008	Research	Negotiated a \$430,000 cash + kind contract for the XML group (Ass. Prof Rahayu, Dr. Torabi) with Air Services Australia
2007	Personal	Having Profs. Rombach, Parnas and Basili (and others) as referees for promotion (amongst others)
2007	Awards	Distinguished Service Award, CORE (Australia)
2006	Visiting	Visiting Scientist, TEKNE Project, Universiti de Milano @Crema (repeated 2007,2008,2009)
2002	Visiting	Visiting Prof. Bond University
2002	Visiting	Visiting Scientist, Fraunhofer IESE Kaiserslautern (to 2003)
2000	Prof. Activities	Elected Chair, IEEE-CS, Technical Council on Software Engineering, re-elected 2002
2000	Awards	Murton Award for Outstanding Service, Vic Branch, ACS
2000	Visiting	Hon. Visiting Prof Middlesex Univ. UK (to 2003)
1996	Prof. Activities	Elected to Board of Governors, IEEE-CS (re-elected, 1999)
1996	Prof. Activities	Encouraged by Fed DITAC to help form Indigenous Information Industry Group
1995	Awards	Fellow I of E Australia
1995	Commercial	July. Appointed Director, QSR (LTU's first spin off company)

Career Highlights (Partial) Pt II of II

Date	Category	Description
1994	Employment	Prom. to Associate Professor
1991	Prof. Activities	Appt Director, ACS Tech. Board for Comp. Sys.. & SE, re-appt. biannually to 2006
1990	Prof. Activities	Appointed Governor, ACS Technical Board
1990	Awards	Honorary Life Member, ACS
1989-1990	Degree	UG Major in Comp. Sys. Eng. Degree (With Prof Dillon, LTU)
1988-1989	Employment	Appt. Snr. Lecturer, Dept. of CS LTU, moved AAITP to LTU
1989-2003	Employment	Acting as HOD Dept. of CS & CE, LTU on numerous occasions
1988	Employment	Promoted to Snr. Lecturer Dept. Computing, RMIT
1988	Research	Secured Amdahl Australian Intelligent Program (AAITP) (Final value \$1.7m cash + kind) for RMIT
1987	Awards	Honorary Fellow, Computer World
1986	Visiting	Visiting Faculty Res. Assoc., Depart. of Comp. Sc., Uni. Maryland, College Park. (working with Prof Basili)
1984	Education	MSc by research, Monash Univ. Supervisor Prof C.S. Wallace
1983	Awards	Fellow, ACS
1982	Prof. Activities	Organised the first Trade Mission from the Australian IT Sector to Singapore and Japan
1978	Employment	Lecturer, Dept. Maths and Computing RMIT
1978	Commercial	Consultant Editor, Australasian Computer World (to 1995)
1978	Pubs.	Op Ed. Column, Computer World "Essential Reed" (to 1995)
1977	Prof. Activities	First meeting between Aust. Govt. Minister and Australian Software Industry
1975	Employment	Rescued the Ericsson Telephone Queue project at Glenroy, LME's first Telephone Queue (ASDP162)
1974	Prof. Activities	Appointed Chair, ACS National Software Industry Committee
1974	Prof. Activities	Submission to the Ind. Ass. Comm Inquiry into EDP Equipment and parts, for ACS
1969	Employment	Systems Engineer, L.M.Ericsson Stockholm (Hired Melbourne)

Visiting Positions

2012	Visiting Assessor, (invited by Universiti de Milano @Crmea) MDPS Doctoral Presentation, Lyon France
2009	Visiting Lecturer ISUFI at Lecce, Italy
2006	Visiting Scientist, TEKNE Project, Universiti de Milano @Crema (2006,2007,2008,2009)
2002	Visiting Professor, School of IT, Bond University
2002	Visiting Scientist, Fraunhofer IESE Kaiserslautern (to 2003)
2000	Hon. Visiting Prof Middlesex Univ. UK (to 2003)
1992	Senior Visiting Fellow in Industry Structure and Industry Policy, Department of Information Systems, RMIT
1989	Visiting Fellow in Industry Structure and Industry Policy, Department Information Systems, Royal Melbourne Institute of Technology.(to 1991)
1986	Visiting Faculty Research Associate, Department of Computer Science, University of Maryland, College Park.(to 1987)

Major Research Contracts and Collaborative Initiatives

2016-2019	Assisted with the establishment of the LTU IESE Fraunhofer project in Bendigo
2017	Negotiated an MOU LTU, Fraunhofer IESE and the Technical Univ. of Kaiserslautern
2008	Negotiated a \$430,000 cash contract for the XML (Ass. Prof Rahayu, Dr. Torabi). group with Air Services Australia
1988-1996	The Amdahl Australian Intelligent Tools Programme, final value was about \$3.4M consisting of \$1.7M for research plus \$ 1.68M in equipment for research on commercial software engineering tools, and teaching in software engineering. Directed this project.

PhD Supervision

1992	J. L. Cybulski (LTU)	Passed. 2001
1992	T. Torabi (LTU) transferred to another supervisor	
1994	J. Baragry	Passed 2001
2001	T. Ramos (nee Murnane) (LTU)	Passed 2010
2010	J. Samad (Deakin), (Co-Sup., Prin Sup. Prof. S. Loke)	Suspended
2010	H.P.P.V.P.Petel (Monash, Prin Sup on re-write)	Withdrew
2013	K.A. Romaric Sagbo (Uni de Milao) (Prin. Sup. Prof E. Damiani)	Passed 2014
2016	S. Jayatilike (Prin Sup. Assoc. Prof R. Lai)	Passed 2018

Publications (*h-index 12, RG Score 17.44*) (Partial List) (Pt. I of II)

2018	Jayatilike et. al <i>A method of requirements change analysis</i> Requirements Engineering 2018 July 2018 p-1-16	Journal
2018	Jayatilike et. al <i>Managing software requirements changes through change specification and classification</i> Computer Science and Information Systems V.15 Iss. 2 pp 321-346	Journal
2015	Samad et. al <i>Mobile Cloud Computing</i> Chap 7 in <i>Cloud Services Networking and Management</i> Wiley 2015	Book Chap
2013	Samad et. al. <i>Quantitative Risk Analysis for Mobile Cloud Computing a Preliminary Approach and a Health Application</i> Proceedings of the 12th IEEE International Conference on Ubiquitous Computing and Communications (IUCC-2013), Melbourne, Australia.	Conf
2013	Binkly et. al. <i>Task Driven Software Summarisation</i> Proc. 29 th International Conference on Software Maintenance (ICSM 2013),pp pp. 423-435	Conf
2010	Rusu et. al. <i>Integrating Global Aviation Data With Temporal and Spatial Weather Information</i> Australasian Transport Research Forum (ATRF 2010), Canberra, Australia, vol. 1, pp. 1-18.	Conf
2010	Liu, at. Al., <i>Proceedings of the 2010 International Conference on Computer Application and System Modeling</i> (ICCASM 2010) China pp.v9-427 - 434	Conf
2008	Colombo et. al. <i>The Use of a Meta-Model to support Multi-Project Process Measurement</i> Proc. APSEC 2008. December pp. 503-510	Conf
2007	Damiani et. Al <i>Representing and Validating Digital Business Processes</i> DOI 10.1007/978-3-540-89784-2_8	Book Chap
2007	Murnane et al <i>On The Learnability of Two Representations of Equivalence Partitioning and Boundary Value Analysis</i> ASWEC 2007 pp. 274-283	Conf
2007	Hannington and Reed <i>Factors on Multimedia Project and Process Management</i> Proc. ASWEC 2007, pp. 379-388	Conf
2007	Fugini et al <i>Assessing Business Process Awareness: A Service oriented Approach</i> Proceeding Americas Conference on Information Systems (AMCIS) 2007 paper 89	Conf
2006	Murnane et al <i>Towards Describing Black-Box Testing Methods as Atomic Rules</i> Proc. 29 th COMPSAC July 2006 V.1. pp 437-442	Conf
2006	Muranane et. al. <i>Tailoring Black-Box Testing Methods</i> Proc. ASWEC 2006 April pp. 292-299	Conf
2004	Ng et al A preliminary survey on software testing practices in Australia ASWEC 2004 pp. 116-125	Conf
2004	Reed, et. al <i>Agile management of Uncertain Requirements via Generalizations: A Case Study</i> Proc.2004 workshop on Quantitative techniques for software agile process co-located with SIGSOFT/Foundations of Software Engineering,	Conf
2004	Reed et. al <i>Evolvable Software as Equivalent Agile Development When Dealing With Uncertain Requirements - The Contraction of Generality.</i> Agile Methods for Software Production-MAPS Workshop co-located with ACM SIGSOFT 2004/FSE-12	Conf
2003	Benediktsson et al <i>COCOMO-Based Effort Estimation in Incremental Software Development</i> Software Quality Journal. Vol. 11 2003, pp. 265-281	Journal
2000	Murnane and Reed <i>On the Effectiveness of Mutation Testing Analysis as a Black Box testing Technique</i> Proc. ASWEC 2000 IEEE-CS Press pp. 12-20	Conf

Publications (h-index 12, RG Score 17.44) (Partial List) (Pt. I of II)

1999	Cybulski&Reed <i>Automating Requirements With Cross-Domain Requirements</i> Journal AJIS pp. 131-145	
1998	Baragry and Reed <i>Why Is It So Hard To Define Software Architecture?</i> Proc. APSEC 1998 December 1998, pp 28-36	Conf
1992	Cybulski and Reed <i>A hyper-text Based Software Engineering Environment</i> IEEE Software Vol. 9 No. 2, Mar 1992 pp 62-68	Mag
1990	Reed and Dillon <i>An Undergraduate Software Engineering Major Embedded In A Computer Systems Engineering Degree</i> Proc. SEE SEI Conf LNCS 423 pp. 49-66..	Conf
1985	Sivies et al <i>The Implementation Of A Prototype Office Automation Systems Under Unix</i> Proc. 1st Pan Pacific Computer Conference, September 1985, Melbourne, pp 604-616.	Conf
1978	<i>Essential Reed</i> weekly, then monthly to 1995 (Aust Comp World)	News Paper

Prof. Activities and Committees (Partial List)

1965	Chairman, Engineering Computers Users Group, 1965,66,67	ACS
1974	National Chairman, Australian Computer Society-Software Industry Committee 1974.-1989	ACS
1981	Victorian Government Computer Industry Advisory Group	Gov. Vic
1983	CSIRO Task Force on Software Engineering 1983 (lead to the formation of the CSIRO Division of Information Technology	CSIRO
1986	Foundation Chairman, Australian Computer Society-Software Industry Association (and founder, Branches in QLD, NSW, VIC, TAS, SA, WA)	ACS
1988	Member, Information Industry Foundation Training Foundation Steering Committee (sponsored by Federal Department, Education and Training)	(ACS Rep)
1990	Governor/Director, Australian Computer Society's Technical Board (term starting 1990)	ACS
1990	Chairman, Victorian Branch, Australian Computer Society	ACS
1991	Director, Australian Computer Society's Technical Board (Computer Systems Engineering and Software Engineering)	ACS
1995	Member, Department of Industry Science and Technology Steering Committee on the formation of Software Engineering Institute	Gov
1996	Initiator and Chairman, Victorian Software Engineering Institute Working Party	LTU/ AAITP
1997	Governor, Institute of Electrical and Electronic Engineers-Computer Society, (1997-1999 ,2000-2002)	IEEE-CS
1998	Chairman, Advisory Committee, Victorian Government Department of Industry Technology and Resources Advanced Software Project	Gov. Vic
1998	Member, Advisory Committee, Victorian Government Department of Industry Technology and Resources Software Export Grants Scheme (1998-99)	Gov. Vic
2000	Chair, IEEE-CS Technical Council on Software Engineering, 2000-2002, 2002-2004	IEEE-CS
2000	Member, Steering Committee for the IEEE-CS TCSE/ ACM-Sigsoft International Conference on Software Engineering (to 2020)	IEEE-CS

Keynote Addresses (Partial List)

1981	<i>Technical Developments and the EDP Auditor – Another Round of Trauma?</i> EDPAC 81, the 3rd Australian EDP Audit Conference, May 1981
1984	<i>The Role of Government Policy in the Development of High Technology Industry-The Implications of the 1983-84 Budget"</i> Saturday Guest", broadcast nationally ABC Radio, 29/8/1984
2000	<i>The Future of Software Engineering and Re-Engineering as Software Architecture</i> Keynote Speech to the 2000 WCRE
2000	<i>Software Engineering-From Cottage Industry to Cottage Industry-Does It Matter and What Should We Do About It?</i> Keynote speech to the Workshop on Futures in Software Engineering (co-located, APSEC) Dec 2000, Singapore