

CURRICULUM VITAE

Dr Christopher Thomas Shaw MA PhD FEngNZ CPEng

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Date of Birth: 1959
Ethnicity: European
Nationality: New Zealand Citizen, British Citizen

EXPERIENCE

- Aug 2004 – present **Director, Topajka Shaw Consulting Limited**
A consultancy providing services in governance, marketing and engineering. Recent clients include Engineering New Zealand (assessment of candidates for membership), Ministry of Business, Innovation and Employment (Advisory Panel member - High Value Manufacturing and Services, NZ-Korea Strategic Research Collaboration, Panel member - Contract Reviews), Woods Auckland and Eliot Sinclair Christchurch (mentoring for engineers), Waiau Area School (Commissioner appointed by Ministry of Education), Foundation for Research Science and Technology (Advisory Group member – New Materials, Technologies and Services, Japan Society for Promotion of Science International Relationships, High Technology Transformational Research Science and Technology), Fisher and Paykel Appliances (design analysis), University of Otago (research advice), Propeller Jet Limited (design analysis), PL Berry and Associates – Patent Attorneys (expert witness), Wave Power South Limited (technology and governance advice).
- Dec 2003 – Oct 2004 Self-employed engineering consultant
Brief period of project work before company above was created.
- May 2001 - Nov 2003 Associate Professor and Head of Department, Department of Design Studies, Division of Sciences, **University of Otago**
Responsible for department of 14.3 FTE academic staff, 8.6 FTE general staff, 250 EFT students and numerous tutors on contract. Fully devolved budget of \$1.5million. Leadership of a newly created department, so role included strategic planning, staffing review and subsequent growth, safety review, implementation of new systems to reduce risk exposure. At same time was appointed first Chair of Board of Studies for Applied Science degree.
Member University Senate.
- Jan 2000 - Apr 2001 Temporary Senior Lecturer then Associate Professor (from February 2001), Design Studies Section, Department of Consumer Sciences, **University of Otago**

Oct 1999 - Sep 2002	Honorary Fellow, School of Engineering, <i>University of Warwick</i>
Oct 1999 - Dec 1999	Self-employed engineering consultant
Apr 1988 – Sept 1999	Lecturer and, from October 1995, Senior Lecturer, School of Engineering, <i>University of Warwick</i> As well as teaching and research, the role included a large amount of governance and management, as Deputy Chair of Civil and Mechanical Engineering with around 20 academic staff, 25 technician/secretarial staff and 400 FTE students.
Jan 1994 - Dec 1996	Part-time Tutor (Associate Lecturer), <i>Open University</i>
Apr 1986 - Mar 1988	Principal Engineer, Advanced Aerodynamics, Advanced Engineering Group, <i>Jaguar Cars Ltd</i>
March 1984 – April 1986	Senior Project Engineer, <i>Structural Dynamics Research Corporation</i>
Aug 1977 - Feb 1981	Student Officer/University Cadet in Engineer Branch, <i>Royal Air Force</i>

EDUCATIONAL QUALIFICATIONS

2009	Southern Institute of Technology. Diploma in Te Ara Reo Māori (Level 5).
1995	UK Institute of Linguists. Advanced Certificate in German.
1993	Open University. Professional Certificate in Management. Studied modules 'The Effective Manager', 'Managing Customer and Client Relations' and 'Accounting and the PC for Managers'.
1984	PhD, College of Aeronautics, Cranfield Institute of Technology. Thesis Title: "The Prediction of the Aerodynamic Characteristics of Bodies Using Axial Singularity Distributions".
1980	BA(Hons), Engineering, Cambridge University. Specialisation in Fluid Mechanics, Aeronautics, Control Engineering. Degree class II(i). MA since 1984.
1977	GCE 'A' Levels in Mathematics (A2), Physics (A2), Chemistry (A), General Studies (A).
1975	GCE 'O' Levels (7 at Grade A, 1 at Grade B).

MINISTERIAL APPOINTMENTS

Apr 2008 – Jul 2012	Guardian of Lakes Manapouri, Monowai and Te Anau. Appointed by Minister of Conservation. Member from 2008, Chair from October 2010.
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GOVERNANCE POSTS

Sep 2013 - present	Trustee. Kepler Challenge Mountain Run Trust. This Trust organises the annual Kepler Challenge and Luxmore Grunt mountain runs, NZ's premier mountain running event. Chair of Trust since July 2015.
Apr 2008 - present	Trustee. Pomona Island Charitable Trust. Trust has been awarded a Ministry of Environment Green Ribbon Award in the category "Protecting Our Biodiversity" (2011) and a Southland Environment Award in the Community Group category (2008) for its work restoring Pomona and Rona Islands on Lake Manapouri.
Aug 2004 – present	Director, Topajka Shaw Consulting Limited
Sep 2011 – Jan 2018	Member. Ministry of Education Panel to provide Tailored Training and Support Services to School Boards of Trustees. Appointed Commissioner at Waiau Area School (September 2012-June 2014).
Apr 2007 – Jun 2016	Board of Trustees, Fiordland College. Chair of Board from 2008 to 2013, Deputy Chair for 2007. The College had mixed ERO reviews in 2005 and 2006. Work by the Board and staff ensured a positive supplementary review by ERO in April 2008 and a positive full review in June 2010. Main activities included providing a strategic focus in meetings, consulting widely, developing strategic plans with achievable goals, providing financial oversight.
Feb 2011 – March 2013	Member. Management Agency (Board) of American Foulbrood National Pest Management Strategy. Operates under Biosecurity Act 1993 and Biosecurity (National American Foulbrood Pest Management Strategy) Order 1998.
May 2001 - Nov 2003	Head of Department - Design Studies, University of Otago. First Head of this department. Responsible for strategic planning (first plan completed October 2003), developing a vision and direction for department, reviewing the organisation structure and recommending changes, developing processes to strengthen accountability, minimising risk by developing policy in areas such as OSH. Member – University Senate Member – Academic Board Division of Sciences Member – Board of Studies Consumer and Applied Sciences
Jan 2001 - Dec 2002	Chair – Board of Studies for Applied Science degrees at University of Otago. First Chair of this board of study for a new degree programme at Otago.
Apr 1988 - Sep 1999	At School of Engineering, University of Warwick Deputy Head - Division of Civil and Mechanical Engineering (1 year) Member – Sub-Faculty Board of Science (2 years) Member – School course strategy committee (1 year). Group Leader - Mechanical Engineering Research Group (1 year) Member – School Policy Committee (1 year) Member – Research Assessment Exercise Strategy Working Party (1

year)

Chair – MEng Review Board (3 years)

Member – School Undergraduate Degrees Committee (3 years)

GOVERNANCE APPROACH

To add value in a boardroom by bringing the strengths listed below to any board of which I am a member. In particular I can bring skills in analysis, strategic planning, communication, and understanding of technology to any board table.

STRENGTHS

<i>Governance Skills</i>	Proven leadership in governance roles including chairmanship, strategic planning, determination of organisational structure, financial analysis, stewardship of resources and assets, risk management.
<i>Management Skills</i>	Proven leadership in management roles including change management, personnel management, implementation of plans, monitoring of performance, budgeting and financial management, hazard analysis.
<i>Technical Skills</i>	Strong technical skills in the fields of fluid mechanics, design and mathematics. Includes research skills, experimental and analytical/computational skills.
<i>Ability To Make Decisions</i>	Ability to analyse situations and make decisions in a fair manner using perceived benefits to both organisation and individuals as a decision-making tool.
<i>Clear Thought Processes</i>	Ability to investigate a wide variety of technical and leadership problems quickly using analytical techniques.
<i>Empathy With Others</i>	Ability to consider the point of view of others and to understand the implications of decision-making on others.
<i>Communication Skills</i>	Ability to communicate well both orally and in writing, through extensive experience of lecturing, giving presentations, running seminars, chairing meetings, writing books, research papers, reports.

SOCIETIES

Fellow Engineering New Zealand
Chartered Professional Engineer