

**Computer Applications Management Pty. Limited**

P.O. Box 7046, St. Kilda Road, Melbourne, Vic 8004 Australia

**DR. LEONARD G. WHITEHOUSE**

**CURRICULUM VITAE**

October 2006

# CURRICULUM VITAE

## DR. LEONARD G. WHITEHOUSE

### PERSONAL PARTICULARS

Name: WHITEHOUSE, Leonard George  
Nationality: Australian  
Marital Status: Married

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Melbourne, Vic. 8004

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### TERTIARY EDUCATION

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

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

### PROFESSIONAL BODIES

Member of the Australian Computer Society  
Associate of the Institute of Arbitrators and Mediators Australia

### 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 Litigation

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

#### Solicitor

Baker & McKenzie  
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.

#### Dispute

Drake Personnel Ltd. v Thompson & Ors  
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

Parkland Rhodes Lawyers  
Remmington & Co.  
Robert Richter & Associates  
Robert Richter & Associates  
Robert Richter & Associates  
Sali & McLindin  
Sali & McLindin  
Slater & Gordon  
Ronald Tait  
Wantrup & Associates  
Waters & Hession

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.

## 2. **Computer Consulting**

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).

### **3. Software Development**

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 (on-going support).

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 extended for use by five Barristers' Clerks (on-going support).

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 provide a software package 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 **Prescott Consultants**, in the development of a Funds Administration System (on-going support).

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.

## **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

**Monypenney, 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.

| <b>Description of System</b>       | <b>System</b> | <b>Language</b> | <b>Modules</b> | <b>Statements</b> |
|------------------------------------|---------------|-----------------|----------------|-------------------|
| 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 3        | 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       | 1000           | n/a               |
| Barrister Accounting, Diary        | PC/Network    | Access XP       | 500            | n/a               |
| Barrister Web Facilities           | Internet      | VB.Net          | 60             | n/a               |

## **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.

## **RECENT PHOTOGRAPH**



**Dr. Leonard G. Whitehouse**