

# Emily Maemura

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## Education

- 2014–Present Ph.D. in Information Studies, University of Toronto (expected 2019)  
*Dissertation:* Logics of Order and Aggregation in Web Archiving Systems  
*Committee:* Christoph Becker, Alan Galey, Heather MacNeil
- 2014 M.I. in Information Systems & Design, University of Toronto  
Collaborative Program in Knowledge Media Design
- 2007 B.A.S., Architectural Studies, University of Waterloo

## Research Experience

- Spring 2018 Guest Researcher - NetLab, Aarhus University  
Conducted fieldwork for my doctoral dissertation under the supervision of Dr. Niels Brügger to study the curatorial choices in web archiving.
- Summer 2015 Digital Methods Initiative Summer School  
Worked collaboratively with other students, researchers, and designers to develop projects on Post-Snowden Media Empiricism and Secondary Social Media using digital methods tools for data gathering and analysis.
- 2014–2016 Research Assistant – BenchmarkDP, Digital Curation Institute  
Worked with Dr. Christoph Becker on a project investigating organizational assessment in the field of Digital Preservation, using theoretical frameworks of Capability Maturity Models, and principles of Design Science Research.
- 2013–2014 Research Assistant – MEOW project, GRAND Networks of Centres of Excellence  
Worked with Dr. Kelly Lyons on the Media Enabled Organizational Workflow (MEOW) project to explore indicators of multidisciplinary work in research, comparing publication bibliometrics with altmetrics and social media activity.

## Teaching Experience

- 2018 Teaching Assistant, INF1003H Information Systems, Services and Design
- 2014 and 2017 Teaching Assistant, INF2122H Digital Preservation and Curation
- 2015 Teaching Assistant, INF1340H Introduction to Information Systems

## Professional Experience

- 2014 MyPlanet Fellowship – MyPlanet Digital, Toronto  
Developed a prototype web application for a local business, working in an interdisciplinary team of students using agile design methods.
- 2012–2013 Marketing Coordinator – E.R.A. Architects, Toronto  
Responsible for coordinating proposal packages for new heritage architecture and planning projects, including development of plans and budgets with managers.

## Grants & Fellowships

- 2018 and 2014 Ontario Graduate Scholarship
- 2017 SSHRC Michael Smith Foreign Study Supplement
- 2015–2018 SSHRC Canada Graduate Scholarship - Doctoral Award
- 2014–2018 University of Toronto Fellowship

## Honours & Awards

- 2017 IIPC Web Archiving Conference Student Travel Grant, London UK
- 2016 Travel Award, Archives Unleashed Hackathon, Washington DC
- 2017 and 2015 Doctoral Conference Travel Award, Faculty of Information
- 2015 Best Poster Award, PhD Research Days, Faculty of Information
- 2014 GRAND NCE Conference Student Travel Award
- 2014 Beta Phi Mu Letter of Achievement

## Publications

### Peer-reviewed Journal Articles

- 2018 Emily Maemura, Nicholas Worby, Ian Milligan, and Christoph Becker. If These Crawls Could Talk: Studying and Documenting Web Archives Provenance. *Journal of the Association for Information Science and Technology*, 69(10):1223–1233, October 2018
- 2017 Emily Maemura, Nathan Moles, and Christoph Becker. Organizational assessment frameworks for digital preservation: A literature review and mapping. *Journal of the Association for Information Science and Technology*, 68(7):1619–1637, July 2017

### Peer-reviewed Conference Proceedings

- 2018 Emily Maemura. What's Cached is Prologue: Reviewing Web Archives Research Towards a Model for Scholarly Use. In *Proceedings of the 81st Annual Meeting of the Association for Information Science and Technology*, Vancouver, Canada, November 2018
- 2016 Emily Maemura, Christoph Becker, and Ian Milligan. Understanding computational web archives research methods using research objects. In *2016 IEEE International Conference on Big Data (Big Data)*, pages 3250–3259, December 2016
- 2015 Emily Maemura, Nathan Moles, and Christoph Becker. A Survey of Organizational Assessment Frameworks in Digital Preservation. In *Proceedings of the 12th International Conference on Digital Preservation*, Chapel Hill, NC, November 2015

### Manuscripts in Preparation

- 2017 Christoph Becker, Emily Maemura, and Nathan Moles. The Design and Use of Assessment Frameworks in Digital Curation. November 2018 *Manuscript under review*.

## Conference Activity

### Paper Presentations

- 2017 Emily Maemura, Nicholas Worby, Christoph Becker, and Ian Milligan. *Origin stories: Documentation for Web Archives Provenance*. International Internet Preservation Web Archiving Conference, London., June 2017
- 2017 Emily Maemura. *How Web Archives are, are not, could be, and should be Archives*. Paper presented at the 9th annual Archival Education and Research Institute (AERI), Toronto., July 2017
- 2014 Emily Maemura, David Turner, Jessica Perrie, Kelly Lyons, and Eleni Stroulia. GRAND Multidisciplinarity: The Way We Are. In *5th Annual Conference of the Graphics, Animation and New Media (GRAND) Network of Centres of Excellence*, Ottawa, ON, May 2014

### Conference Workshop Organizer

- 2017 Emily Maemura, Christoph Becker and Ian Milligan. *Data, process, and results: Connecting web archival research elements*. Workshop presented at the Researchers, Practitioners and the Archived Web Conference, London., June 2017
- 2016 Dawn Walker and Emily Maemura. *Touring the Internet*. Workshop presented at the MidweSTS Graduate Student Workshop, Chicago., September 2016

### Panels

- 2017 Emily Maemura, Matt Price, Ashley Sands. *Challenges for Grassroots Web Archiving of Environmental Data*. Web Archiving and Digital Libraries (WADL) Workshop at the Joint Conference on Digital Libraries, Toronto., June 2017

### Other Conference Presentations

- 2018 Presentation at Doctoral Colloquium, Association for Information Science and Technology Annual Meeting, November 2018
- 2018 Presentation at Doctoral Colloquium, Association of Internet Researchers Conference, October 2018
- 2018 Emily Maemura. *Web archiving as DIY and Do It With Others*. Lightning talk presented at State of Our Networks, July 2018
- 2016 Emily Maemura, Dylanne Dearborn, Leanne Trimble, Matthew Gertler, and Christoph Becker. *Identifying RDM Drivers, Gaps and Opportunities: A Baseline Assessment*. Poster session presented at the 11th International Digital Curation Conference (IDCC16), February 2016
- 2015 Yunpeng Li, David Turner, Emily Maemura, Kelly Lyons, and Eleni Stroulia. *Comparing Measures of Research Output*. Poster session presented at the Consortium for Software Engineering Research (CSER) 2015 Fall meeting., November 2015
- 2015 Emily Maemura. *Digital Objects, Networked Experiences*. Poster session presented at the PhD Research Days, Faculty of Information, University of Toronto., 2015
- 2015 Christoph Becker, Emily Maemura, Kresimir Duretec, Artur Kulmukhametov, Andreas Rauber, Hannes Kulovits, Ricardo Vieira, Elsa Cardoso, and Jose Borbinha. *BenchmarkDP: Evidence for Digital Preservation*. Poster session presented at the 10th International Digital Curation Conference, London., February 2015

- 2014 Emily Maemura, David Turner, Jessica Perrie, Kelly Lyons, and Eleni Stroulia. *Multidisciplinarity Measures in GRAND*. Poster session presented at the 5th Annual Conference of the Graphics, Animation and New Media (GRAND) Network of Centres of Excellence, Ottawa., May 2014

## Departmental Talks

- 2018 Emily Maemura. "Explorations of Netarkivet: Preliminary Findings". NetLab Forum, Aarhus University, Aarhus, Denmark., May 2018
- 2018 Emily Maemura. "If These Crawls Could Talk: Studying and Documenting Web Archives Provenance". NetLab Forum, Aarhus University, Aarhus, Denmark., February 2018
- 2017 Emily Maemura, Christoph Becker, Ian Milligan. "How are Web Archives Made and Used? A Report and Discussion on Work in Progress at the Digital Curation Institute". Faculty of Information, University of Toronto., February 2017

## Service to Profession

- 2017 Co-Chair Posters & Demos, Joint Conference on Digital Libraries (JCDL)
- 2017 Doctoral Subcommittee, Archival Education and Research Institute (AERI)
- 2014-2016 Executive Role (Treasurer, Secretary), Association for Information Systems (AIS), University of Toronto Student Chapter

**Peer Reviewing:** Joint Conference on Digital Libraries, PeerJ Computer Science (with Prof. Kelly Lyons), GRAND NCE Conference.

## Departmental Service

- 2016-2017 President, Doctoral Student Association
- 2016-2017 Executive Committee of Faculty Council, PhD Student Representative
- 2016-2017 Truth & Reconciliation Student Working Group, Member
- 2015-2016 Decanal Search Advisory Committee, PhD Student Representative
- 2015-2016 Space Allocation Committee, PhD Student Representative
- 2014-2016 Information Services Committee, PhD Student Representative

## Professional Memberships and Affiliations

- 2018-Present Association for Information Science & Technology (ASIS&T), Student Member
- 2018-Present Association for Internet Researchers, Student Member
- 2014-2017 Association for Computing Machinery (ACM), Student Member
- 2013-2015 Visual Resources Association, Student Member