

## Education

PhD Interdisc./Intermedial Collaborative Practices, University of Maine, Orono, ME 2014

Dissertation: Use of Algorithmically-Moderated Collaboration Models in  
Offline Distributed Creativity Situations

(Chair: Dr. Owen F. Smith. Committee: Marcia Douglas, Dr. Anne Goodyear, Dr.  
Kirsten Jacobson, Dr. Kristin Sobolik)

MFA Intermedia, University of Maine, Orono, ME, 2011

Thesis: The Variable Museum

(Chair: Dr. Owen F. Smith. Committee: Jon Ippolito, Dr. Jessica Miller, Dr. Nicholas  
Giudice)

BA New Media, University of Maine, Orono, ME, 2007

## Grants, Awards, and Honors

2020 Experimental Learning Initiative Grant, Dartmouth Center for the Advancement of  
Learning (Co-PI with Dan Rockmore)

2020 Dartmouth COVID-19 Spark Funding, Dartmouth College (Co-PI with Dan Rockmore)

2019 Magnuson Center Software Development Grant, The Magnuson Center for  
Entrepreneurship at Dartmouth College (PI)

2018 Level III Digital Humanities Advancement Grant, National Endowment for the  
Humanities Office of Digital Humanities (Co-PI with Mark Williams)

2018 Tier II Research & Development Grant, National Endowment for the Humanities  
Preservation and Access Division (Co-PI with Mark Williams)

2018 Magnuson Center Software Development Grant, The Magnuson Center for  
Entrepreneurship at Dartmouth College (PI)

2018 UMaineGOLD Development Grant, University of Maine

2016 Knight News Challenge Winner, John S. and James L. Knight Foundation (Co-PI with  
Nicholas Giudice, Dimitrios Latsis, Lorenzo Torresani, Mark Williams)

2016 E-Learning Technology Grant, University of Maine (Co-PI with Jon Ippolito)

2015 Tier I Research & Development Grant, National Endowment for the Humanities  
Preservation and Access Division (Senior Staff with PI Mark Williams)

2015 E-Learning Technology Grant, University of Maine (Co-PI with Jon Ippolito)

2014 Research Grant, University of Maine Intermedia MFA Program

2013 HASTAC Scholar, Humanities, Arts, Science, and Technology Alliance and  
Collaboratory

2013 Maine Economic Improvement Fund Doctoral Dissertation Fellowship Award,  
University of Maine Graduate School

2013 Travel to Present Grant, University of Maine Graduate Student Government

2012 Research Equipment Grant, University of Maine Graduate Student Government  
 2012 Chase Distinguished Research Assistantship, University of Maine Graduate School  
 2012 Stage 1 and 2 Winner, Digital Media+Learning Competition 4, HASTAC/Mozilla Foundation/MacArthur Foundation (PI)  
 2011 Alston D. and Ada Lee Correll New Media Researcher in Residence, Fall 2011, University of Maine  
 2011 Research Equipment Grant, University of Maine Graduate Student Government  
 2010 Faculty Research Grant, University of Maine (with Nicholas Giudice)  
 2010 Travel to Present Grant, University of Maine Graduate Student Government  
 2010 Research Grant, University of Maine Intermedia MFA Program  
 2009 Research Equipment Grant, University of Maine Intermedia MFA Program  
 2009 1st Place, Visual and Performing Arts, University of Maine Graduate Research Expo  
 2006 J. Morris Weinberg Student Innovation Award, University of Maine  
 2003 John M. Rezendes Ethics Award, University of Maine Honors College

#### Professional Experience

Present–2019 Dartmouth College Department of Film and Media Studies, Lecturer, Hanover, New Hampshire  
 Present–2019 Dartmouth Data Experiences and Visualizations Studio, Director, Hanover, New Hampshire  
 Present–2019 Dartmouth College, Digital Humanities Program Manager, Hanover, New Hampshire  
 Present–2017 Media Ecology Project, Associate Director, Dartmouth College, Hanover, New Hampshire  
 Present–2011 University of Maine Graduate School, Adj. Asst. Professor, Orono, Maine  
 Present–2007 Still Water (for network art and culture), Senior Researcher, Orono, Maine  
 2019–2012 The Core 5 Incident, Co-Founder and President, Orono, Maine  
 2019–2017 Dartmouth College, Lead Application Developer (Digital Humanities), Hanover, New Hampshire  
 2017–2013 Media Ecology Project, Architect, Dartmouth College, Hanover, New Hampshire  
 2017–2014 Dartmouth College, Lead Application Developer (Institutional Repository), Hanover, New Hampshire  
 2014–2011 Alliance for Networking Visual Culture, Experimental Developer (Scalar project), University of Southern California, Los Angeles, California  
 2012–2011 Virtual Environments and Multimodal Interaction Lab, Technical Consultant, Orono, Maine  
 2011–2010 Virtual Environments and Multimodal Interaction Lab, Senior Programmer, Orono, Maine

2011–2009 University of Maine New Media, Teaching Assistant, Orono, Maine  
 2011–2007 Variable Media Network, Senior Developer, Orono, Maine  
 2009–2008 University of Maine New Media, Adjunct Lecturer, Orono, Maine  
 2007–2003 University of Maine New Media, Web Developer, Orono, Maine  
 2006–2005 Re:Poste, Founder, Corinth, Maine  
 2005–2001 University of Maine Upward Bound, Database Administrator, Orono, Maine  
 2000–1998 Instructional Technologies, Manager for Special Projects, Orono, Maine  
 1998–1996 Instructional Technologies, Consultant, Orono, Maine  
 1996–1994 University of Maine Upward Bound, Webmaster, Orono, Maine

### Selected Presentations and Conferences

2021 “Building an XR Center on Campus: Lessons from the Field (panelist)”, October 27, EDUCAUSE Annual Conference, Philadelphia, Pennsylvania  
 2021 “Immersion to Pedagogy: St. Paul’s Outside the Walls (app demo)”, October 27, EDUCAUSE Annual Conference, Philadelphia, Pennsylvania  
 2021 “Used To Be Different, Now It’s the Same? The Post-Pandemic Makeover of Museums”, April 22, Art, Museums, and Digital Cultures, Online  
 2021 “Media Ecology Project Update: Collaborative DH Synergies to Produce New Research in Visual Culture History”, April 16, AMIA Spring 2021, Online  
 2021 Conference Co-Host, April 15, Beyond Zoom 2: Promise and Reality of XR, Online  
 2021 “New Directions in DH Visual Culture Studies: The Media Ecology Project”, March 5, International Multimodal Communication Center at University of Oxford, Online  
 2021 “Used To Be Different, Now It’s the Same? The Post-Pandemic Makeover of Museums”, January 21, Hood Museum of Art, Online  
 2020 “Beyond Zoom: XR for Teaching and Researching in the COVID-19 Era Recap”, November 9-18 (asynch), Online Learning Consortium Accelerate 2020, Online  
 2020 “Beyond Zoom: XR for Teaching and Researching in the COVID-19 Era Recap”, October 27, EDUCAUSE Annual Conference 2020, Online  
 2020 “Getting Started with VR,” October 13, EDUCAUSE Learning Lab | Extended Reality, Online  
 2020 Conference Co-Host, August 7, Beyond Zoom: XR for Teaching and Research in the COVID-19 Era, Online  
 2019 "Launching the DEV Studio," December 3, Neukom Institute AR/VR Workshop, Hanover, NH  
 2019 "Building Scholarly Partnerships for Machine Learning," September 20, The Library of Congress, Washington, DC  
 2019 "The Media Ecology Project: New Digital Resources for Media Art/History," August 24, New England Humanities Consortium Digital Humanities Retreat, Portsmouth, New Hampshire

- 2019 "Collaborative Synergies to Train Computer Vision Analysis," July 12, Digital Humanities 2019, Utrecht, Netherlands
- 2019 "Tutorial on the Semantic Annotation Tool," July 8, AVinDH SIG at Digital Humanities 2019, Utrecht, Netherlands
- 2019 "MEP: A Brief Introduction," May 9, Digital Tools for Moving Image Analysis Symposium, Hanover, New Hampshire
- 2019 "Human and Machine Collaboration: Qualitative Decisions About Quantitative Data," April 25, Bowdoin College, Brunswick, Maine
- 2019 "Human and Machine Collaboration: Qualitative Decisions About Quantitative Data," March 16, Society for Cinema and Media Studies 2019, Seattle, Washington
- 2018 "The Tetris Effect: Truth and Trust in the Continuous Partial Attention World," September 21, VEMI10 Conference, Orono, Maine
- 2018 "W3C Web Annotation and the Semantic Annotation Tool," July 12, CLARIAH Experts Meeting, Amsterdam, Netherlands
- 2018 "Unlocking Film Libraries for Discovery and Search," June 27, Digital Humanities 2018, Mexico City, Mexico
- 2018 "Digital Contexts: How Communities Self-Archive Online," May 11, Symposium | Is This Permanence: Preservation of Born-Digital Artists' Archives hosted by Yale Center for British Art, New Haven, Connecticut
- 2018 "The Media Ecology Project: Archival Access Online, Born-Networked Scholarship," April 10, ASIS&T Virtual Symposium on Information & Technology in the Arts and Humanities, online hosted by Association for Information Science and Technology
- 2018 "Hacking the Script: Creative Misuse as Gaming Performance," Feb 21, College Art Association Annual Conference, Los Angeles, California
- 2018 "Calvinball and Coders," January 23, Critical Code Studies Working Group, online hosted by the University of Southern California
- 2017 "Deconstructive Play: Speedrunning and the Right to Unmake," October 5, University of Maine Digital Humanities Week 2017, Orono, Maine
- 2017 "Tweeting from the Ivory Tower," October 4, University of Maine Digital Humanities Week 2017, Orono, Maine
- 2017 "The Semantic Annotation Tool," August 7, Digital Humanities 2017, Montreal, Quebec
- 2017 "Distributed Controlled Vocabularies for Scholarly Annotation," May 11, CLARIAH Annotation Symposium, Amsterdam, Netherlands
- 2017 "Scalar and Designing Digital Scholarship," February 16, College Art Association Annual Conference, New York City, New York
- 2016 "Baton: Lightweight, Service-Oriented Workflow Management," June 15, Open Repositories 2016, Dublin, Ireland
- 2016 "Just in Time Learning Through Badge-Based Tutorials," May 20, University of Maine Faculty Institute, Augusta, Maine

- 2016 "Webinar on the Media Ecology Project," February 17, CLIR Postdoctoral Fellowship Program, Online
- 2015 "Linked Data and Name Authorities," December 4, NECode4Lib, Hanover, New Hampshire
- 2015 "Online Access for Scholars Adds Value to Media Archives," June 9, Open Repositories 2015, Indianapolis, Indiana
- 2014 "The Media Ecology Project: Using Linked Data to Support Distributed Analysis of Visual Culture," May 25, International Workshop on Linked Media, Extended Semantic Web Conference, Anissaras, Greece
- 2014 "A Collaborative Model for PhDs," April 5, TEDxUMaine, University of Maine, Orono, Maine
- 2013 "Linked Data in the Media Ecology Project," December 2, Bowdoin College Museum of Art, Brunswick, Maine
- 2013 "Sideloaded Archives: Third-Party Metadata in the Media Ecology Project," November 9, Association of Moving Image Archivists Annual Conference, Association of Moving Image Archivists, Richmond, Virginia
- 2013 "Digital Documentation of Art," October 26, Maine International Conference on the Arts, Maine Arts Commission, Orono, Maine
- 2013 "Badges as Disruptive Technology in Higher Education," October 7, Surfacing: Digital Humanities THATCamp, University of Maine, Orono, Maine
- 2013 Preserving.exe Software Preservation Summit, May 20 – 21, Library of Congress, Washington, DC
- 2013 "10 PRINT CHR\$(205.5+RND(1)); : GOTO 10," May 9, Comparative Media Studies Colloquium, Massachusetts Institute of Technology, Cambridge, Massachusetts
- 2013 "10 PRINT," April 9, Intermedia MFA Visiting Artist Series, Orono, Maine
- 2013 "Social Graph Search and Mobility," March 27, Bangor Region Chamber of Commerce, Brewer, Maine
- 2012 "Variable Media Game Preservation," December 12 – 13, Preserving Virtual Worlds II Advisory Board Meeting, Washington, DC, hosted by University of Illinois Urbana-Champaign
- 2012 "Critical Code Studies Working Group 2012," January 30 – February 20, Online hosted by the University of Southern California
- 2011 "Viral Marketing and Social Media," November 4-5, Juice Conference, Camden, Maine
- 2010 "Archiving Experience: The Third Generation Variable Media Questionnaire," August 24, International Symposium on Electronic Arts, Dortmund, Germany
- 2010 "The Topology of Creativity: User Ratings as Limiting Factors in The Pool's Social Network," May 10, Arts/Humanities & Complex Networks at NetSci2010, Boston, Massachusetts
- 2010 "Avoiding a Cultural Bottleneck: Networked, Distributed, and Agile Collaborations," April 15, HASTAC 2010, Online hosted by University of Illinois

- 2010 “Critical Code Studies Working Group,” February 1–March 21, Online hosted by University of Southern California
- 2009 “Developing AJAX-based Web Applications,” October 10–December 13, Sutherland Weston Marketing Communications, Bangor, Maine
- 2008 “Forging the Future Summit,” September 8–11, Still Water, Lucerne, Maine
- 2008 “Can Creativity be Crowdsourced?,” July 29, Berkman Center for Internet and Society at Harvard University, Cambridge, Massachusetts
- 2007 “In-progress Update on the Third Generation Variable Media Questionnaire,” September 26, Documentation and Conservation of the Media Arts Summit, Montreal, Quebec
- 2006 “Jump Into the Pool,” September 19, University of Maine, Orono, Maine
- 2005 “Jump Into the Pool,” September 22, University of Maine, Orono, Maine
- 2004 “Creativity, Code, and Community,” September 17, Still Water, Orono, Maine
- 2003 “The Pool Interface: A Dynamic Information System,” May 16, Networked Digital Salon, Orono, Maine

#### Selected Publications

- 2021 “The Media Ecology Project: Collaborative DH Synergies to Produce New Research in Visual Culture History,” *Digital Humanities Quarterly Special Issue on Audiovisual DH*, Providence, RI: Alliance of Digital Humanities Organizations, peer reviewed (with Mark Williams)
- 2015 “Diffused Museums – Networked, Augmented, and Self-Organized Collections,” *International Handbook of Museum Studies*. Hoboken, NJ: Wiley-Blackwell (with Jon Ippolito)
- 2013 “The Variable Museum: Off-Topic Art,” *Leonardo Electronic Almanac* 19.1, San Francisco: Leonardo/ISAST, peer reviewed.
- 2012 “10 PRINT CHR\$(205.5+RND(1));: GOTO 10,” Cambridge: MIT Press. Software Studies series. (single-voice book with Patsy Baudoin, Ian Bogost, Jeremy Douglass, Mark Marino, Michael Mateas, Nick Montfort, Casey Reas, Mark Sample, Noah Vawter)
- 2010 “When the Rich Don’t Get Richer: Equalizing Tendencies of Creative Networks,” *Leonardo* 44.3 (with Jon Ippolito), Cambridge: MIT Press, peer reviewed. Reprinted in Maximilian Schich et al., eds, *Arts, Humanities, and Complex Networks* (Cambridge: MIT Press ebook, 2012)
- 2010 “Archiving Experience: The Third Generation Variable Media Questionnaire,” *ISEA2010 Ruhr: Proceedings of the 16th International Symposium on Electronic Art*. Berlin: Revolver Publ., peer reviewed entry
- 2010 “Representing Culture via Agile Collaboration,” *Handbook of Research on Technologies and Cultural Heritage: Applications and Environments*. Hershey, PA: Information Science Reference, peer reviewed (with Craig Dietrich)

2009 "Opening the Source of Art," *Open Source Business Resource* October 2009. Ottawa: Talent First Network, peer reviewed

#### Selected Exhibitions

- 2015 *FLOAT*, August 7-September 6, Center for Maine Contemporary Art, Rockport, Maine
- 2014 *Invasive Species*, July 31-August 1, Innovative Media Research and Commercialization Center, Orono, Maine
- 2014 *Intermedia*, Feb 6, Innovative Media Research and Commercialization Center, Orono, Maine
- 2013 *Knick'd*, January 29-Feb 2, Lord Hall Art Gallery, Orono, Maine
- 2012 *See, Touch, Hear*, September 22-October 19, Asymmetrick Arts, Rockland, Maine
- 2011 *Pixxelpoint 2011: Let's Get Ready*, December 2-9, Metropolitana Gallery, Gorizia, Italy
- 2011 *Without Borders VIII: Breaking Ground*, August 15-September 16, Lord Hall Art Gallery, Orono, Maine
- 2011 *The Gorsedd*, April 23, Corey Daniels Art Gallery, Wells, Maine
- 2010 *The Gorsedd*, December 14–18, Pavilion Theater, Orono, Maine
- 2010 *Octris (op 1 capriccio for bells and space)*, September 22, Lord Hall Art Gallery, Orono, Maine
- 2010 *Art Stays International Festival of Contemporary Art*, July 20–August 30, Ptuj, Slovenia
- 2010 *An Evening with Professor Enki*, May 5–7, Lord Hall Art Gallery, Orono, Maine
- 2009 *Class Action*, December 17–19, Installation at Former Circuit City, Bangor, Maine
- 2009 *Without Borders VI: Conjunction*, August 21–September 5, Lord Hall Art Gallery, Orono, Maine
- 2009 *Graduate Research Expo*, April 14–15, University of Maine, Orono, Maine
- 2009 *Intermedia MFA*, March 26, University of Maine, Orono, Maine
- 2008 *Freese Pop!*, December 12–17, Installation at Freese's Building, Bangor, Maine
- 2006 *Re:Poste*, April 27, University of Maine, Orono, Maine
- 2003 *Ars Electronica 2003: Code*, September 6–11, Brucknerhaus, Linz, Austria

#### Selected Bibliography and Media

- 2015 *Associated Press*, "Dartmouth, UMaine Aim to Help Scholars Study Historic Films", December 26
- 2014 *The Higher Degree*, "Profile: John Bell," April 10
- 2014 *Leonardo*, "10 PRINT CHR\$(205.5+RND(1)); : GOTO 10," February 1
- 2013 *Neural*, "VVAA – 10 PRINT CHR\$(205.5+RND(1)); : GOTO 10," July 22
- 2013 *PC Magazine*, "Editors Choice: Scalar," May 30

- 2013 Lanfranco Aceti and Richard Rinehart, *Leonardo Electronic Almanac 19.1: Not Here, Not There*, "Interview with John Bell," January 15
- 2012 Kathi Inman Berens, *The Chronicle of Higher Education - ProfHacker*, "A One-Line Program as a Book: *10PRINT*," December 3
- 2012 Geeta Dayal *The Slate Book Review*, "Inside a Single Line of Code, a Labyrinth," November 30
- 2012 Britta Konau, *The Free Press*, "art current: See Touch Hear at Asymmetrick Arts," October 10
- 2011 Margaret Nagle, *UMaine Today*, "A Surreal Meal," Fall 2011 Issue
- 2009 Jessica Bloch, *Bangor Daily News*, "UMaine Art Students Plug Into Former Circuit City Building," December 14
- 2008 Zachary McCune, *Berkman Center for Internet & Society at Harvard University*, "Q+A with Jon Ippolito and John Bell on Open Source Art," July 28
- 2008 Andrea Foster, *The Chronicle of Higher Education*, "New-Media Scholars' Place in 'The Pool' Could Lead to Tenure," May 30
- 2006 Margaretha Haughwout, *First Monday*, "A Reflecting and/or Refracting Pool: When a Local Community Becomes Autonomous Online," April 3
- 2003 Michelle Delio, *WIRED*, "Copyright Doesn't Cover This Site," December 16

#### Classes Taught or Developed

Present-2020 Dartmouth College

Undergraduate:

Introduction to Digital Arts and Culture

Present-2008 University of Maine

Undergraduate:

Design Patterns for New Media

Introduction to Dynamic Web Content (PHP)

Introduction to Programming in Javascript: Script Your World

Fundamentals of Information Systems (TA) (Processing, Max/MSP)

Introduction to New Media Technology (TA) (Scratch, Processing)

Introduction to Problem Solving Using Computer Programming (TA) (Python)

Graduate:

Intermedia Research Studio II: Projects in Collaborative Production

Type and Text in Art

Metadata Systems for Digital Curation

Digital Collections and Exhibitions

Social Media I & II (1cr. each)



Networked Workflows (1cr.)  
Web Application Design (1cr.) (PHP)  
Dynamic Web Programming I & II (1cr. each) (PHP)  
Relational Databases (1cr.) (MySQL)

## Service

Present–2019 Open Dartmouth Working Group, Dartmouth College  
Present–2018 Digital Humanities Working Group, Dartmouth College  
Present–2011 Digital Curation Program Committee, University of Maine  
2021 Mentor, Google Summer of Code, Red Hen Lab (2 students)  
2021 Co-organizer, Beyond Zoom: Promise and Reality of XR Conference  
2020 Co-organizer, Beyond Zoom: XR for Teaching and Research in the COVID-19 Era Conference  
2020 Co-organizer, Apple ARKit Workshop  
2019 Co-organizer, Neukom Institute AR/VR Workshop  
2019 Co-organizer, Digital Tools for Moving Image Analysis Symposium  
2017–2015 Digital Scholarship Center Exploratory Committee, Dartmouth College  
2015 Altmetrics Working Group B, National Information Standards Organization (white paper: "Outputs of the NISO Alternative Assessment Metrics Project")  
2015 Hiring Committee (Instructional Designer), Dartmouth College  
2015 Hiring Committee (Digital Scholarship Librarian), Dartmouth College  
2014–2011 Innovative Communication Design Program Committee, University of Maine  
2014–2009 Information Technology Administrator, New Media Department, University of Maine  
2014–2008 Student Capstone Consultant, New Media Department, University of Maine  
2014 Selection Committee (Researcher in Residence, Innovative Media Research and Commercialization Center), University of Maine  
2012 Hiring Committee (Archives Manager, Maine Folklife Center), University of Maine  
2012–2011 Grant Writer, Innovative Communication Design Program, University of Maine  
2011 Curation Committee, Without Borders VIII  
2011–2010 Baseline Programming Language Integration Committee, New Media Department, University of Maine  
2010 Curation Committee, Without Borders VII  
2010–2009 Fabrication Lab and Digital Archiving Working Groups, Innovative Media Research and Commercialization Center, University of Maine