

Alan Peter Boykiw

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EDUCATION

- 1993** **Master of Arts** - School of Canadian Studies
Carleton University, Ottawa
- 1982** **Bachelor of Industrial Design** - with Distinction
Carleton University, Ottawa

AWARDS

- 2000-2002** Most Effective Teaching Team (UQ) - nominated for Federal tertiary education award
Most Effective Teacher (UQ) - chosen by Dean's List for High Achievement students (2000, 2001)
- 1989-1997** Awards of Excellence - Bell Northern Research/Nortel Networks, 8 patents and design registrations.

EMPLOYMENT – ACADEMIC

- Present** **Academic Chair** - Southern Alberta Institute of Technology (SAIT): Manufacturing & Automation,
Mechanical Design, Engineering, and Automated Systems Technology programs.
- 2006–2008** **Instructor** - SAIT: Mechanical Design Technology – Industrial design, model-making, visual
communication skills and innovative studio project courses.
- 2003-2005** **Design Head, Associate Professor** - Emily Carr Institute of Art, Design and Media.
- 2002** **Associate Director** - University of Queensland, Information Environments Program,
School of Information Technology and Electrical Engineering.
- 2000-2002** **Senior Lecturer (Associate Professor)** - University of Queensland: Information Environments
- 1995-2000** **Adjunct Professor** - University of Calgary: Faculty of Environmental Design
- 1989-94** **Assistant Professor** - Carleton University: School of Industrial Design (granted tenure)

EMPLOYMENT - PRIVATE SECTOR

- 2003-2004** **Lead Design Researcher** - New Media Innovation Centre
Responsible for the development of the research program into Rich Media with relevance to industry
partner challenges – Sony, Electronic Arts, IBM, Sierra Wireless, BCCampus
- 1998-2000** **Product Design Manager** – Design Interpretive, Nortel Networks (Ottawa)
Supervision and development of staff, contractors and budget management. Responsible for
customer research, user experience and advanced technology application of VOIP communication
products and services
- 1994-98** **Regional Lab Manager** - Corporate Design Group, Nortel (Calgary)
Established and managed a regional design lab working with multiple business units. Responsible for
strategic program and budget development, portfolio continuity, project prioritization and
management, contractor supervision, liaison with marketing and technology disciplines and people
development.
- 1984-89** **Industrial Designer** - Bell Northern Research (Northern Telecom)
Product design and definition, graphic design, consumer research programs, initial creative concepts
to manufacturing support, strategic project management, liaison with manufacturing and marketing
divisions.
- 1983** **Senior Graphic Designer** - National Capital Commission - Government of Canada. Project
management, staff supervision, communication design, creative direction.
- 1982-present** **Alan Boykiw Design** - Registered company involved in a broad design portfolio: Logotypes, brand
and image programs, product and interface design, information display, furniture, advertising, and
audio-visual design. Contracts for public and private enterprise.

RESEARCH AND PUBLICATIONS

- 2003 Boykiw, A., Hay, S., "Visual Interaction Design Document: Treatment Symptom Search." *NewMIC Design Research Document, July 16, 2003.*
- 2003 Mandryk, R., Boykiw, A., Darvill, D., Hay, S., "Measuring and Enhancing Human Experience With Computer Games Using Psycho-physiological Techniques." *NewMIC Report, Rich Media Entertainment, June 1, 2003.*
- 2002 Boykiw, A. P., "Creating authentic project environments for deeper learning", in *Proceedings of the 13th Annual Conference for Australasian Association for Engineering Education, AAEE 2002 Conference Leadership in Learning: Learning in Leadership Engineering Education*, ed Krishna Shankar, University of New South Wales, Canberra, ACT.
- 2001 Boykiw, A., Brown, A., MacColl, I., "Implementing flexible learning: creating new learning environments for computer science students." In *Edited forum papers, 15th ODLAA Forum, 2001 Education Odyssey: Journey through adaptation and innovation.*
- 2001 Boykiw, A., Brown, A., "Creating authentic technology environments for immersive learning." In *Proceedings of Ascilite 2001 conference, Meeting at the Crossroads.*
- 1999 Boykiw, Weisskopf, Mason, Langlois, "Ethernet Phone: User Interaction Design Specification", *Nortel Networks design document.*
- 1999 Boykiw, Weisskopf, "Call Control Soft Client CTXIP/TPN: User Interaction Design Specification", *Nortel Networks design document.*
- 1998 Boykiw, Lepack, Weisskopf, Cariou, Johnson, Langlois, "Nortel Information Appliance: Industrial Design and User Interface Specification", *Nortel design document.*
- 1995 Boykiw, Brisebois, Weisskopf, Humphreys "System 9000 (Venture), TAD set: Detailed User Interface Specification", *Nortel design document.*
- 1993 "Centering the Margins: The Realities and Possibilities of Industrial Design in Canada", M.A. thesis.
- 1993 "Shower System for the Elderly", *Leadership in Health Services*, Canadian Hospital Association, September/October 1993.
- 1992 "The Rigidity of Our Discontent", *Shaping the 90s*, Design Education Conference. Published proceedings, April 1992.
- 1991 "The Pope Screams at Idaho III and V". A visual essay exploring the marginality of industrial design in Canada.
- 1991 "Idaho IV" Sculpture: Semantics of computing recognizance.
- 1991 "Idaho" Sculpture: Telecommunications unskinned and earthed.

RESEARCH AND TRAVEL GRANTS

- 2004 Canadian Foundation for Innovation – Key contributor to the development of the successful application for funding the Intersections Digital Studio at Emily Carr Institute – input was overall research intent, structure and prototyping equipment proposal. \$3.8 mil.
- 2002 Co-operative Research Centre for Interaction Design – Core team member in proposing the research centre, developing the research program and successfully presenting the business plan. Successfully received AUD\$12 mil grant over five years.
- 2002 "Mobility value and device characteristics that contribute to preferred internet service experience in the residence", New staff research grant University of Queensland - \$9,800
- 1999 "Ethernet Phone: User Interaction Design Specification", Nortel Networks - \$20,000
- 1999 "Call Control Soft Client CTXIP/TPN: User Interaction Design Spec", Nortel Networks - \$25,000

- 1998** "Nortel Information Appliance: Industrial Design and User Interface Specification", Nortel Networks - \$30,000
- 1993** "Industrial Design and the Health Industry", Health Economic Development Office, Ontario Ministry of Health, Travel grant - \$500
- 1992** Inglis Canada - in support of conceptual product research - \$2,000
- 1991** Inglis Canada - in support of conceptual product research - \$5,000
- 1990** DAAD Travel Grant to Germany - \$7,000
- 1990** Department of National Defense - in support of lightweight field furniture design - \$2,000

SPEAKING INVITATIONS

- 2005** The Banff New Media Institute, The Banff Centre. Summit: Bodies in Motion: Memory, Personalization, Mobility and Design - *"Mobility and the future of learning: What memories do we need to access?"*
- 2005** Industrial Design Society of America Western Conference - *"Envisioning an Enduring Curriculum for 21st Century Students"*
- 2003** Vancouver User Experience Group: Panel member - *"Defining and defying a common language"*
- 2003** Vice Chancellor's Workshop on Innovation: *"Teaching and Learning Innovation at Ipswich"*
 State of Queensland Science Festival – Public Lecture: *"When the Computer Disappears"*
 Leo Howard Vacation School - Learning session: *"Are you the next Playstation designer?"*
 Design Institute of Australia - Seminar: *"User Interaction and Experience: Design-Test-Produce"*
 Software Engineering Australia - Workshop: *"Software Usability: Useful and Usable"*

EXTRAMURAL AND ADMINISTRATIVE

- 2006 - 2008** Program development committee – Mount Royal College: Industrial Design degree proposal.
- 2005 - 2006** Advisory committee – Computer Integrated Design, SAIT
- 2003 - 2005** Selection jury panel member – New Media Initiative Grant, NSERC and Canada Council
- 2003** International Advisory Committee – Co-operative Research Centre for Interaction Design (Aus)
 OZCHI 2003 Founder and Conference Program Committee (Aus) – New Directions in Interaction: Information Environments, Media and Technology
- 2000-2002** Engineering, Physical Sciences and Architecture Faculty Board (UQ)
 Teaching and Learning Committee, School of ITEE
 Marketing Coordinator, Information Environments Program
 Design Institute of Australia
 Software Engineering Australia
- 1996-2000** Product Design and Management Association member
 Design Management Institute member
- 1995-2000** Industrial Design advisory board - Faculty of Environmental Design, University of Calgary. Member of invited guest panel on interdisciplinarity. Advisor to Masters thesis students.
- 1992-93** Elected member of Carleton University Senate.
- 1991-92** Adjudication Advisor - Canada Awards for Business Excellence. Industry Science and Technology Canada. Industrial design category - subject matter expert.

DESIGN PROJECT HISTORY

Product Design Manager - Corporate Design Group of Nortel Networks

- 1999** **VOIP Phone, i2004** – Managed the value proposition definition and customer research. Led designers to deliver hardware and user interface to market. Instrumental in developing user centered system.
- 1997** **Nortel Internet Information Appliance** - Developed product value proposition of the world's first Java based screen phone in conjunction with business and technology groups. Led industrial design and interface designers to deliver a world first graphic user interface product to trial.
- 1996** **Cordless portfolio evolution** - Led design team in evolution of Calling Line ID portfolio brand for manufacture.
- Research concepts for evolution of Norstar product line - Led design team in producing stimulus to examine market potential for portfolio evolution and wireless products.
- Electronic cash** - Led design team in definition and design of a module for the Powertouch product line for access to electronic cash in the home.
- 1995** Residential consumer portfolio evolution strategy based on user and channel value.
- Dual mode wireless - Led research and design team in defining appropriate product configuration for cordless plus wireless product.
- 1995** **Venture** - Led design team in defining and delivering design for manufacture of 3-line small business telephone system.

Principal - Alan Boykiw Design

- 1993** **Bell Northern Research** - Corporate Design Group
Industrial design of Magellan Passport customer premise fiber optic data switching equipment. Manufactured.
- 1992** **Bell Northern Research** - Data Products Division
Industrial design of customer premise data line concentrator. Sheet metal housing and plastic bezel designed to maximize cooling efficiency and aesthetic acceptability in office environment. Manufactured.
- 1990** **Bell Northern Research** - Data Products Division
Industrial design of Digital Signal Processing Unit. Innovation achieved in configuring hardware, circuit boards, and software cartridge leading to size reduction integral to market acceptance. Sheet metal housing with plastic faceplate. Manufactured.
- 1990** **Bell Northern Research** - Data Terminals
Injection moulded faceplate bezel design for 'secure' terminal. Design of controls and display areas for ease of use. Manufactured.
- 1990** **Northern Telecom** – Residential division
Industrial and graphic design of Telephone Set and Standalone Add-on for retail market. Upper housing redesign of Maestro telephone set to achieve market differentiation without large capital expenditure. Standalone Add-on production - 20,000 units/year.
- 1989** **Bell Northern Research** - Design Interpretive
Industrial design of cross-connect for addition to Norstar common equipment to satisfy European market requirements. Production - 10,000 units/year.
- 1989** **Northern Telecom** - London, Ontario
Graphic design of packaging for Maestro telephone set.
- 1982-88** **National Capital Commission**
Interactive permanent display addition in Gatineau Park Visitor Centre, temporary thematic exhibits, Gatineau Park interpretive trail guides, and other graphic design assignments.

Canadian Chamber of Commerce

Visual and layout design of quarterly magazine Impact - premiere issue Spring 1987. Identity design for groups within the Chamber.

Industrial Designer - Bell Northern Research

- 1988-89** **Maestro** telephone set - World's first Calling Line Identification telephone. Multi-disciplinary project involving two phases of consumer research (focus group and interview) and associated user testing. Industrial design maintained group focus, project direction and marketable usability. U.S. design Patent, Cdn. I.D. registration. Production - 300,000 units/year.
- 1988** **Teledapt Jacks** - business and residential.
Innovation introduced via updated colour, sliding dust cover and inserts in moulding tools to accommodate multiple market requirements. Design registrations filed. Production - 200,000 units/year.
- 1987-88** **Business Handset** - An intensive, high security design program was initiated to use consumer research to expose the parameters inherent in an up-to-date and comfortable handset. 12 different handsets were designed to explore the variables. I introduced data analysis techniques that organized response into usable industrial design information. 2 U.S. Design Patents. Approximately 35 million produced to date.
- 1987** **International Visit Center** - Marketing tool for Northern Telecom. Design of space layout, audio-visual components and display cabinetry to allow promotion of corporate product lines and effective customer visits.
- 1986-87** **Shoulder Rest** - Design allows comfortable cradling of 1982 business handset. Consumer use/research component was critical to success. U.S. Design Patent, Cdn. I.D. Registration. Production - 50,000 units total.
- 1984-89** **Disc Drive** for Data/Voice Workstation. Production - 10,000 units total.
- Acoustic research** design study. U.S. Design Patent.
- Colour Study** for residential lease-based marketplace. Analysis, trends, and predictions delivered for colour acceptance of Solo, dial-in-hand telephone.
- Exploratory demonstration of future communication products and technology configuration for executive presentations and research.
- Graphic design for M3000 Touchphone, Maestro labeling, Solo logotype for set identification and marketing promotion.