KATE MADDALENA | Assistant Professor, Teaching Stream

University of Toronto Mississauga| Institute of Communication, Culture, Information, and Technology

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ACADEMIC POSITIONS

Assistant Professor, Teaching Stream; Institute of Communication, Culture, and Information Technology   2020-present
University of Toronto Mississauga, Toronto, ON
Professional Writing and CCIT Programs

Assistant Professor, English/Communication; William Peace University, Raleigh, NC   2017-2020
English, Communication, and Simulation and Game Design Programs
Writing Program Administrator, ENG 112 Program Revision Pilot

Assistant Professor, English; University of North Carolina Wilmington, Wilmington, NC   2014-2017
Professional Writing Program

Lecturer II, English; North Carolina State University, Raleigh, NC   2007-2010
First Year Writing Program

SCHOLARLY AFFILIATIONS & ADMINISTRATIVE POSITIONS IN PROFESSIONAL ORGANIZATIONS

Co-Chair: National Conference Standing Group   2019-2023
Writing and STEM Standing Group; Conference on College Composition and Communication (CCCC)

Member: Research Working Group   2022-2023
Working Group: *Beating Time*, convened by Josh Dittrich
Centre for Culture and Technology at the University of Toronto

Affiliated Faculty: International Faculty Cluster   2017-present
Leadership in Public Science Faculty Cluster; North Carolina State University, Raleigh, NC

Member/Author: Research Collective   2017-present
Media Genealogy Collective; University of Toronto, Oregon State University, Villanova University, George
Mason University

EDUCATION

Ph.D. Communication, Rhetoric, and Digital Media   2014
North Carolina State University, Raleigh, NC
Dissertation: Digital Materials: *Lego, Synthetic Biology and the Mediation of Atomistic Ontologies*
Committee: William Kinsella (Chair), Jeremy Packer, David Rieder, Jason Swarts

M.A. English Literature and Language   2007
North Carolina State University, Raleigh, NC

B.A. English/French   2001
University of North Carolina at Greensboro, Greensboro, NC

PUBLICATIONS: BOOKS

The PrisonHouse of the Circuit: A Media Geneaology. University of Minnesota Press. (Polyauthored with   2023
Media Genealogy Collective: Jeremy Packer, Paula .).

PUBLICATIONS: ARTICLES & CHAPTERS

"Perfect Incommunicability: War and the strategic paradox of human-machine communication" (with   2023
Joshua Reeves and Jeremy Packer) in *The SAGE Handbook on Human-Machine Communication*.

"Fighting for Bandwidth: Prioritizing Social Justice as Essential Carework in the Age of COVID-19" (with   2022
Janelle Jennings-Alexander) in the *Journal of Multimodal Rhetorics: Special Issue on Writing and Carework*.

"Teaching Holistic Eco-technology: the quadrat as interface between the biosphere and the bitsphere" in *What Would Ursula Franklin Say?* McLuhan Centre Reprising the Real World of Technology Working Group, University of Toronto.
2022

"Emerging practices for scientific communication pedagogy," in the *Routledge Handbook of Scientific Communication*, Hanganu-Bresch, Maci, Zerbe, and Cutrufello, Eds.
2021

"Tick Problematic: Motherhood as a Posthuman Predicament"
In *Heliotrope.* Environmental Media Lab, University of British Columbia.
2021

"Ghost"
In the *Canadian Journal of Communication.*
2021

"Palpable Pixels: A Materially Digital Medium for the Culturally Digital Age"
In *LEGOIfied: Building Blocks as Media*. Taylor and Ingraham, eds. Bloomsbury, NY.
2020

"Dissolving the Divide between Expert and Public: Improving the Science Communication Course"
With Colleen Reilly. In *Scientific Communication: Principles, Practices, and Methods.* Han and Northcut, eds.
2018

"Is the Earth an Optical Medium? An Interview with Chris Russill"
With Chris Russill. In *International Journal of Communication*.
2016

"Networks, Genres, and Complex Wholes: Citizen Science and How We Act Together through Typified Text"
With Ashley Rose Kelly. In *Canadian Journal of Communication*.
2016

"A Review of Graham's *The Politics of Pain Medicine*"
Solicited review in *Enculturation: a journal of rhetoric, writing and culture.*
2016

"Harnessing Agency for Efficacy: 'FoldIt' and Citizen Science"
With Ashley Rose Kelly. In *POROI: an Interdisciplinary Journal of Rhetorical Analysis and Invention*.
2015

"The Digital Body: The U.S. Signal Corps, Telegraphy, and the Discourse Network of 1865"
With Jeremy Packer. In *Theory, Culture & Society*. (Winner of the James Carey Media Research Award).
2014

"The Toys of Organic Chemistry: Material Manipulatives and Inductive Reasoning"
In *Teorie vědy/Theory of Science Special Issue: Philosophical Toys Today.*
2013

"Plastic Child-Gardening Tools: Lego's Nostalgia for the Open-ended Toy"
In *Technoculture*.
2013

"I need you to say I: Why First Person is Important in College Writing"
In *Writing Spaces: Readings on Writing Volume I.* Lowe and Zemliansky, eds.
2010

FORTHCOMING PUBLICATIONS

Book: *Strange Consumptions* (with Jeremy Tirrell) under advance contract with University of Alabama Press.
forthcoming 2024

INVITED TALKS & WORKSHOPS

Keynote: "A Nootropology: 'smart drugs' and the rhetorical turning."
Institute for the History and Philosophy of Science at Technology Graduate Conference: *The Written Word*
University of Toronto, Toronto, ON
2023

"Prison House of the Circuit: From Bentham to Buffalo and Back." (with coauthors Paula Villavicencio and Jeremy Packer) University of Buffalo, SUNY. Buffalo, N.Y.
2022

"Encouraging Students to Engage Creatively with Theory: A Holistic Rubric"
Spotlight on Teaching in the Arts & Humanities
Teaching and Learning Collaboration Group, University of Toronto Mississauga; Mississauga, ON.
2022

"I need you to say I: Why First Person is Important in College Writing"
Composition Pedagogy Webinar Series
Department of Rhetoric and Composition at the American University; Cairo, Egypt.
2020

"Docile Bodies in the Signaling Circuit: or how to make a man into a medium"
2019

Invited Chapter Author and Participant, Media Genealogy Collective. Workshop: *The PrisonHouse of the Circuit*, University of Toronto Mississauga, Mississauga, ON.

"Critical In(ter)vention in Ecological Epistemology: the case of the quadrat"   2016
Featured speaker, Communication Rhetoric and Digital Media Annual Symposium; *Critical Invention: Media, Engagement, Practice*; Raleigh, NC.

"A Digital Episteme"   2015
Invited participant in *The Computational Media Workshop*, National Communication Association Annual Convention, Las Vegas, NV.

CONFERENCE ACTIVITIES

"Participatory science in post-secondary pedagogy: Towards a more equitable STEM writing classroom"   2022
(With Risa Gorelick, Megan Mericle, and Caitlin Ray)
Conference on College Composition and Communication, Chicago, IL. (Online).

"LEGOfied Science" *Building better worlds, brick by plastic brick*   2021
(With Nick Taylor, Chris Ingraham, and Malcolm Ogden)
Annual Meeting of the Society for Social Studies of Science; Toronto, ON. (Online)

"Performative Vulnerability as a Classroom Strategy"   2021
University of Toronto's Teaching Symposium, *Teacher-as-Learner/Learner-as-Teacher*; Toronto, ON.
(Online).

"Community as Commonplace: recognizing power/knowledge relationships in science networks"   2021
Roundtable: Making the Teaching of STEM Writing More Inclusive
Conference on College Composition and Communication, Spokane, WA. (Online).

~~Roundtable Expert. *Roundtable: Making the Teaching of STEM Writing More Inclusive*~~   ~~2020~~
~~Conference on College Composition and Communication, Milwaukee, WI.~~
ACCEPTED: CANCELED DUE TO COVID-19

"Tick Problematic"   2019
Association for Rhetoric of Science, Technology, and Medicine (ARSTM) Annual Pre-conference, NCA
National Communication Association Convention, Baltimore, MD.

Discussion Leader. "What have we defined as evidence? What are the limitations of those constructions?"   2018
Association for Rhetoric of Science, Technology, and Medicine (ARSTM) Annual Pre-conference, NCA
National Communication Association Convention, Salt Lake City, UT.

"Which one of you am I talking to? The climate change denier in the science writing classroom"   2016
Association for Rhetoric of Science, Technology, and Medicine (ARSTM) Annual Pre-conference, NCA
National Communication Association Convention, Philadelphia, PA.

"Materiality, Agency, and Biocontrol: Embracing Opportunities for Cross-disciplinary Investigations"   2015
(With Elizabeth Pitts, Steven Katz, and Chelsea Hampton)
National Communication Association Annual Convention, Las Vegas, NV.

"The Toys of Organic Chemistry: A Brief History of the Modern Molecular Model"   2015
UNCW College Day, College of Arts and Sciences, Wilmington, NC.

"From Frustration to Valuable Intervention: Technical Communication as a language for Science Studies in   2015
Emerging Interdisciplinary Research Centers"
Annual Meeting of the Association for Teachers of Technical Writing (ATTW), Tampa, FL.

"'I could think about this for the rest of my life!': Writing in the Disciplines as Professional Development"   2015
North Carolina Symposium on Teaching Writing, Raleigh, NC.

"Genre to ANT, Agency to Efficacy: At the intersection of rhetoric of science and Science and Technology   2014
Studies (STS)"
(With Ashley Rose Kelly) National Communication Association Annual Convention, Washington, DC.

"Live Materials: Towards a Media Theory of Synthetic Biology"   2013
Society for the Social Study of Science Annual Convention (SSSS), San Diego, CA.

"Labs and Nodes, Reports and Modes: Reconceiving "writing" in the Science Writing Heuristic"   2013

Computers and Writing, Frostburg, MD.

"Science Studies and Composition: Writing the Bridge between STEM and Humanities Pedagogies" North Carolina Symposium on the Teaching of Writing, Raleigh, NC.	2013
"Tracing the Alien Self: A historical consideration of visual representations of the space alien on television" Visual Communication Conference, Taos Ski Valley, NM.	2012
"Collaboration and Control: The Instructor Icon in a Hybrid Classroom" Conference on College Composition and Communication, St. Louis, MO.	2012
"Plastic Child-Gardening Tools: Lego and the Control Society" National Communication Association Annual Convention, New Orleans, LA.	2011
"Citizen History: Using Content Management Systems to Create Living Public Archives" (With Shaun Martin and Brian Young) Georgia International Conference on Information Literacy, Savannah, GA.	2011
"Ensuring Facts…are Never Twisted": Manifest and Covert Ideologies in Discourse about Science" Georgia International Conference on Information Literacy, Savannah, GA.	2010
"Comparing Conversations: Two Sociolinguistic models for teaching about academic discourse" Conference on College Composition and Communication, Louisville, KY.	2010

AWARDS & GRANTS

Learning and Education Advancement Fund Plus (LEAF+) program ($10,000 CAD) Generative Artificial Intelligence in Teaching and Learning	2023
School of Cities Education Small Grant, University of Toronto ($500 CAD) "Vaccine Stories: Documenting the Mississauga Mass Vaccination of 2021"	2021
Sir Walter Raleigh Public Relations Award for Student Work (with COM 340 students, WPU)	2018
UNCW Center for Teaching Excellence Summer Pedagogy Development Stipend ($3,000 USD)	2015
Winner (With Jeremy Packer): James Carey Media Research Award	2014
Application: NSF Doctoral Dissertation Improvement Grant; Science, Technology and Society Program	2013
Conference of College Communication and Composition Professional Equity Project Grant	2010
Conference of College Communication and Composition Professional Equity Project Grant	2008
NCSU English Department Outstanding Teaching Assistant Award	2007
NCSU Graduate Student Association Outstanding Teaching Award	2007

SUPERVISIONS

Research Opportunity Program: Undergraduate Journal Publications, *Mindwaves* and *Compass* University of Toronto Mississauga; Institute of Communication, Culture, and Information Technology	Annually
Research Opportunity Program: "Vaccine Stories" University of Toronto Mississauga; Institute of Communication, Culture, and Information Technology	Summer 2022

COURSES TAUGHT

Writing for the Academic Sciences (WRI 306) University of Toronto Mississauga; Institute of Communication, Culture, and Information Technology	2023
Critical Analysis of Media (CCT 300) University of Toronto Mississauga; Institute of Communication, Culture, and Information Technology	2022
Introduction to Technical Communication (WRI 363) University of Toronto Mississauga; Institute of Communication, Culture, and Information Technology	2022
Foundations of Media and Technology Studies (CCT 218) University of Toronto Mississauga; Institute of Communication, Culture, and Information Technology	2022

Creative Non-Fiction (WRI 173)   2021-2022
University of Toronto Mississauga; Institute of Communication, Culture, and Information Technology

Science and Writing (WRI 307)   2021-present
University of Toronto Mississauga; Institute of Communication, Culture, and Information Technology

Communicating in a World of Big Data (WRI 363)   2020-present
University of Toronto Mississauga; Institute of Communication, Culture, and Information Technology

Writing Human Futures (WRI 490 now WRI470)   2020-present
University of Toronto Mississauga; Institute of Communication, Culture, and Information Technology
Senior seminar on futurisms

Composition (ENG 112); 4-Credit Pilot Model   2019
William Peace University; Department of English
Co-designed and piloted new program in partnership with the English Department, the Center for
Immersive Learning, and the Center for Student Success

Science and Nature Writing (ENG 311)   2018, 2019
William Peace University; Department of English
Designed and proposed new course for Writing and Communication major curricula.

Professional Writing (ENG 314)   2017-2019
William Peace University; Department of English

Composition (ENG 112)   2017-2019
William Peace University; Department of English

Literary Magazine (ENG 147)   2017-2019
William Peace University; Department of English
Advisor/Instructor, 1-credit-hour course. Facilitates editorial, design, budget and publication processes.

Media and Culture (COM 200)   2017-2019
William Peace University; Department of Communication

Communication Research Methods (COM 300)   2017-2019
William Peace University; Department of Communication

Public Relations Techniques (COM 340)   2017-2019
William Peace University; Department of Communication

Writing in the Academic Sciences (ENG 315)   2015-2017
University of North Carolina Wilmington; Department of English
Designed and proposed new course for Professional Writing major curriculum.

Writing about Science (ENG 314)   2015-2017
University of North Carolina Wilmington; Department of English

Theory and Practice of Technical Communication (ENG 557, Graduate Seminar)   2016, 2017
University of North Carolina Wilmington; Department of English

Introduction to Professional Writing (ENG 204)   2015-2017
University of North Carolina Wilmington; Department of English

Introduction to Science, Technology, and Society (STS 214)   2011-2013
North Carolina State University; Department of Interdisciplinary Studies

Communication and Globalization (COM 447, Online)   2013
North Carolina State University; Department of Communication
Teaching Assistant to Dr. Stephen Wiley

Technical Editing and Document Design (ENG 314)   2011-2013
North Carolina State University; Department of English

Academic Writing and Research (ENG 101)   2007-2014
North Carolina State University; Department of English

Introduction to Academic Writing (ENG 100) North Carolina State University; Department of English	2011-2014

SERVICE TO THE PROFESSION

Manuscript Reviewer *Technology & Culture*	2021
Co-Chair: Standing Group on Writing in STEM Conference on College Composition and Communication (CCCC)	2019-present
Proposal Reviewer Association for Rhetoric of Science, Technology, and Medicine NCA and CCCC Conferences	2016-present
Review Editor **Editorial Board Member** *Frontiers in Communication: Science and Environmental Communication* (Tarla Rai Peterson, Ed.)	2016-present
Manuscript Reviewer *Teorie vědy/Theory of Science*	2013, 2016
Manuscript Reviewer *Engaging Science, Technology, & Society*	2016
Proposal Reviewer Computers and Writing 2013: Mechanization and Writing	2013
Co-chair, with Shaun Martin Computers and Writing Online Conference	2012
Co-chair, with Kevin Brock North Carolina Symposium on Teaching Writing	2009

SERVICE TO THE UNIVERSITY

Black Research Network: Editor University of Toronto Tri-Campus Initiative	Summer 2022
Website Committee University of Toronto Mississauga, Institute for Communication, Culture, and Information Technology	2021-2022
Center for Urban Environments: Postdoctoral Application Reviewer University of Toronto Mississauga	2021
Institutes Diversity, Equity, and Inclusion Committee University of Toronto Mississauga	2020-Present
Professional Writing and Communication Curriculum Sub-committee University of Toronto Mississauga, Institute for Communication, Culture, and Information Technology	Winter 2021
Committee Chair: Immersive Learning Committee William Peace University	2019-2020
Speakers and Events Committee William Peace University	2019
Hiring Committee: Communication Department (Roger Christman, Chair) William Peace University	2018
Immersive Learning Task Force William Peace University	2016-2019
***Hip Hop and Higher Education Symposium* Advisory Committee** William Peace University	2017-2018

Teaching and Learning Committee	2016
William Peace University	

Graduate Program Committee	2015-2017
University of North Carolina Wilmington English Department	

Professional Writing Committee	2014-2017
University of North Carolina Wilmington English Department	

Speaking of Science: Exploring Issues in science writing, communication, and public outreach	2015-2017
Speaker Series Founder and Organizer	
University of North Carolina Wilmington English Department	

President: Communication, Rhetoric, and Digital Media (CRDM) Student Association	2012 – 2013
North Carolina State University	

English Department Technical Communication Job Search Committee (Carolyn Miller, Chair)	2013
CRDM Student Representative	
North Carolina State University	

Vice President: Communication, Rhetoric, and Digital Media (CRDM) Student Association	2011 – 2012
North Carolina State University	

CURRENT MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS

Society for the Social Studies of Science
Canadian Association for the Study of Discourse and Writing / Association Canadienne de Rédactologie
Association for the Rhetoric of Science, Technology, and Medicine
Association for the Advancement of Science
National Communication Association (US)
Conference on College Composition and Communication (US)

LANGUAGES

English—native language
French—speak fluently, read and write with high proficiency
Spanish—basic competence