Peter Organisciak

Crowdsourcing ◊ Large-scale Text Analysis ◊ Information Retrieval
organis2@illinois.edu | 617-383-7674 | www.porganized.com

EDUCATION

2015 **PhD in Library and Information Science**, University of Illinois.
Field: *Information Storage and Retrieval*. Dissertation: "Design Problems in Crowdsourcing: Improving The Quality of Crowd-Based Data Collection". Committee: Michael Twidale (advisor), Miles Efron, J. Stephen Downie, Jaime Teevan.

2010 **MA in Humanities Computing—Library and Information Studies**, University of Alberta.
Thesis: "Why Bother? The motivations of users in large-scale crowd-powered online initiatives".
Committee: Lisa M. Given, Geoffrey Rockwell, and Stan Ruecker.

2008 **Honors BA in Communication Studies and Multimedia**, McMaster University.

PAPER/CONTRIBUTION AWARDS

- Notable Paper, HCOMP 2014
- Outstanding Contribution Award, CSDH-CSHN
- Fortier Prize (young scholar award) shortlist, DH 2013
- Best Paper, ASIS&T 2011 (2nd author)
- Fortier Prize shortlist, DH 2011
- Best Student Paper, SDH-SEMI 2011

PUBLICITY

"Online crowd can guess what you want to watch or buy", Hal Hodson, New Scientist, 2989: Oct 02 2014. Appeared in print as "The strangers who do your choosing for you".
"It's *Out of Africa* meets *Pretty Woman*! The Art and Science of Mixture Descriptions", Katy Waldman, Slate (Lexicon Valley: A Blog about Language): Nov 23, 2015.

INTERNSHIPS

Microsoft Research, Cambridge, MA (2013)
Advised by Adam Tauman Kalai, Jaime Teevan, and Susan Dumais. Worked on subjective crowdsourcing approaches, including techniques for personalization through online crowds.

PUBLICATIONS

📖 Journal Articles

1. Xiao Hu, Jin Ha Lee, David Bainbridge, Kahyun Choi, Peter Organisciak, J. Stephen Downie. 2015. "The MIREX grand challenge: A framework of holistic user-experience evaluation in music information retrieval." *Journal of the Association for Information Science and Technology*.
2. Sayan Bhattacharyya, Peter Organisciak, J. Stephen Downie. 2015. "A fragmentising interface to a large corpus of digitized text: (Post)humanism and non-consumptive reading via features." *Interdisciplinary Science Reviews (Special Issue on the Future of Reading)*.
3. Geoffrey Rockwell, Peter Organisciak, Stan Ruecker, Megan Meredith-Lobay, Kamal Ranaweera, Julianne Nyhan. 2012. "The design of an international social media event: A Day in the Life of the Digital Humanities." *Digital Humanities Quarterly*.
4. Geoffrey Rockwell, Stéfan Sinclair, Stan Ruecker, Peter Organisciak. 2010. "Ubiquitous Text Analysis." *Poetess Archive Journal*.

🖹 Proceedings Papers

1. Peter Organisciak, Jaime Teevan, Susan Dumais, Robert C. Miller, Adam Tauman Kalai. 2015. "Matching and Grokking: Approaches to Personalized Crowdsourcing." *International Joint Conferences on Artificial Intelligence*. Buenos Aires, Argentina.
2. Peter Organisciak, J. Stephen Downie. 2015. "Improving Consistency of Crowdsourced Multimedia Similarity for Evaluation." *Joint Conference on Digital Libraries 2015*. Knoxville, TN.
3. Peter Organisciak, Michael B. Twidale. 2015. "Design Facets of Crowdsourcing." *Proceedings of the 2015 iConference (iConference '15)*. Newport Beach, CA.
4. Peter Organisciak, Jaime Teevan, Susan T. Dumais, Robert C. Miller, Adam Tauman Kalai. 2014. "A Crowd of Your Own: Crowdsourcing for On-Demand Personalization." *Proceedings of the Second AAAI Conference on Human Computation & Crowdsourcing (HCOMP 2014)*. Pittsburgh, USA. 🏆 **Notable Paper**.
5. Peter Organisciak, Michael B. Twidale. 2014. "When the Elevator Pitch Meets the Subject Heading: How Mixtures of Other Documents Can Describe What a Document is About." *Proceedings of the American Society for Information Science and Technology (ASIS&T '14)*. Seattle, Washington, USA.
6. Peter Organisciak. 2013. "Addressing Diverse Corpora with Cluster-based Term Weighting." *Proceedings of the 13th ACM/IEEE-CS Joint Conference on Digital Libraries (JCDL '13)*. New York, NY, USA.
7. Peter Organisciak, Miles Efron, Katrina Fenlon, Megan Senseney. 2012. "Evaluating rater quality and rating difficulty in online annotation activities." *Proceedings of the American Society for Information Science and Technology (ASIS&T '12)*. Baltimore, MD.
8. Katrina Fenlon, Miles Efron, Peter Organisciak. 2012. "Tooling the aggregator's workbench: Metadata visualization through statistical text analysis." *Proceedings of the American Society for Information Science and Technology (ASIS&T '12)*.
9. Miles Efron, Peter Organisciak, Katrina Fenlon. 2012. "Improving Retrieval of Short Texts Through Document Expansion." *Proceedings of the 35th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR '12)*. New York, NY, USA.
10. Miles Efron, Peter Organisciak, Katrina Fenlon. 2011. "Building Topic Models in a Federated Digital Library Through Selective Document Exclusion." *Proceedings of the American Society for Information Science and Technology (ASIS&T '11)*. New Orleans, USA. 🏆 **Best Paper**.

🗉 Presentations, Extended Abstracts

1. Peter Organisciak, Loretta Auvil, J. Stephen Downie. 2015. "Remembering books: A within-book topic mapping technique." *Digital Humanities 2015*. Sydney, Australia.
2. Peter Organisciak, Loretta Auvil, Sayan Bhattacharyya, J. Stephen Downie. 2015. "The HTRC Extracted Features Dataset." *Joint Canadian Society for the Digital Humanities and Association for Computing in the Humanities Conference*.
3. Peter Organisciak, Sayan Bhattacharyya, J. Stephen Downie. 2014. "Reading via Fragments: Non-consumptive Reading as Practical Necessity and as Post-humanist Performativity." *Experimental Interfaces for Reading 2.0: INKE ID Conference*. Chicago, IL.
4. Peter Organisciak. 2013. "Incidental Crowdsourcing: Crowdsourcing in the Periphery." *Digital Humanities 2013*. Lincoln, Nebraska. 🏆 **Fortier Prize shortlist (young scholar award)**.
5. Peter Organisciak. 2012. "A Modest Payment for a Modern Proposal." *SDH-SEMI Annual Meeting*. Waterloo, Ontario, Canada.

6. Peter Organisciak. 2011. "When to ask for help: Evaluating projects for crowdsourcing." *Digital Humanities 2011*. Stanford University, Stanford, USA.🏆**Fortier Prize shortlist**.
7. Milena Radzikowska, Stan Ruecker, Susan Brown, Peter Organisciak, . 2011. "Structured Surfaces for JiTR." *Digital Humanities 2011*. Stanford University, Stanford, USA.
8. Peter Organisciak, Garry Wong, Calen Henry, Lucio Guiterrez. 2011. "Pico Safari: Active Gaming in Integrated Environments." *Annual Meeting of the Society for Digital Humanities (SDH-SEMI 2011)*. Fredericton, Canada.🏆 **Best Student Paper**.
9. Peter Organisciak. 2010. "Motivations of Users in Large-Scale Crowd-Powered Online Initiatives." *Chicago Colloquium on Digital Humanities and Computer Science (DHCS '10)*. Evanston, IL, USA.
10. Geoffrey Rockwell, Stan Ruecker, Peter Organisciak, Megan Meredith-Lobay, Kamal Ranaweera, Stéfan Sinclair. 2010. "Analyzing A Day in the Life of Digital Humanities." *Digital Humanities 2010*. King's College London, UK.
11. Geoffrey Rockwell, Stan Ruecker, Peter Organisciak, Megan Meredith-Lobay, Kamal Ranaweera, Julianne Nyhan. 2010. "What do we say about ourselves? An analysis of the Day of DH 2009 data." *Annual Meeting of the Society for Digital Humanities (SDH-SEMI 2010)*. Concordia University, Montreal, Canada.
12. Peter Organisciak, Geoffrey Rockwell, Stéfan Sinclair, Stan Ruecker. 2010. "Text Analysis for me Too: An embeddable text analysis widget." *Annual Meeting of the Society for Digital Humanities (SDH-SEMI 2010)*. Concordia University, Montreal, Canada.
13. Peter Organisciak, Kathleen Reed, Alicia Hibbert. 2010. "Shortcuts and Dead Ends: Control Issues With Online User-Generated Content." *Canadian Association for Information Science 2010 (CAIS '10)*. Concordia University, Montreal, Canada.
14. Peter Organisciak. 2010. "Collecting Crowds: A Survey-based Introduction to Crowdsourcing." *HuCon 2010: Current Graduate Research in Humanities Computing*. University of Alberta, Edmonton, Canada.
15. Stan Ruecker, Geoffrey Rockwell, Susan Brown, Stéfan Sinclair, Peter Organisciak. 2009. "Mashing Texts: Supporting collections level text analysis." *Digital Humanities 09*. University of Maryland, USA.
16. Geoffrey Rockwell, Stan Ruecker, Peter Organisciak, Stéfan Sinclair. 2009. "Ubiquitous Text Analysis." *Digital Humanities 09*. University of Maryland, USA.
17. Stéfan Sinclair, David Beacon, Susan Brown, J. Stephen Downie, Carlos Fiorentino, Patrick Juola, Peter Organisciak, Geoffrey Rockwell, Susan Schreibman, Kirsten Uszkalo. 2009. "TADA Research Evaluation Exchange: Winning 2008 Submissions." *Digital Humanities 09*. University of Maryland, USA.
18. Christine Varnam, Peter Organisciak, Kathleen Reed, Alicia Hibbert, Diana Keto. 2009. "Invasion of the And-Ors: Applying Active Learning Principles in the Development of a Flash-based Boolean Search Tutorial and Game." *Canadian Association for Information Science*. Carleton University, Ottawa, Canada.
19. Geoffrey Rockwell, Stan Ruecker, Peter Organisciak. 2009. "Introducing a Day in the Life of the Digital Humanities." *Annual Meeting of the Society for Digital Humanities (SDH-SEMI 2009)*. Carleton University, Ottawa, Canada.
20. Geoffrey Rockwell, Stan Ruecker, Peter Organisciak, Susan Brown, Stéfan Sinclair. 2009. "Exploring New Possibilities in Rapid Research Document Management." *Annual Meeting of the Society for Digital Humanities*. Carleton University, Ottawa, Canada.

🖼 Short Papers, Posters, Demos

1. Rajan Vaish, Peter Organisciak, Kotaro Hara, Jeffrey P. Bigham, Haoqi Zhang. 2014. "Low Effort Crowdsourcing: Leveraging Peripheral Attention for Crowd Work." *Proceedings of the Second AAAI Conference on Human Computation & Crowdsourcing (HCOMP 2014)*. Pittsburgh, USA.

2. Peter Organisciak, Sayan Bhattacharyya, Loretta Auvil, J. Stephen Downie. 2014. "Large-scale text analysis through the HathiTrust Research Center." *Digital Humanities 2014*. Lausanne, Switzerland.
3. Harriett Green, Katrina Fenlon, Megan Senseney, Sayan Bhattacharyya, Craig Willis, Peter Organisciak, J. Stephen Downie, Timothy W. Cole, Beth Plale. 2014. "Using collections and worksets in large-scale corpora: Preliminary findings from the Workset Creation for Scholarly Analysis project." *iConference 2014 Proceedings*.
4. Peter Organisciak, Jaime Teevan, Susan Dumais, Robert C. Miller, Adam Tauman Kalai. 2013. "Personalized Human Computation." *First AAAI Conference on Human Computation and Crowdsourcing (HCOMP)*. Palm Springs, CA.
5. Peter Organisciak. 2012. "An Iterative Reliability Measure for Semi-anonymous Annotators." *Joint Conference on Digital Libraries*. Washington DC, USA.
6. Katrina Fenlon, Peter Organisciak, Jacob Jett, Miles Efron. 2011. "Semi-automated Collection Evaluation for Large-scale Aggregations." *Proceedings of the American Society for Information Science and Technology (ASIS&T '11)*. New Orleans, USA.

👥 Panels, Workshops, Alternative Events
1. Peter Organisciak. 2014. "Feature Extraction." *Chicago Colloquium on Digital Humanities and Computer Science*. Evanston, IL, USA. Part of "HathiTrust Research Center" Panel, with J. Stephen Down, Jacob Jett, Loretta Auvil, and Pip Wilcox.
2. Michael B. Twidale, Sally Jo Cunningham, James Howison, Peter Organisciak, Jeff Ginger, Brittany Smith, Ingbert Schmidt. 2013. "Tech Learning Potluck." *iConference 2013*. Fort Worth, Texas. Alternative event.
3. Michael B. Twidale, Sunah Suh, Ingbert Schmidt, Peter Organisciak, Jeff Ginger, Jean-François Blanchette, Matthew Ratto, Christopher Lueg. 2012. "Design Jams in iSchools: approaches, challenges and examples." *iConference 2012*. Toronto, Canada. Alternative event.
4. Stan Ruecker, Geoffrey Rockwell, Peter Organisciak, Jean-Guy Meunier, Michael Eberle-Sinatra, Alan Galey, Aimee Siemens, Ray Siemens. 2009. "Graduate Education in the Digital Humanities." *Society for Digital Humanities 2009*. Carleton University, Ottawa, Canada. Panel.

Position Papers
1. Peter Organisciak, Rajan Vaish. 2016. "Accomplishing Low-Attention Microtasks." *CHI2016 workshop: Productivity Decomposed: Getting Big Things Done with Little Microtasks*. San Jose, USA.
2. Peter Organisciak. 2014. "Reliable Task Design for Descriptive Crowdsourcing." *HCOMP 2014 Doctoral Consortium*. Pittsburgh, PA, USA.
3. Miles Efron, Peter Organisciak. 2011. "A Palette Mixing Model of Information Seeking for Complex Queries." *Proceedings of the SIGIR 2011 Workshop on "entertain me": Supporting Complex Search Tasks*. Beijing, China.

Other
1. Peter Organisciak. 2015. "The HTRC Extracted Features Dataset." *AnalyzeBoulder*.
2. UIUC team. 2012. "The University of Illinois' Graduate School of Library and Information Science at TREC 2012." *TREC 2012*. Gaithersburg, Maryland.
3. Miles Efron, Adam Kehoe, Peter Organisciak, Sunah Suh. 2011. "The University of Illinois' Graduate School of Library and Information Science at TREC 2011." *TREC 2011*. Gaithersburg, Maryland.
4. IMLS Team. 2011. "CLIR-DLF/IMLS DCC Beta Sprint." *DPLA Plenary*. Washington, DC.

GRANT WRITING

"Exploring the Billions and Billions of Words in the HathiTrust Corpus with Bookworm: HathiTrust + Bookworm". $324,841. NEH implementation grant. PIs: J.Stephen Downie and Erez Lieberman Aiden. Sept 2014-Aug 2016. Press Release. Contribution: Significant role in proposal development and writing.

TEACHING

Tutorial Workshops
"Mining Texts with the Extracted Features Dataset." Summer 2016. Digital Humanities 2016, Krakow, Poland.

Courses
1. "Digital Libraries." Fall 2013, Spring 2014, Fall 2014. Graduate School of Library and Information Science, University of Illinois. TA to Stephen Downie.
2. "Crowdsourcing." Jan-July 2008. Metroland West Group. Private sector (publishing).
3. "Web Development." Dec 2007-June 2008. Metroland West Group.
4. "Introduction to Computing in the Humanities." Sept-Dec 2007. Department of Communication Studies and Multimedia, McMaster University. TA to Stéfan Sinclair. Led tutorials on introductory web design, usability and online media.
5. "Mashups." Nov-Dec 2007. Metroland West Group.

Invited Talks
1. "Non-Consumptive Text and Data Mining with The HathiTrust Research Center." March 2016. *Text and Data Mining: Developing Policies and Practices in a Changing Discovery Landscape*, National Federation of Advanced Information Services (NFAIS).
2. "Designing for Better Crowdsourcing: Improving the Quality of Crowd-based Data Collection." Oct 2015. University of Texas at Austin, Austin, TX.
3. "Optimizing online crowds: Understanding bias in objective and subjective crowdsourcing." Feb 2015. Host: Adam Kalai, Microsoft Research New England, Cambridge, MA.
4. "Crowdsourcing in the Academy." Aug 2014. University of Minnesota, Minneapolis, MN. Series: DASH Summer Camp.
5. "Incentivizing Online Crowds." Oct 2013. Host: Jana Diesner, University of Illinois, Champaign, IL.
6. "When to ask for help: Optimizing projects for crowdsourcing." Apr 2013. Host: Susan Dumais, Microsoft Research, Redmond, WA. Series: MSR Talk Series.

Guest Talks
1. "Usability and Design." *Digital Libraries*, Prof: J. Stephen Downie. Taught: 10/2011, 03/2012, 10/2012, 9/2013, 02/2014, 09/2014.
2. "Introduction to Crowdsourcing." *Information Organization and Access*, Prof. Miles Efron. Taught: 12/2012.
3. "Accessible Data Visualization." *Museum Informatics*, Prof: Mike Twidale. Taught: 11/2011, 04/2012.
4. "Basics of Javascript Programming." *Web Technologies and Techniques*, Instructor: Ingbert Floyd. Taught: 11/2011.
5. "Digital Humanities." *Design of Usable Information Interfaces*, Instructor: Jeff Ginger. Taught: 09/2011.

PROFESSIONAL ACTIVITIES

Reviewing
CHI (ACM Conference on Human Factors in Computing Systems), HCOMP (AAAI Conference on Human Computation and Crowdsourcing), Transactions on Intelligent Systems and Technology, JOHD (Journal of Open Humanities Data), (DHQ) Digital Humanities Quarterly, DH (Digital Humanities), ICWSM (AAAI Conference on Weblogs and Social Media), ASIS&T (Association of Information Science and Technology Annual Meeting), iConference (The iSchools Conference)

Service
Publicity Chair, HCOMP 2016 (AAAI Conference on Human Computation and Crowdsourcing). 2016.
Program Committee, HCOMP 2016 (AAAI Conference on Human Computation and Crowdsourcing). 2016.
Editorial Board, Journal of Open Humanities. 2014-present.

Memberships
Association for the Advancement of Artificial Intelligence (AAAI, 2013-), Association for Computing Machinery (ACM, 2011-), American Society for Information Science and Technology (ASIS&T, 2011-), Alliance of Digital Humanities Organizations (ADHO, 2010-), Canadian Society for Digital Humanities (CSDH-CSHN, 2009-), Canadian Association for Information Science (CAIS, 2009-11)

OTHER EXPERIENCE

Select Work Experience
"Developer". 2007-09. Freelance development and design work in academia and publishing.
"Assistant Photographer". 2007-09. Chappell Studios Convocation ceremony photography.

"Graphic Designer". 2004-06. Hayden Industries - Brantford, ON

"Graphic Designer". 2004. Crawford and Associates - Brantford, ON

Select Volunteer Experience
"Collaborator". 2010-2011. Mozilla Labs. Part of Mozilla Labs "Crowdsourcing Crowds" team, investigating future collaborative services from Mozilla Labs.
"Layout Editor". 2005-2008. Between the Lines - Hamilton, ON. College arts paper. Strong experience with InDesign.

"President". 2006-2008. McMaster Multimedia Students Society - Hamilton, ON.

"Residence Representative". 2005. McKay Hall, McMaster University - Hamilton, ON.

"Faculty Representative". 2005, 2006. McMaster Humanities Society - Hamilton, ON.

"First-Year Representative". 2005. McMaster Humanities Society - Hamilton, ON.

AWARDS, OTHER

Queen Elizabeth II Graduate Scholarship, 2009; Dean's Honour List, 2006-08; BoM Multimedia Scholarship (for highest mark in program), 2007; Honour J, for Excellence in academic and extra-curricular activities at Saint John's College, 2004; 1st Place (city), University of Waterloo Cayley Mathematics Competition, 2002; 1st Place (city), University of Waterloo Pascal Mathematics Competition, 2001.

SKILLS

Technical
Information Retrieval: Experience with Lucene, Terrier, Indri-Lemur
Programming Languages: Proficient with JavaScript, Python, Java, R, PHP. Experience with C++, ASP Ruby, and Matlab

Select Library Experience: data.table/ggplot (R), D3.js/Backbone.js/R.js/JQuery (JS), Rails (Ruby), Numpy/Scipy (Python)

OTHER MEDIA

Tools
- *Progress Bar Timer*. Chrome extension (15000 installs, Oct 14)

REFERENCES

Michael B. Twidale (Professor, Graduate School of Library and Information Science, University of Illinois). Computer-supported cooperative work; collaborative technologies; information visualization; ubiquitous learning.
J. Stephen Downie (Professor and Associate Dean for Research, Graduate School of Library and Information Science, University of Illinois). Music information retrieval; Design and evaluation of IR systems.
Adam Tauman Kalai (Senior Researcher, Microsoft Research New England). Machine learning; crowdsourcing.
Jaime Teevan (Senior Researcher, Microsoft Research; Affiliate Professor, University of Washington). Human computer interaction; information retrieval; social media.
Geoffrey Rockwell (Professor, University of Alberta; Director, Kule Institute for Advanced Study). Textual visualization and analysis, humanities computing, instructional technology, computer games.