

Computer Applications Management Pty. Limited

P.O. Box 7046, Melbourne, Vic 3004 Australia

DR. LEONARD G. WHITEHOUSE

CURRICULUM VITAE

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DR. LEONARD G. WHITEHOUSE

PERSONAL PARTICULARS

Name: WHITEHOUSE, Leonard George
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Marital Status: Married

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TERTIARY EDUCATION

BACHELOR OF SCIENCE, University of Queensland (physics and mathematics).

DOCTOR OF PHILOSOPHY in Computer Science, Monash University, based on research into compiling techniques for higher level programming languages.

PROFESSIONAL BODIES

Fellow of the Australian Computer Society

CURRENT APPOINTMENT

Principal Consultant, **Computer Applications Management Pty. Limited**, established by Dr. Whitehouse to provide computer consulting, research and software development services. The company was registered in Victoria on 25 June 1981. Work is undertaken in three broad categories:

1. Computer Consulting

Conjoint Fellow of the **University of Newcastle** as supervisor of overseas students preparing dissertations for their Doctor of Business Administration degrees. Since 2006, 21 students have successfully completed their DBAs and five are on-going.

Consultant to **Whittle Consulting Pty. Ltd.** providing computing services to the mining industry.

Consultant to the **University of Melbourne** as a Business Analyst in the Melbourne Research Centre.

Consultant to **E-works** (a semi-government organization established to fund the development of e-learning programmes in the TAFE and business sectors) responsible for a web based repository of Learning Objects.

Consultant to **.au Domain Administration Limited** in the development of the Technical Specification for the outsourcing of the .au Registry, Non-Performance Criteria for the selected Registry, Conversion Plan for existing Domain information, the

.au Domain Disaster Recovery Plan, tender evaluation and acceptance testing of the new Registry.

Consultant to the **Faculty of Information Technology at Monash University** as Associate Dean (Research) responsible for the co-ordination of the Faculty's research programme (two-year contract).

Consultant to the **Department of the Treasury and Finance** in the selection of a Hardware and Technical Software Infrastructure for the Government of Victoria, and on-going project management of the outsourcing process (9 month contract).

Consultant to the **Faculty of Information Technology at Monash University** as a Senior Lecturer (50% of full time) with the School of Computer Science and Software Engineering in, teaching **Project Management** and **Document and Imaging Systems** at the undergraduate level.

Consultant to **Minerals & Petroleum, Victoria** in the development of a Petroleum Data Model and preparation of a Request for Tender for Petroleum Database software.

Consultant to **Attorney-General's Department** in the development of a strategy for the computerisation of the Supreme Court of Victoria.

Consultant to the **Victorian Farmers Federation** in the development of a strategy for upgrading its computers.

Consultant to **Mackay Consolidated Industries Pty. Ltd.** in the development of a strategy for upgrading its computers.

Consultant to **Monash University, Administration Branch** in the development of a strategy for the integration of Student Record Systems at Clayton Campus (VAX RDB system) and Gippsland Campus (HP Powerhouse system).

Consultant to **Nexus Designs Pty. Ltd.** in the development of a strategy for provision of computing facilities for Graphic Design, Interior Design, Data Base Marketing and Commercial and Accounting Applications.

Consultant to **Australia Post** in the evaluation of tenders for an Interworking Unit to allow the interchange of international telegrams between the Overseas Communications Service and AP's Electronic Mail Service.

Consultant to the **Department of Employment and Industrial Relations** to report on computer training needs and the development of computer software.

Consultant to **Kahn & Clahr, Solicitors**, in the specification of a computer system for administrative data processing and preparation of a Request for Proposal document.

Consultant to the **Law Department, Victorian State Government** in selecting an Information Retrieval System for Legal Documents (CLIRS).

Consultant to **Forests Commission of Victoria** to conduct an in-depth survey of its computing needs and to prepare an E.D.P. Strategic Plan (SDM70 Methodology).

Consultant to **Department of Conservation, Forests and Lands** to report on the rationalisation of computing facilities for the newly formed Department.

Consultant to the **Transport Regulations Board** to prepare a Request for Proposal for a computerised Drivers' Licence System (SDM70 Methodology).

2. **Software Development**

Consultant to **A. J. Dever Pty. Ltd.** Barristers' Clerk, in the development of a computer system for Barristers' fees, incorporating electronic fund transfers and a comprehensive debt recovery facility. The system has recently been updated to incorporate integrated Diary and Web facilities and extended for use by four Barristers' Clerks.

Consultant to **Prescott Consultants**, in the development of a Superannuation Fund Administration System.

Consultant to **Glama Pak (Vic) Pty. Limited** in the development of an integrated Production Control and Accounting facility. The system was developed to run on PC Networks in Melbourne and Sydney.

Consultant to **General Practice Divisions - Victoria Ltd.** in the development of a GP Registry with internet access to hospitals throughout Victoria. The system was developed in Microsoft Access using Active Server Pages for internet access.

Consultant to **Rural Workforce Agency, Victoria** in the Development of the Medical Specialist Outreach Assistance Program (MSOAP) to administer the provision of specialist services to people living outside major metropolitan services.

Consultant to **Monash London and Monash Prato Centres**, in the development of a Conference/Event Management System.

Consultant to the **Department of Education, Victoria** for the development of an Internet facility incorporating a data base of Private Providers and State-approved Courses.

Consultant to **DataGap Pty. Ltd.** in the development of a Property Seeker software package with remote down-load of property details via the Internet.

Consultant to the **Department of Education, Victoria** for the development of a data base of State approved courses.

Consultant to **VicRoads** in the development of a pen-based computer system for recording assessments during driving tests.

Consultant to **Reynolds & Spectrum Pty. Ltd.** in the design and implementation of a software package for the administration of Superannuation Funds (Delphi).

Consultant to **Asquith Foan and Goode** in the design and implementation of a Unix based management and accounting system for warehousing and office furniture distribution.

Consultant to **Clarke & Company** in the development of Resource Management and WorkCover Auditing software packages.

Consultant to **Cybergraphics Systems Pty. Ltd.** in the development of a system to translate 3,000,000 Pascal Statements to alternate Pascal platforms.

Consultant to the **Aboriginal and Torres Strait Islander Commission** in the development of a Koori Data Base.

Consultant to **A. J. Dever Pty. Ltd.** in the development of a Terminate and Stay Resident (TSR) facility to run on stand-alone or networked PC's.

Consultant to **Aeronautical Research Laboratory** in the design and implementation of a Management Information System for budgets, commitments, labour and expenditure at programme, sub-programme and task levels over multiple financial years.

Consultant to **Telecom Australia** in the design and implementation of a computer system for the collection and analysis of Austpac performance statistics, and presentation of results in tabular and graphical form.

Consultant to the **Royal Southern Memorial Hospital** in the development of a computer system for the Pathology department. Modified versions of the system are in use at Peter MacCallum Cancer Institute and Box Hill Hospital.

Consultant to the **Victorian State Government** to conduct an in-depth study of computing needs and trends in Victorian Government Departments and the development of a strategy for government computing in Victoria.

Consultant to the **Queen Victoria Hospital** in the selection of computer equipment and software to meet the requirements of its In Vitro Fertilisation Unit.

Consultant to **Qantas Airways** in the development of a Conference Registration System.

3. Computer Litigation

Consultant to **Solicitors** as an expert witness in matters of computer litigation.

Solicitor

Australian Government Solicitor
Baker & McKenzie
Christopher Bunnett Lawyers
Coady Dwyer
Corrs
Deacons Graham & James
Feron & Ludescher
Herbert Geer & Rundle
Herbert Geer & Rundle
Kahn & Clahr
Kahn & Clahr
Middletons Moore & Bevins
Middletons Moore & Bevins
Molomby & Molomby
Norton Smith & Co.
Novatsis & Alexander
O'Brien, J. D.
Parkland Rhodes Lawyers
Remington & Co.
Robert Richter & Associates
Robert Richter & Associates
Robert Richter & Associates
Sali & McLindin
Sali & McLindin
Slater & Gordon
Ronald Tait
Wantrup & Associates
Waters & Hession

Dispute

ACCC v Cabcharge Pty. Ltd.
Drake Personnel Ltd. v Thompson & Ors
Collection Point Pty Ltd v ATO
Statistical Information
Distinct Software
Norlin Dental
Honeywell
In-Site Advertising v Micro Knox
PS2000 Pty. Ltd. v Teska & Carson
Eurovox United
Calder Park Raceway
Fuchs Australia Pty. Limited v SSA Pacific
The Australian v Premier and Cabinet
Fuchs Australia Pty. Limited v SSA Pacific
Southern Farmers v. Gadsden
Simonovski v Bendigo Bank
State Insurance Office
Hub Properties v Namba
Apple Computers
Norlin Dental
Amalgadent v Marsh Hill
Shearform Industries v ManuSoft
Westsub Discounts v Idaps
Marianna Hardwick
Carrigg ats. CFA
Dr. White v Medical Frontiers
Arrow Research
Wholesale Pets v Intellitec

Counsel with whom Dr. Whitehouse has worked include Mr. Peter O'Callaghan Q.C., Mr. Greg Garde Q.C., Mr. Ross Macaw Q.C., Mr. David Shavin Q.C., Mr. Damian Austin, Mr. Michael Gronow, Mr. James Isles, Mr. Trevor Rosen.

Consultant to **Australian Commercial Disputes Centre Limited** in an Expert Determination between Orica Australia Pty. Ltd. and Atos Origin Pty. Ltd.

Consultant to **The Supreme Court of Victoria** as a special referee to the Court in the determination of technical questions in a dispute between Smith & Nephew and Pansophic Systems.

Dr. Whitehouse is a qualified **Mediator** with the **Institute of Arbitrators & Mediators Australia**, specialising in computer related matters.

PREVIOUS APPOINTMENTS

MONASH UNIVERSITY COMPUTER CENTRE

Appointed Lecturer; Senior Lecturer; Deputy Director of the Computer Centre with Associate Professor status. Research interests were in hardware and software aspects of compiling with emphasis on the implementation of soft micro-programmed machine architectures optimised for specific tasks.

Invited by Academy of Science of China to present a series of lectures at the Institute of Computing Technology in Peking.

Consultant to the Education Department, the Victorian Public Service Board, the Department of Agriculture, the Dairy Farmers Association, the Beef Growers Association, the T.A.B. and various schools and colleges.

CONTROL DATA AUSTRALIA PTY. LTD.

Involved in the installation of computer systems for the Bureau of Census, C.S.I.R.O. and the Department of Defence. Accepted assignments in the United States of America working with the International Operations Group and Systems Programming Group and in Germany as a member of a team designing and implementing an ALGOL compiler for the CDC 3200 computer.

BROKEN HILL PROPRIETARY COMPANY LTD.

Appointed as physicist with the Operations Research Department at Newcastle Steelworks. Used IBM computers for plant simulation, structural design, linear programming, regression analysis, optimisation of plant procedures, scheduling and spares control.

PUBLICATIONS

- Whitehouse, L. G.**, 1969, MINITRAN - A Programming System for School Students.
Proceedings of the 4th Australian Computer Conference, 1969.
- Whitehouse, L. G.**, 1969, MINITRAN - Monash University Student Fortran
National Library No. C45130:69
- Whitehouse, L. G. and Bellamy, C. J.**, 1971, An introduction to Computer Programming - MIDITRAN,
National Library No. ISBN 0909549001
- Whitehouse, L. G.**, 1972, The Design of a Student Fortran Job Processor
Proceedings of 5th Australian Computer Conference, 1972.
- Whitehouse, L. G.**, 1972, An Interactive Teletype System for Computer Based Control
Proceedings of 5th Australian Computer Conference, 1972.
- Bellamy, C. J. and Whitehouse, L. G.**, 1973, The Development of an Educational Computer System,
Proceedings of 1973 C.A.E. Computer Conference, 1973.
- Whitehouse, L. G.**, 1974, Compiling Techniques for Higher Level Languages
Ph.D. Thesis, Monash University
- Bellamy, C. J., Whitehouse, L. G.**, 1976, An Introduction to Computer Programming in Fortran,
National Library No. ISBN 0909752656
- Monypenny, W. H., Bellair, D. T. and Whitehouse, L. G.**, 1979, An Introduction to Computer
Programming in Cobol, National Library No. ISBN 0909752605
- Whitehouse, L. G.**, 1981, Machine Language Programming
National Library No. ISBN 0909752826

COMMISSIONED REPORTS

The following projects have been undertaken on a consultancy basis, each project requiring an investigation of requirements, analysis of results, and the production of a comprehensive report of recommendations.

- 1982 E.D.P. Strategic Plan, Forests Commission of Victoria
- 1983 Request for Proposal Document, Kahn & Clahr, Solicitors
- 1983 Request for Proposals Document, Eurovox United Pty. Ltd.
- 1983 Training Needs for the Computer Industry, Dept. of Employment and Industrial Relations
- 1983 Request for Proposal, Driver Licence System,, Transport Regulation Board,Victoria
- 1985 Strategy for Government Computing, Victorian Government Computing Service
- 1986 Tender Evaluation for the Invitro Fertilisation Programme, Queen Victoria Hospital
- 1990 Strategy for the Computerisation of the Supreme Court of Victoria, Attorney General.
- 1992 Strategy for Upgrading Computer System, Victorian Farmers Federation.
- 1993 Strategy for Upgrading Computer System, Mackay Consolidated Industries.
- 1995 Hardware Infrastructure for Outsourcing Computers, Treasury and Finance, Victoria.
- 1996 Request for Proposal, Petroleum Data Base, Minerals and Energy, Victoria.
- 1999 Knowledge Management within Geo-Eng Australia Pty. Ltd
- 2000 Technical Specification for the outsourcing of the .au Registry
- 2001 auDA (.au Domain) Disaster Recovery Plan
- 2002 Disaster Recovery Plan for A.J. Dever Pty Ltd.
- 2003 Disaster Recovery Plan for Glama-Pak Pty. Limited.
- 2004 Disaster Recovery Plan for General Practitioners Divisions Victoria Limited.

DEVELOPED SYSTEMS

Dr. Whitehouse has maintained technical skills by undertaking development projects, commencing with an investigation of user requirements and proceeding to design, implementation, documentation, user training and on-going support and maintenance.

Description of System	System	Language	Modules	Statements
Management Acc. System	IBM AIX	IBM Cobol	420	400,000
Management Info. System	Unix	Fortran77	320	300,000
Newsagency Data Bases	Unisys Btos	Cobol-84	260	300,000
Superannuation System	PC/Network	Pascal	110	190,000
Koori Data Base	PC/Network	Cobol-84	100	160,000
Barrister Fees System	Unisys Ctos	Cobol-84	90	100,000
Name Index System	VAX	Fortran77	70	50,000
AustPac Performance	VAX	Pascal	25	40,000
Cybergraphics Conv.	Dec Alpha	Pascal	15	15,000
Pathology Reporting	PC	Pascal	2	12,000
TSR for PC, Network	PC/Network	Pascal	2	3,000
Resource Usage	PC/Network	FoxPro	390	n/a
Workcover Auditing	PC/Network	FoxPro	280	n/a
Workcover Accounting	PC/Network	Access	100	n/a
Barrister Information	PC/Network	Access	400	n/a
VicRoads Driver Test System	IBM Pen PC	Access	120	n/a
Educ. Dept. Courses System	PC/Network	Access 97	150	n/a
Real Estate System (Internet)	PC/Network	Delphi	600	n/a
GP Registry (Internet)	PC/Network	Access/ASP	530	n/a
Rural Specialists Database	PC/Network	Access XP	300	n/a
Event/Conference Management	PC/Network	Access XP	100	n/a
GlamaPak Accounting and Production	PC/Network	Access XP	1200	n/a
Barrister Accounting, Diary	PC/Network	Access XP	500	n/a
Barrister Web Facilities	Internet	Visual Studio	60	n/a

COMMITTEES and BOARDS

2010-2017 : Board Member, Kilmore and District Hospital, Victoria.

2013-2017 : Building Committee, Anglican Church, Kilmore, Victoria.

PRO BONO PROJECTS

Projects undertaken on a Pro Bono basis include:

Consultant to **St. George Anglican Church, Malvern** in the development of a wireless network to interconnect the Parish offices and development of an Internet site for the Parish.

Consultant to the **Jewish Museum** in the development of a strategy for upgrading its computers and computer network.

PHOTOGRAPH



Dr. Leonard G. Whitehouse