

# Andy Cockburn

B.Sc.(Hons) Ph.D.

## Curriculum Vitae

**University Address** Department of Computer Science and Software Engineering  
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**Consultancy Address** Cockburn Human Interface Consulting Ltd.  
20 Gilmour Terrace, Lyttelton 8082  
New Zealand

**Telephone** +64 3 328 9043

**Date of birth** 23rd July 1966

**Date** July 12, 2016

## **Brief Summary**

### **International research reputation**

- Over one hundred and fifty publications in international journals and conferences.
- Elected to the CHI Academy (2015), which is an honorary group of individuals who have made substantial contributions to the field of human-computer interaction.
- Recipient of the 2009 Chris Wallace award for the outstanding research contribution to Computer Science (2005-2007) in Australasia.
- Deputy Chair of the national panel for assessing Computer Science and Mathematics research quality (MIST PBRF panel, 2016-2019).
- Papers co-chair for the ACM CHI conference, 2014 and 2015. Subcommittee chair for CHI 2011.
- Editorial Board Member for: ACM Transactions on Computer-Human Interaction (2012-); Human-Computer Interaction Journal (2015-); International Journal of Human-Computer Studies (2004-2013); Interacting with Computers (2003-2013).
- Best paper awards at CHI 2011, CHI 2012 and CHI2013 (awarded to the top 1% of submissions) and ten Honourable Mention awards (top 5%) at ACM CHI.
- H-index impact factor of 41 (Google Scholar).

### **Excellent educator and public speaker**

- Long track record of outstanding student evaluations.
- Nominated for the New Zealand National Tertiary Teaching Award, 2010. Recipient of a University of Canterbury Teaching Award (2004) and many nominations for student-elected 'lecturer of the year' award.

### **Experienced expert witness and consultant**

- Testifying expert on behalf of Apple in Apple versus Samsung (Northern District of California, Judge Koh). 2014. The jury determined that both Apple patents on which I gave evidence were valid and infringed by Samsung (one willfully).
- 28 hours of testimony during trial and 16 hours of concurrent evidence 'hot-tub' (Federal Court of Australia, Justice Bennett and Yates). 2011-2013. Settled prior to verdict.
- 10 hours of deposition hearings (Northern District of California).
- Science advisor for Logitech Inc. 2006-2011.

## Education

Degree PhD (June 1993)  
Discipline Computer Science — Computer Supported Cooperative Work  
Location University of Stirling, Scotland  
Thesis Title Groupware Design: Principles, Prototypes, and Systems

Degree BSc(Hons) (July 1988)  
Discipline Computer Science  
Location University of York, England

## Employment History

Position Professor (promoted through lecturer, senior lecturer, associate professor)  
Location University of Canterbury  
Christchurch  
New Zealand  
Period June 1993 — current

## Major Consulting Roles

Role Expert witness for Weil, Gotshal & Manges, counsel for Apple Inc.  
Case Motorola Mobility Inc. versus Apple Inc. Southern District of Florida.  
10-CV-23580-RNS-TEB and 12-CV-20271-RNS-TEB  
Dates October 2013 – March 2014 (case dismissed by the parties)

Role Expert witness for Gibson, Dunn & Crutcher, counsel for Apple Inc.  
Case Apple Inc. versus Samsung Electronics Co. Ltd. Northern District of California.  
12-CV-0630-LHK  
Dates June 2013 – June 2014

Role Expert witness for Herbert Smith Freehills, counsel for Apple Inc.  
Case Apple Inc. versus Samsung Electronics Co. Ltd. Federal Court of Australia.  
NSD 1243 of 2011  
Dates September 2011 – May 2013

Role Science Advisor for Logitech Inc.  
Dates May 2005 – 2011

## Research Student Supervision

### PhD candidates

<b>Student</b>	<b>Years</b>	<b>Project/Thesis Title</b>
Joshua Leung	2013–	Improving File Navigation User Interfaces
Philip Quinn	2012–2016	Economic Behaviour & Psychological Biases in HumanComputer Interaction
Thammathip Pium-somboon	2011–2015	Adaptive and Multimodal Interfaces for Collaborative Augmented Reality
Joey Scarr	2011–2014	Improving Interaction with Spatial User Interfaces
Stephen Fitchett	2010–2013	Understanding and Improving Personal File Retrieval
Susanne Tak	2008–2011	Improving Interfaces for Window/Task Switching
Jason Alexander	2006–2009	Improving Interfaces for Document Navigation
Joerg Hauber	2004–2008	Understanding Remote Collaboration in Video Collaborative Virtual Environments
Julian Looser	2003–2007	AR Magic Lenses: Addressing the Challenge of Focus and Context in Augmented Reality
Volkert Buchmann (A. sup.)	2004–2008	Haptic Feedback in Augmented Reality
Carl Cook (A. sup.)	2002–2006	Collaborative Software Engineering
Tim Wright	2000–2004	Collaborative and Multiple-Notation Programming Environments for Children
Michael Jason-Smith	2000–2006	User Interfaces for Temporal Awareness

### M.Sc. candidates

Ben McDonald	2010–2011	Multuser interaction with large public displays
Dominic Winkler	2009–2011	Interaction Techniques for Cross Context Activities
Taher Amer	2005–2006	Evaluating SwiftPoint
Trond Nilsen	2004–2006	Hybrid Interfaces in Augmented Reality
Joshua Savage	2003–2004	The Calibration and Evaluation of Speed-Dependent Automatic Zooming Interfaces
Ben Schmidt	2001–2002	A Study of Bimanual Interaction
Elizabeth Ng (A. sup.)	1997–1998	Pen-based music input
Aaron Tay	1994–5	End-User Tailorability in Workflow Design

## Honours candidates and Honours-level interns

Joel Harrison	2012	Improving Command Selection
Joshua Leung	2012	Improving File Access
J. Delamarche (Paris-Sud)	2010	Multiple Trajectory Pointing Methods
Joey Scarr	2010	Improving Expertise Development in User Interfaces
Stephen Fitchett	2009	Improved Mobile Scrolling Interfaces
Philip Quinn	2007	Improving Command Interfaces
Keith Humm	2007	Improving Interfaces for Task Switching
Jason Alexander	2005	Improving Document Navigation with Space-Filling Thumbnails
Philip Brock	2005	An Investigation of Target Acquisition with Visually Expanding Targets in Constant Motor-Space
David Mitchell	2003	Evaluating Focus+Context Screens
Andrew Wallace	2003	Calibrating Speed-Dependent Automatic Zooming
Andrew Barrett	2002	Implementing RSVP as an Image Browser
Julian Looser	2002	3D Games as Motivation in Fitts' Law Experiments
Joshua Savage	2002	Implementing and Evaluating Speed-Coupled Scrolling
Amal Siresena	2002	Mobile Text Entry
Michael Moyle	2001	An Evaluation of Simple Gesture Based Controls
Lee Butts	2001	Mobile Phone Text Entry
Eddie Edwards	2001	Towards Scalable Interfaces Using Spatial Cues
Gene Thomas	1997	Smart Desktop
Olof Eilert	1997	User Interfaces for Object Oriented Literate Programming
Philip Weir	1996	Distortion Oriented Workspace Awareness
Carey Evans	1996	Assisting World Wide Web Navigation
Justin Macfarlane	1995	Mawd: A Collaborative Analysis Tool
Carl Cerecke	1995	TRAIL: An Email Based CSCW Toolkit
Andrew Bryant	1995	Leogo: An Equal Opportunity Programming Environment
Ian Bosely	1994	SPI: A Social Presence Indicator

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