



# Adam R. Tindale

## *Curriculum Vitae*

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### **Current Position**

Permanent Instructor of Interaction Design,  
Head of Media Arts & Digital Technologies Area.  
Alberta College of Art + Design. 2007 - Present.

### **Education**

Interdisciplinary Ph.D. in Music, Computer Science, and Electrical Engineering.  
University of Victoria. 2009.

Masters of Arts in Music Technology. McGill University. 2004.

Bachelor of Music. Queen's University (1st Class). 2001.

### **Grants and Awards**

Scholarly Research + Creativity Initiative Grant. Alberta College of Art + Design. 2011.

Visual Arts and New Media Production Grant. Alberta Foundation for the Arts. 2010.

Faculty Professional Affairs Grant. Alberta College of Art + Design. 2010.

Alberta Creative Development Initiative Grant. Canada Council for the Arts. 2010.

Faculty Enrichment Fund Grant. Alberta College of Art + Design. 2009.

Marion Fund for Innovation in Research and Teaching Grant. Alberta College of Art + Design. 2009.

Faculty and Staff Research and Development Grant. Alberta Association of Colleges + Technical Institutes. 2009.

Faculty Mentored Student Innovation Grant. Alberta Association of Colleges + Technical Institutes. 2009.

Artist Scholarship for Interarrium Residency. Theatre of the New Heart. 2009.

Professional Activities Grant. Alberta College of Art + Design. 2008.

Graduate Society Travel Grant. University of Victoria. 2007.

Interdisciplinary University of Victoria Fellowship. University of Victoria. 2006–2007.

Special Dean's Scholarship in Electrical Engineering. University of Victoria. 2005.

Eaton Marianna Scholarship. McGill University. 2004.

Kingston Symphony Scholarship in Music. Queen's University. 1998, 2000, and 2001.

Queen's University Scholarship in Music. Queen's University. 2000.

Davies Scholarship in Music Performance. Queen's University. 2000.

Winner of Queen's Concerto/Aria Competition. Queen's University. 2000.



## Professional Experience

Permanent Instructor of Interaction Design, Media Arts & Digital Technologies Area. Alberta College of Art + Design. 2007 - Present. Head 2010 - Present.

Research Assistant. University of Victoria Assistive Technology Team. University of Victoria. 2006.

Teaching Assistant. University of Victoria. 2005–2007.

Research Assistant. George Tzanetakis. University of Victoria. 2005–2007.

Instructor. McGill University. 2004.

Teaching Assistant. McGill University. 2003.

Research Assistant. *Centre for Interdisciplinary Research in Music Media and Technology (CIRMMT)*. McGill University. 2003–2004.

Research Assistant. *New Directions in Chamber Music Project*. Concordia University. 2002.

## Workshops

Fyfe, L., and Tindale, A. Multi-touch Tabletop Music. *CCRMA Summer Workshops*. Stanford University, Palo Alto, CA, USA. 2010.

Tindale, A. ChucK Workshop. EMMEDIA. Calgary, AB, Canada. 2009.

Tindale, A. Controllerism. EMMEDIA. Calgary, AB, Canada. 2009.

Wang, G., Cook, P., Misra, A., Kapur, A., and Tindale A. Mapping Controllers with ChucK. *Conference on New Interfaces for Musical Expression*. Vancouver, BC, Canada. 2005.

## Residencies

Banff New Media Institute - Self Directed Creative Residency. Banff Centre. Banff, AB, Canada. 2011.

Visiting Researcher. CCRMA, Stanford University. Palo Alto, CA, USA. 2010.

Color Data Processing. TINTarts Lab. London, England. 2010.

Banff New Media Institute - Self Directed Creative Residency. Banff Centre. Banff, AB, Canada. 2010.

Senior Artist. Interactive Screen 0.9: The Makers. Banff Centre. Banff, AB, Canada. 2009.

Interarrium Interdisciplinary Residency. Banff Centre. Banff, AB, Canada. 2009.

Artist In Residence. EMMEDIA. Calgary, AB, Canada. 2008–2009.

## Selected Exhibitions

Tindale, A., and Tate, J. (Group Show) 2011. *Lossless Processing*. .GIF .JPG .PNG .TIF, HEREart. New York, USA.

Boatright, R., Tate, J., and Tindale, A. (Solo Ensemble) 2010. *TPTP in 6 Bits*. TPTP Space. Paris, France.

Tindale, A., and Tate, J. (Group Show) 2010. *Lossless Processing*. Unleashed Devices, TINT Arts & Watermans Art Centre. London, England.



## Collections

Tindale, A., and Tate, J. 2010. *Lossless Processing*. Rhizome Art Base. The New Museum. New York, New York, USA.

## Refereed Journal Papers

Tindale, A., Kapur, A., and Tzanetakis, G. 2011. Training Surrogate Sensors in Musical Gesture Acquisition Systems. *IEEE Transactions on Multimedia*. 13(1): 50–59.

## Refereed Conference Papers

Fyfe, L., Tindale, A., and Carpendale, S. 2011. JunctionBox: A Toolkit for Creating Multi-touch Sound Control Interfaces. In *Proceedings of the New Interfaces for Musical Expression Conference*. Oslo, Norway.

Tindale, A., Sprague, D., and Tzanetakis, G. 2007. Strike-A-Tune: Fuzzy Music Navigation Using a Drum Interface. In *Proceedings of the International Conference on Music Information Retrieval*, Vienna, Austria.

Tindale, A. 2007. A Hybrid Method for Extended Percussive Gesture. In *Proceedings of The Conference on New Interfaces for Musical Expression*, New York, NY, USA.

Tzanetakis, G., Kapur, A., and Tindale, A. 2006. Learning Indirect Acquisition of Instrumental Gestures using Direct Sensors. In *Proceedings of The International Conference on Multimedia Signal Processing*, Victoria, BC, Canada.

Kapur, A., Tindale, A., Benning, M., and Driessen, P. 2006. The KiOm: A Paradigm for Collaborative Controller Design. In *Proceedings of the International Computer Music Conference*, New Orleans, LA, USA.

Hechmer, A., Tindale, A., and Tzanetakis, G. 2006. LogoRhythms: Learning Functional Typed-Text Programming through Musical Composition. In *Proceedings of the ASEE/IEEE Frontiers in Education Conference*, San Diego, CA, USA.

Kapur, A., Yang, E., Tindale, A., and Driessen, P. 2005. Wireless Sensor Packages for Musical Expression. In *Proceedings of the Pacific Rim Conference on Communications, Computers and Signal Processing*, Victoria, BC, Canada.

Tindale, A., Kapur A., Schloss, A., Tzanetakis, G., and Driessen, P. 2005. Sensor Strategies for Percussive Interfaces. In *Proceedings of The Conference on New Interfaces for Musical Expression*, Vancouver, BC, Canada.

Tindale, A., Kapur, A., Tzanetakis, G., and Fujinaga, I. 2004. Retrieval of Percussion Gestures Using Timbre Classification Techniques. In *Proceedings of the International Conference on Music Information Retrieval*, Barcelona, Spain.

Tindale, A., Kapur, A., and Fujinaga, I. 2004. Towards Timbre Recognition of Percussive sounds. In *Proceedings of the International Computer Music Conference*, Miami, FL, USA.

## Theses

Tindale, A. 2009. *Advancing the Art of Electronic Percussion*. Ph.D. Dissertation, Interdisciplinary Studies in Music, Computer Science & Electrical Engineering. University of Victoria. Victoria, BC, Canada.

Tindale, A. 2004. *Classifying Snare Drum Sounds Using Neural Networks*. Masters Thesis, Music Technology. McGill University. Montreal, QC, Canada.



## Selected Conference Papers

- Tindale, A., and Tzanetakis, G. 2011. The E-Drum: A Case Study for Machine Learning in New Musical Controllers. *In Proceedings of The Conference on Interdisciplinary Musicology*. Glasgow, Scotland.
- Tindale, A. 2011. Designing Audio Reactive Visual Software. *In Proceedings of the Conference on Understanding Visual Music*. Montreal, QC, Canada.
- Tate, J, Boatright, R., and Tindale, A. 2011. Colour Data Processing: An Interactive Installation Exploring Digital and Analog Representations of Colour. *In Proceedings of the International Symposium on Electronic Art*. Istanbul, Turkey.
- Tindale, A., and Davies, R. 2008. i send data live. *Text, Music & Improvisation*. Montreal, AB, Canada.
- Tindale, A., Benning, M., and Livingston, N. 2007. Virtual Instrument Control for Music Therapy. *In Proceedings of the Conference on Assistive Technology in Europe* San Sebastian, Spain.
- Tindale, A., Kapur, A., Schloss, A., and Tzanetakis, G. 2005. Indirect Acquisition of Percussive Sounds Using Timbre Recognition. *In Proceedings of The Conference on Interdisciplinary Musicology*. Montreal, QC, Canada.

## Selected Conference & Festival Performances

- Tindale, A., Silva, R., and Fraser, K. 2012. ARRAY. *High Performance Rodeo - Soundasaurus*. Calgary, AB, Canada. (In Press)
- Clinker, and Tindale, A. 2011. Temporal Extinction Event - Vector Rails. *High Performance Rodeo - Soundasaurus*. Calgary, AB, Canada.
- Tindale, A., Silva, R., Thorhaug, B., and Vallis, J. 2011. ALE. *High Performance Rodeo - Midway*. Calgary, AB, Canada.
- Tindale, A. 2010. Sphere. *Solocentric Festival*. Calgary, AB, Canada.
- Clinker, and Tindale, A. 2010. A Valid Line - Vector Rails. *High Performance Rodeo - Soundasaurus*. Calgary, AB, Canada.
- Chafe, C., and Tindale, A. 2009. Duet. *Interactive Screen*, Banff, AB, Canada.
- Tindale, A. 2009. Solo. *Exploding, Plastic, & Inevitable [redux]*. Calgary, AB, Canada.
- Tindale, A., Silva, R., Thorburg, B., and Debicki, G. 2009. ALE. *Sled Island Festival*. Calgary, AB, Canada.
- Tindale, A., and Davies, R. 2008. i send data live. *Text, Music & Improvisation*, Montreal, QC, Canada.
- Tindale, A., and Davies, R. 2006. i send data live *International Conference on Music Information Retrieval*. Victoria, BC, Canada.
- Tindale, A., and Davies, R. 2006. i send data live. *Interactive Futures*. Victoria, BC, Canada.
- Tindale, A., McNally, K., and Berger, M. 2005. LUVLEE. *West Coast Composers Symposium*. Victoria, BC, Canada.

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