

Curriculum Vitae Chee Weng

For further information please contact Jude – Employment Co-ordinator

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PERSONAL STATEMENT

I am a New Zealand resident, seeking a position where I can apply my proven skills, knowledge and previous work experience in:

- Lecturing in a tertiary institution
- Statistician and data analysis
- An administrative position which may include dealing with analyzing numbers, calculations, planning and statistics
- Secondary school teaching in mathematics, physics and chemistry.

EDUCATION and ACADEMIC QUALIFICATIONS

- 1996 – 2000 PhD (Computational Modelling and Simulation)
Lincoln University, New Zealand.
Thesis: Development of an Integrated Framework for Environmental
- 1989 – 1990 MSc (Operational Research)
Lancaster University, United Kingdom

Dissertation: General Simulation Language for Welsh Water Authority
- 1975 – 1979 BSc with Education (Hons)
Universiti Putra Malaysia, Malaysia
Dissertation: On a Generalisation to Fitzhugh's Equation

This degree has been assessed by NZQA as “comparable to the educational level of a Bachelor of Science degree from a New Zealand university and a Diploma of Teaching from a New Zealand college of education or other recognised training provider.”

EMPLOYMENT HISTORY

Nov 1994 – Apr 2009	Lecturer, University Malaysia Sarawak, Malaysia
Mar 1983 – Oct 1994	Lecturer, University Mara Malaysia, Malaysia
Jun 1980 – Feb 1983	Executive, Aetna Assurance, Malaysia
May 1979 – May 1980	Teacher, High School, Malaysia

KEY SKILLS and ATTRIBUTES

Proven and Effective Teaching and Communication Skills

- *Courses / subjects taught at Tertiary Institutions*

Calculus, algebra, geometry, linear algebra, discrete maths, operational research, pre university mathematics, and statistics.

- ***Courses taught in high school***

Mathematics, calculus, statistics, physics, chemistry and science at various levels.

Effective Supervision Skills

- Supervising individual students learning and progress
- Supervising Final Year Students' Projects and Industrial Training.
- Supervising Students' Teaching Practicum
- Supervising Research Assistants

Proven and effective Writing and Analytical Skills

Examining undergraduate students' Final Year Project Reports, Master and PhD thesis, and also reviewing Conference papers.

Practical Research and Development Skills

Research Activities

- Investigating the performance of CT Scan vis-à-vis the "Volcano IVUS"
- Developing a model for Social Medicine for Cardiac unit, Sarawak General Hospital
- Developing Decision Support Systems and Sensitivity Analysis Tools for Decision Analysis.
- Developing a Decision Support System to Forecast the Arrival of Buses.
- Developing an Algorithm to Determine the arrival times of buses at Bus-stop via SMS

Good Consultation and Research Skills

- Member of International Advisory Board (2008) for "International Congress on Pervasive Computing and Management (ICPCM 2008).
- Consultant for SALCRA on the Development of a Decision Support System for Plantation Management.
- Consultant for the Development of an online bookshop for Sarawakshop.com
- Consultant for the Cardiac Unit, General Hospital for Statistical and Mathematical support.

Administrative Skills

Active Participation in the following Committees

- PostGraduate Committee.
- Research Committee
- Faculty Board

- Examination Board
- Organising Committee for International Conference on Information Technology in Asia (CITA) 2001, 2003, 2005 & 2007
- Organising Committee for Workshop on Computational Science June 2005
- Moderator for the Mathematics Paper for INTI College, a private tertiary college

Attributes

- Excellent numerical and analytical skills, number crunching, planning, analysis of numbers, problem solving, and decision analysis.
- Excellent communication and interpersonal skills- relates effectively with work colleagues and students
- Competent in the following softwares: Word, Excel, SPSS, MatLab, ExpertChoice and ArcInfo.

Regularly Updates Information and Knowledge by attending Conferences and Seminars

Seminar/Conferences/Symposia attended

- International Congress on Modelling and Simulation, Hamilton, New Zealand 6th - 9th December 1999.
- Conference on Information Technology in Asia. Kuching, Malaysia 17th -19th October 2001
- International Conference on Water & Wastewater Management for Developing Countries. Kuala Lumpur, Malaysia 29th –31st October 2001.
- International Congress on Modelling and Simulation. Twonville, Australia 14th – 17th July 2003
- International Conference on BioInformatics. Penang, Malaysia 7th – 10th Sept 2003
- Regional Conference on Ecological & Environmental Modelling 13th – 15th Sept 2004
- International Conference in Rural ICT, Kuching, Feb 2006
- International Conference on Postgraduate Education, Kuching 27th-28th Nov2006
- other “in-house” seminars within the university.

Publications:

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- **Wong, C.W.**Development of an Integrated Framework for Environmental Decision Making. PhD Thesis (2000).

- **Wong, C.W.** Sensitivity Analysis of the Decision Making Process in the LII Catchment: International Congress: on Modelling and Simulation, Townsville, Australia., 14 – 17 July 2003
- **Wong, C.W.** The Significance or Insignificance of Models. Regional Conference on Ecological & Environmental Modelling. USM 15-16 Sept. 2004
- Bong Chin Wei, Wang Yin Chai, **Wong Chee Weng** (2004). “Comparative Evaluation between Multi-objective and Single-objective Decision Making for Political Districting”. IEEE International Conference on Information Reuse and Integration Las Vegas, Nevada, USA.
- Bong Chin Wei, Wang Yin Chai, **Wong Chee Weng** (2004). “A Multiobjective Spatial-based Zone Design Model (MoSZoD)”. Conference of Oceans’ 04 MTS/IEEE/ TECHNO-OCEAN’04 (OTO’04). Kobe, Japan
- Bong Chin Wei, Wang Yin Chai, **Wong Chee Weng** (2004). “Multiobjective Metaheuristic for Redistricting: The State- of – the art” Internation Conference of OCEANS’04 MTS/IEEE/ TECHNO-OCEAN’04 (OTO’04). Kobe, Japan
- Bong Chin Wei, Wang Yin Chai, **Wong Chee Weng** (2004). “Interactive Multiobjective Decision Support for Zone Definition Procedure” Seminar Kebangsaan Sains Pemutusan (SKSP 2004). Universiti Utara Malaysia.