

QUALIFICATIONS

BSc(Hons), Biochemistry, Otago University, 1997

ROLE AT CAWTHRON

Eric is a systems analyst with the Coastal & Freshwater Group. He combines skills in scientific analysis and computing, with a rigorous and critical analytical technique, and an ability to communicate to audiences of varied familiarity with a topic.



SPECIAL INTERESTS

- Complex system behaviour
- Modelling life systems and generating behaviour
- Low impact solutions / green technologies
- Alternative energy systems
- Ecosystems structure and behaviour
- Software development
- Origin and thermodynamics of life

PREVIOUS PROJECTS

- Introduction of sustainability initiatives
- Development of framework for assessment of aquaculture sustainability
- Physical oceanographic monitoring of a world heritage site
- A modelling architecture for subcellular processes to reduce animal testing in the pharmaceutical industry
- Signal transduction models contributing to cancer treatment research
- Image analysis software for finfish and shellfish quality control systems
- Signal transduction models contributing to cancer treatment research
- Behaviour generation technologies for artificial-life protagonists of a popular computer game
- Genetic transformation of an ornamental species to modify floral pigmentation