

D . A N D R E W S T E W A R T

Orchestral, chamber and interactive music composer
Digital musical instrumentalist
Real-time software systems designer
Computer music educator

dandrewstewart.ca
contact@dandrewstewart.ca

A C A D E M I C B A C K G R O U N D

Postdoctoral Research	Concordia University · MATRALAB Montreal, Canada lab director · Sandeep Bhagwati	2011
Doctor of Music	McGill University · Montreal, Canada advisor · John Rea	2010
Diploma in Advanced Studies	Koninklijk Conservatorium · voor Muziek en Dans, Instituut voor Sonologie The Hague, The Netherlands advisor · Louis Andriessen	1999
Master of Music	University of British Columbia · Vancouver, Canada advisor · Keith Hamel	1996
Bachelor of Music	Wilfrid Laurier University · Waterloo, Canada	1994
composition ·	John Rea, Sean Ferguson, Martin Matalon, Louis Andriessen, Martijn Padding, Clarence Barlow, Paul Berg, Roger Reynolds, Christopher Rouse, Keith Hamel, Alexina Louie, Glen Buhr, Peter Hatch	
piano ·	Leslie Kinton, Guy Few	
voice ·	Noel Edison, Huub Kerstens	
percussion ·	David Campion	
digital musical instruments ·	Autodidact	
music technology ·	Marcelo M. Wanderley	
music perception and cognition ·	Stephen McAdams	

A W A R D S · H O N O U R S · R E S E A R C H F U N D I N G

Sound of Migration International Residencies and Collaborative Concerts · 2020
The Canada Council for the Arts, Explore and Create: Concept to Realisation
Board of Governors Research Chair, Tier II · 2017-2020
The University of Lethbridge

- Interactive Art, Science, and Technology in Western Canada · 2018
Social Sciences and Humanities Research Council of Canada Connection Grant Program
- Augmented Instruments Laboratory Residency: New Music for Digital Musical Instruments · 2017
The Canada Council for the Arts, Explore and Create: Research and Creation
- Community of Research Excellence Development Opportunities · 2015-2017
The University of Lethbridge
- Engagement at 13th International Conference on New Interfaces for Musical Expression · 2013
The Alberta Foundation for the Arts, Cultural Relations Project Grant
- The University of Lethbridge Research Fund · 2012
The University of Lethbridge
- Joseph S. Stauffer Prize in Music · 2011
The Canada Council for the Arts, Prizes
- Residency at the Mexican Centre for Music and Sonic Art · 2011
The Canada Council for the Arts, Grant to Professional Musicians
- Postdoctoral research and creation scholarship · 2010-2012
Le Fonds québécois de la recherche sur la société et la culture (FQRSC)
- Modes of Performance on the T-stick Digital Musical Instrument · 2010
The Canada Council for the Arts, Grant to Professional Musicians
- SonicJumper—immersive gestural-controller body-suit and T-Stick—physical input device · 2009
The Canada Council for the Arts, Solo Project Grant
- Research Assistant, McGill Digital Orchestra · 2005-08
Centre for Interdisciplinary Research in Music, Media and Technology (CIRMMT)
McGill University and Le Fonds québécois de la recherche sur la société et la culture (FQRSC)
- Director's Interdisciplinary Excellence Prize · 2006
Centre for Interdisciplinary Research in Music, Media and Technology (CIRMMT)
McGill University
- Phyllis and Bernard Shapiro Fellowship in Theory · 2004-05
for graduate studies at McGill University
- Grant to Individual Musicians, The Canada Council · 1998
for studies in Den Haag, The Netherlands
- Scholarship recipient from The Foreign Government Awards Program, NUFFIC · 1997
The Hague, The Netherlands
- Fellowship in Composition from the Tanglewood Music Center, Summer Session · 1997
Boston, MA, United States
- J. B. C. Watkins Award, The Canada Council · 1996
for studies in Den Haag, The Netherlands
- First prize recipient of the Sir Ernest Macmillan Award · 1996
SOCAN
- First prize recipient of the Pierre Mercure Award · 1996
SOCAN
- Scholarship for Graduate Studies · 1996
British Columbia Ministry of Small Business, Tourism and Culture
- Second prize recipient in the Canadian Composers' Competition · 1995
The Winnipeg New Music Festival, Winnipeg, Canada
concert presented live to air on the Canadian Broadcasting Corporation

First prize recipient of the Sir Ernest Macmillan Award · 1994
SOCAN

COMMISSIONED ARTWORK

Working song and the last dead leftover: string quartet and karlax digital musical instrument · 2016
Commissioned by Penderecki String Quartet, Kitchener-Waterloo, Canada

A bear whispers for clarinet and percussion · 2014
Commissioned by Ensemble In Extensio, Montreal, Canada

Soundwalk Comprovisation: T-Stick and Soundscape Composition · 2013
The Canada Council for the Arts, Commissioning of Canadian Compositions

Biameral mind, prologue for audio-streaming clarinet-controller · 2010
Commissioned by Conseil des arts et des lettres du Québec for Jean-Guy Boisvert, Montreal, Canada

Catching Air and the Superman for keyboard, digital t-sticks and chamber orchestra · 2009
Commissioned by the McGill Contemporary Music Ensemble, Montreal, Canada

Biameral mind for audio-streaming clarinet-controller · 2008
Commissioned by Jean-Guy Boisvert, Montreal, Canada

ROSA in... · 2005
Commissioned by ROSA Ensemble, Amsterdam, The Netherlands

«on tour» with for chamber orchestra and electronics · 2004
Commissioned by l'Ensemble contemporain de Montréal+, Montreal, Canada

TROMBONE pour l'orchestre d'harmonie · 2004
Commissioned by the Orchestre National d'Harmonie des Jeunes, Paris, France

Time Out for percussion duo · 2001
Commissioned by Duo Vertigo, Amsterdam, The Netherlands

The poet of rhythm and skunk, DJ Ninja Mastermix Coldcut Panic A.K.A. Sven Love my Body A.K.A. The
Garage Man and Coma Dan · 2001

Commissioned by Ensemble Symposium, Vancouver, Canada
Rogues' Gallery for bayan and wind orchestra · 2001
Commissioned by An Raskin and Harmonie O&U Beek en Donk, Tilburg, The Netherlands

If...live/had lived/lived...would have/would/will...in Paris. · 2001
Commissioned for Ensemble 3, Mexico City, Mexico

Slip of the tongue for trumpet, snare drums and electroacoustic mix · 1999
MusikFabrik, Köln, Germany

Breathe for recorder quartet and electronics · 1998
Commissioned by het Malle Symen Quartet, Amsterdam, The Netherlands

The ART of Japanese Bed-fighting for voices, percussion and fixed media · 1997
Commissioned by The Canada Council for the Arts for SoundOperations, Vancouver, Canada

Locus Graffio I · 1997
Commissioned by Orkest de Erepijs, Appeldorn, The Netherlands

How long is a day in the dark · 1997
Commissioned by Koor Nieuwe Muziek, Amsterdam, The Netherlands

SELECTED COMPOSITION PERFORMANCES

Dweller within, for soprano t-stick, adapted for sopranino t-stick · February 2020

D. Andrew Stewart, sopranino t-stick

Live@CIRMMT, Centre for Interdisciplinary Research in Music Media and Technology, McGill University

Montreal, Canada

Ritual, for karlax, digital musical instrument · May 2018

D. Andrew Stewart, karlax

Augmented Instruments Lab: Live at IKLECTIK

London, United Kingdom

Fischermanns Orchestra featuring Bruno Spörri and D. Andrew Stewart · March 2018

D. Andrew Stewart, karlax

Jazzwerkstatt Bern (Experimental Jazz Factory)

Bern, Switzerland

WITH WINDS/packing a lunch !, for soprano t-stick, digital musical instrument · April 2011

D. Andrew Stewart, soprano t-stick

Open Ears Festival with support from NUMUS

Kitchener, Canada

Everybody to the power of one for t-stick, digital musical instrument · September 2008

D. Andrew Stewart, soprano t-stick

Inaugural ceremony of Montreal-based new music collective Le Vivier

Codes d'accès and Société des arts technologiques

Montreal, Canada

I'm a dancin'—SAWDUST for string quartet · July 2006

Penderecki String Quartet

Casalmaggiore International Festival 2006

Casalmaggiore, Italy

«on tour» for chamber orchestra and live-electronics · November 2004

l'Ensemble contemporain de Montréal

Génération 2004 Canadian Tour

TROMBONE for wind orchestra · July 2004

L'Orchestre National d'Harmonie des Jeunes

National Tour 2004

France

Egregious Quiddity for piano · February 2003

Christine Cornier-Langlois

UNESCO Headquarters

Paris, France

Rogues' Gallery, concerto for bayan (accordion) and wind orchestra · December 2002

An Raskin, bayan

Harmonie O&U Beek en Donk, Frenk Rouschop directing

Tilburg, The Netherlands

Slip of the tongue for trumpet, snare drums and electroacoustic mix · October 1999

MusikFabrik

Köln, Germany

Breathe for recorder quartet and live-electronics · March 1999

Malle Symen Quartet

Festival for Contemporary Recorder Music

Salzburg, Austria

RESEARCH

Digital Lutherie: from Augmented to Digital Musical Instrument 2015—2017

Digital Audio Arts, University of Lethbridge

Systematising composition and performance practices for augmented and digital instruments.

Karlax Digital Musical Instrument Meetings and Workshops 2015

Centre for Interdisciplinary Research in Music Media and Technology, McGill University

Developing notational practices for gesture-controlled electroacoustic music.

T-Stick Composition Workshops 2010—2011

MATRALAB, Concordia University (Montreal), Electronic Music Foundation (New York City), New

Adventures in Sound Art (Toronto)

Developing performance practises and repertoire with national and international artists.

Concurrence and Counteraction in Digital Musical Instrument 2010—2011

Hexagram-MATRALAB, Concordia University Montreal, Canada

Digital Music Composition and Performance

Expanded Musical Practice Axis: McGill Digital Orchestra 2005—2009

Centre for Interdisciplinary Research in Music Media and Technology

McGill University, Montreal, Canada

real-time software systems design and implementation, particularly for live electronics performance; digital instrument / controller design; human-computer interaction; gesture acquisition; gesture-controlled audio systems; gesture / sound mapping strategies; new computer music ensembles for performance and pedagogy; methodologies for education in computer music

The Institute of Sonology, The Hague, The Netherlands 1996—1999

real-time software systems design and implementation, particularly for computer music (e.g. synthesis, analysis, performance); voltage-controlled synthesis; algorithmic composition

EMPLOYMENT HISTORY

Associate Professor · Music and Digital Audio Arts Sept. 2011—current

The University of Lethbridge, Alberta

Instructor · Digital Studio Composition Sept. 2004—May 2008

McGill University, Quebec

Elementary school teacher · Choral music Sept. 1998—May 1999

Montessori Buitenveldertse School, Amsterdam, The Netherlands

Instructor · Orchestration Sept. 1995—April 1996

The University of British Columbia, British Columbia

SOFTWARE PROFICIENCY

Max/MSP · Logic Pro · Cubase · Digital Performer · Pro Tools · Ableton Suite · Peak · AudioSculpt · OpenMusic · SoundHack · Audacity · Finale · SuperCollider · CSound · Final Cut · Adobe Premiere · PageSpinner

PUBLICATIONS

•articles and proceedings•

- Stewart, D. A. (2016, September). Karlax Performance Techniques: It Feels Like (In the proceedings of the 2016 International Computer Music Conference). Utrecht, The Netherlands: HKU University of the Arts and Gaudeamus Muziekweek.
- Stewart, D. A. (2011, June). The Power of One: Performance Modes on the T-Stick Digital Musical Instrument. *eContact!*. (Canadian Electroacoustic Community)
<http://econtact.ca/13_3/stewart_tstick.html>.
- Stewart, D. A. (2010, June). Vigorous Music-making: The Inherent “Liveliness” of a T-stick Instrumentalist. (In the proceedings of the 2010 International Computer Music Conference). New York, United States: New York University.
- Pestova, X., Donald, E., Hindman, H., Malloch, J., Marshal, M. T., Rocha, F., Sinclair, S., Stewart, D.A. et al. (2009, Aug.). The Digital Orchestra Project (In the proceedings of the 2009 International Computer Music Conference, ICMC / ICMA). Montreal, Canada: McGill University.
- Stewart, D. A. (2006, June). SonicJumper composer. (In the proceedings of the 6th International Conference on New Interfaces for Musical Expression). Paris, France.

•peer reviewed conference/symposia presentations•

- Stewart, D. A., D. Cooley, M. V. Leeuwen and D. Fredrickson (2019, October). Objects Dream. (Collaborative presentation at the interdisciplinary symposium, Crossing Boundaries). Lethbridge, Canada: University of Lethbridge.
- Stewart, D. A. (2015, June). Music for Digital Instruments: Challenges and Solutions. (Lecture-demonstration delivered at the 2015 Canadian University Music Society Annual Conference). Ottawa, Canada: Congress of the Humanities and Social Sciences.
- Stewart, D. A. (2010, August). The Power of One: Performance Modes on the T-Stick Digital Musical Instrument. (Talk delivered at the 2010 Toronto Electroacoustic Symposium). Toronto, Canada: Canadian Electroacoustic Community / New Adventure in Sound Art.
- Stewart, D. A. and J. Malloch (2010, Mar.). Concurrence and Counteraction in Musical Gesture and Form. (Talk delivered at the 2010 International Conference of Music and Gesture). Montreal, Canada: McGill University.
- Stewart, D. A. (2009, June). Digital Musical Instrument Composition: Limits and Constraints. (Paper / talk delivered at the 2009 Electroacoustic Music Studies Network conference, EMS). Buenos Aires, Argentina: Universidad Nacional de Tres de Febrero.
- Rocha, F. and D. A. Stewart. (2007, February). Collaborative Projects for Percussion and Electronics. (Paper session of Roots and Rhizomes: Seventy-Five Years of Percussion Music). San Diego, USA.
- Stewart, D. A., J. Malloch and others. (2007, October). CIRMMT Labs: New Musical Instruments. (Instrument demonstrations at Pop & Policy). Montreal, Canada.
- Malloch, J. and D. A. Stewart. (2006, May). La création d'un nouvel instrument de musique numérique. (Poster presentation at the 74e Congrès de l'Association francophone pour le savoir). Montreal, Canada.

•guest talks and lectures•

- Stewart, D. A. (2020, February). x¹: Performance Principles of a T-Stick Instrumentalist. (Guest lecturer at the Colloquium d'études supérieures en composition et création sonore). Montreal, Canada: Université de Montréal.

- Stewart, D. A. (2019, November). Workshop on the T-Stick. (Workshop leader, organised by Research Axis 1, Instruments, devices and systems and Research Axis 4, Expanded musical practice). Montreal, Canada: Centre for Interdisciplinary Research in Music Media and Technology, McGill University.
- Stewart, D. A. (2018, November). Music for Digital Instruments: Challenges and Solutions. (Invited speaker to Music in New Technologies). Halifax, Canada: Vocalypse Productions, Upstream Music Association and the University of Kings College.
- Stewart, D. A. (2018, February). Sound-control workshop. (Workshop for Faculty of Media Arts at Jan Evangelista Purkyně University). Ústí nad Labem, Czech Republic: Jan Evangelista Purkyně University.
- Stewart, D. A. (2011, November). Control Surfaces and Mapping. (Masterclass for the University of Alberta's Interactives Group). Edmonton, Canada: University of Alberta.
- Stewart, D. A. (2011, February). Shake, rattle and roll : Or how to create music for digital musical instruments. (Talk delivered at The Ghost in the Machine: Technologies, Performance, Publics; hosted by The Institute for the Public Life of Arts and Ideas Improvisation, Community and Social Policy). Montreal, Canada: Schulich School of Music, McGill University.
- Stewart D. A. (2010, December). The Power of One: Performance Modes on the T-Stick Digital Musical Instrument (Talk delivered at The Electronic Music Foundation Studios). New York, USA
- Stewart, D. A. (2009, Jan.). Digital Musical Instrument Composition: Practising Air and the Superman. (Talk delivered to the Canadian New Music Research Group). Montreal, Canada.

• thesis •

- Stewart, D. A. (2010, Jan.). Catching Air and the Superman. (Doctor of Music Thesis). Montreal, Canada: McGill University.

• recordings •

ROSA VIERT ROSA. (2007). Amsterdam, The Netherlands: ROSA ENSEMBLE.

don't panic!, 60 seconds for piano (2001) (Guy Livingston, piano). Mainz, Germany: WERGO.

• other •

- Stewart, D. A. (2017, December). Jimmy Raps with live writing and a MYO. (Performance at the 2017 International Conference on Live Coding, ICLC). Morelia, Mexico: Centro Mexicano para la Música y Artes Sonoras.
- Stewart, D. A. (2017, May). Jimmy Raps with live writing and a MYO. (Performance at the 2017 Conference on New Interfaces for Musical Expression, NIME). Copenhagen, Denmark: Aalborg University Copenhagen.
- Stewart, D. A. (2015, July). Ritual of Karlax. (Performance at the 2015 Conference on New Interfaces for Musical Expression, NIME). Brisbane, Australia: Griffith University.
- Stewart, D. A. (2013, May). Still Life: Eviction, for soprano t-stick. (Performance at the 2013 Conference on New Interfaces for Musical Expression, NIME). Daejeon, Korea Republic: Korea Advanced Institute of Science and Technology.
- Stewart, D. A. (2011, June). WITH WINDS/packing a lunch !, for soprano t-stick. (Performance at the 2011 Electroacoustic Music Studies Network conference, EMS). New York: Electronic Music Foundation.
- Stewart, D. A. (2011, May). WITH WINDS/packing a lunch !, for soprano t-stick. (Performance at the 2011 Conference on New Interfaces for Musical Expression, NIME). Oslo, Norway: University of Oslo, Norwegian Academy of Music.

- Stewart, D. A. (2010, Apr.). Everybody to the power of one. (Performance at the CHI Media Showcase at the 28th Annual CHI Conference on Human Factors in Computing Systems). Atlanta, GA: ACM SIGCHI, Georgia Tech.
- McAdams, S. and D. A. Stewart (2009, Oct.). Workshop on Listening Through Time (Research workshop and Performance at the annual meeting of the Society for Music Theory). Montreal, Canada: CIRMMT, McGill University.
- Stewart, D. A. (2009, Aug.). Everybody to the power of one, for t-stick sonor-jo. (Performance at the 2009 International Computer Music Conference, ICMC / ICMA). Montreal: McGill University.
- Stewart, D. A. (2009, Feb.). Everybody to the power of one, for t-stick sonor-jo. (Performance and presentation at the Guthman Musical Instrument Competition). Atlanta, GA, USA: Georgia Tech Center for Music Technology.
- Stewart, D. A. (2002). Typically British. Paris Transatlantic Magazine. (Guy and Hugh Livingston. eds.) <www.paristransatlantic.com/magazine/monthly2002/03mar_text.html#6>.

RESIDENCIES

- Augmented Instruments Lab, Centre for Digital Music at Queen Mary University of London · 2018
London, United Kingdom
- Centro Mexicano para la Música y Artes Sonoras · 2012
Morelia, Mexico
- Casalmaggiore International Festival, workshop for composers · 2006
Casalmaggiore, Italy
- L'Orchestre National d'Harmonie des Jeunes, summer tour session · 2004
National tour, France
- Génération 2004, L'Ensemble contemporain de Montréal · 2004
National tour, Canada
- Festival for Contemporary Recorder Music · 1999
Salzburg, Austria
- Summer Course for Composers, ISCM Polish Section · 1998
Radziejowicach, Poland
- The International Young Composers' Meeting, Cultural Centre Gigant · 1997
Apeldoorn, The Netherlands
- Tanglewood Music Center, Summer Session · 1997
Boston, MA, United States
- American College Band Directors National Association · 1997
Conductor and Music Professor at the Symposium XXII For New Band Music
Richmond, Virginia, United States

RELATED PROFESSIONAL EXPERIENCE

- Arts Administration and co-founder · Musique Maintenant · Sept. 2004—Dec. 2005
Montreal, Canada
- Arts Administration and co-founder · Concerten Tot en Met · Sept. 1997—May 1999
artists' collective
Amsterdam, The Netherlands
- Radio Producer and On-air Personality · Radio, 101.9MHz · Nov. 1995—Sept. 1996
Vancouver, Canada

Sound engineer · The University of British Columbia · Sept. 1995—Sept. 1996
Vancouver, Canada
Arts Administration · Vancouver Pro Musica · Sept. 1994—Sept. 1996
Vancouver, Canada

ACADEMIC SERVICES

•teaching•

Music Composition Fundamentals ·
University of Lethbridge
Interactive Computer Music and Computer-Assisted Composition ·
University of Lethbridge
Applied Research and Computer Music Composition ·
University of Lethbridge
Contemporary and Electroacoustic Music Ensemble ·
University of Lethbridge
Introduction to Music Technology ·
University of Lethbridge
Control Surfaces for Music Performance and Composition ·
Centro Mexicano para la Música y Artes Sonoras
Music Portfolio and Industry ·
University of Lethbridge
Post-tonal Music Theory ·
University of Lethbridge
Digital Studio Composition ·
McGill University

•graduate studies•

Supervisor of Master's of Music degree Sept. 2015—Aug. 2017
Student: Jon Martin | Thesis title: Open Windows: Timbre, Gesture, and Affective Response in
Electroacoustic Music. University of Lethbridge.
Co-supervisor of Master's of Music degree Sept. 2015—Aug. 2016
Student: Curtis Litchfield | Thesis title: Audio Extension of the Raspberry Pi. University of Lethbridge.
External examiner of Doctor of Music degree Jan. 2015—May 2016
Student: Barah Héon-Morissette | Thesis title: L'espace du geste-son, vers une nouvelle pratique
performative. Université de Montréal.

•committee participation•

Gender, Equity and Diversity, University of Lethbridge (Faculty Association)
Library and Facilities, University of Lethbridge (General Faculty Committees)
Graduate and Undergraduate Curriculum Development, University of Lethbridge
Grade Appeals, University of Lethbridge
General Faculties Strategic Planning, University of Lethbridge
Hexagram Director Search Committee, Concordia University
Graduate studies supervisory committee (External Examiner) at l'Université de Montréal

•refereeing/external review and examination•

International Conference on Live Coding External Reviewer
International Conference on New Interfaces for Musical Expression External Reviewer
International Computer Music Conference External Reviewer
Toronto International Electroacoustic Symposium External Reviewer
Insight Grant reviewer for The Social Sciences and Humanities Research Council of Canada
Alberta Foundation for the Arts Grant Jury Member

•director/chair/coordinator•

New Music LAB (Lethbridge, AB), President · 2020—current
University of Lethbridge Composers' Forum, coordinator · 2013—current
Integra Contemporary and Electroacoustics Ensemble, Music Director · 2012—current
International Computer Music Conference Chair · 2010

•memberships/affiliations•

Associate Composer, Canadian Music Centre
Associate member, Hexagram, Concordia University
Affiliate member, The Centre for Interdisciplinary Research in Music Media and Technology, McGill
University

L A N G U A G E S

English · native
French · fluent
Dutch · working knowledge