

# Proceedings of the Nineteenth Annual Conference of the National Advisory Committee on Computing Qualifications

edited by

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# NACCQ

The National Advisory Committee on Computing Qualifications (NACCQ) was formed in 1988, and provides help and support to member institutions in the development, teaching and quality assurance of courses and programmes, from certificate through degree to postgraduate levels, in the field of Computing and Information Technology. The NACCQ also supports academic staff in several different ways, such as national workshops, research seminars, APL, moderation, the publishing of a journal, a research bulletin and also by organising this annual conference. NACCQ activities and a digital version of these proceedings are available from <http://www.naccq.ac.nz>

The philosophy of the conference is the encouragement and support of new, emerging and established researchers in a safe environment while encouraging excellence and academic discourse.

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## Quality Assured

All full papers in this proceedings were double-blind refereed by at least three reviewers and then selected by an editorial panel. 17% of submitted papers were accepted for publication with a further 29% accepted after significant revision.

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## Theme

The conference contains papers in the following areas:

- ◆ computing education
- ◆ computing practice
- ◆ computing research

The theme this year is Preparing for the future: Capitalising on IT.

The cover of the proceedings celebrates the inclusion in the conference of a Perspectives on IT Careers forum aimed to link stakeholders to ensure the continued availability of a highly skilled workforce to sustain a vibrant and healthy Information Technology industry in New Zealand.

The illustration is by Serge Ratten (rattesc1@tekotago.ac.nz) from a script by Samuel Mann.

## Full paper

Full papers are double blind peer refereed on submission by a review panel and accepted/modified/rejected. The editorial panel reviews final versions. They may be rejected or returned for modification at that point.

Full papers may be either long (8 pages) or short (4 pages) with no qualitative distinction.

## Poster and demonstration papers

A 915\*600mm poster is displayed at the conference along with one page in the proceedings. Research primarily carried out by students is identified with an NACCQ Capstone Research logo.

## Online

This conference proceedings, along with those from recent years, can be found online at [www.naccq.ac.nz](http://www.naccq.ac.nz) From 2006, the proceedings will also appear in the ACM Digital Library.

2000: Wellington	2001: Napier	2002: Hamilton	2003: Palmerston North	2004: Christchurch	2005: Tauranga	2006: Wellington
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