

December 2018

Marina Kogan

Department of Computer Science
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Research Interests

Human-centered computing; crisis informatics; computational social science; network science

Education

Ph.D. Computer Science University of Colorado Boulder	December 2017
M.S. Computer Science University of Colorado Boulder	December 2014
M.A. Sociology University of Illinois at Urbana-Champaign	December 2009
B.A. Honors Sociology and Anthropology B.S. Computer Science City University of New York	December 2005

Academic Employment

Assistant Professor Department of Computer Science University of New Mexico	Spring 2018-present
Research Assistant Hazard prediction and communication dynamics in the modern information environment Leysia Palen, Department of Computer Science University of Colorado Boulder	Fall 2014-2017
Research Assistant Improving the Connection between the Spatial and the Survey Sciences project Seth E. Spielman, Geography Department University of Colorado Boulder	Summer 2013
NSF GK-12 Fellow The eCSite Project: Engaging Computer Science in Traditional Education Clayton Lewis, Debra Goldberg, and Dirk Grunwald University of Colorado Boulder	Summer 2012 – Summer 2014
Professional Research Assistant Ethnography & Evaluation Research University of Colorado Boulder	January 2010-August 2012
Graduate Statistics Consultant	Fall 2009

Applied Technology for Learning in the Arts and Sciences
University of Illinois at Urbana-Champaign

Research Assistant

May 2008 - August 2009

Purdue and Illinois Data Curation Profile Project
Carole Palmer and Melissa Cragin
Graduate School of Library and Information Science
University of Illinois at Urbana-Champaign

Research Assistant

Summer 2007

Investing in Enduring Resources with the Earned Income Tax Credit
Ruby Mendenhall, Department of Sociology
University of Illinois at Urbana-Champaign

Teaching Assistant

Fall 2006 - Spring 2008

Introduction to Sociology
Department of Sociology, University of Illinois at Urbana-Champaign

Publications

Vaquera Chavez, N. & **Kogan, M.** Scalable detection methods for identifying attention-garnering social media content. In preparation.

Stowe, K., M. Palmer, L. Palen, K. M. Anderson, J. Anderson, **M. Kogan**, R. Morss, J. Demuth & H. Lazrus. Developing and Evaluating Annotation Procedures for Twitter Data during Hazard Events. *Joint Workshop on Linguistic Annotation, Multiword Expressions and Constructions at the International Conference on Computational Linguistics (COLING 2018)*.

Kogan, M. & Palen, L. Conversations in the Eye of the Storm: At-Scale Features of Conversational Structure in a High-Tempo, High-Stakes Microblogging Environment. *Proc of CHI*, 2018.

Demuth, J.L, R.E. Morss, L. Palen, K.M. Anderson, J. Anderson, **M. Kogan**, K. Stowe, M. Bica, H. Lazrus, O. Wilhelmi, J. Henderson (2018): "Sometimes da #beachlife ain't always da wave": Understanding People's Evolving Hurricane Risk Communication, Risk Assessments, and Responses Using Twitter Narratives. *Weather, Climate, and Society*, 10(3), 537-560.

Morss, R., Demuth, J., Lazrus, H., Palen, L, Barton, M., Davis, C., Snyder, C., Wilhelmi, O., Anderson, K., Ahijevych, D., Anderson, J., Bica, M., Fossell, K., Henderson, J., **Kogan, M.**, Stowe, K., Watts, J (2017). Hazardous Weather Prediction and Communication in the Modern Information Environment. *Bulletin of the American Meteorological Society*, 98 (12), 2653-2674.

Kogan, M. Digital Traces of Online Self-Organizing and Problem Solving in Disaster. In *GROUP'2016 Doctoral Consortium papers*. ACM.

Anderson, J., **Kogan, M.**, Bica, M., Palen, L., Anderson, K., Morss, R., Demuth, J., Lazrus, H., Wilhelmi, O., & Henderson, J. Far Far Away in Far Rockaway: Responses to Risks and Impacts during Hurricane Sandy through First-Person Social Media Narratives. *Proc of ISCRAM*, 2016.

Kogan, M., Anderson, J., Palen, L., Anderson, K., & Soden, R. Finding the Way to OSM Mapping Practices: Bounding Large Crisis Datasets for Qualitative Investigation. *Proc of CHI*, 2016.

- Anderson, J., Soden, R., Anderson, K., **Kogan, M.**, & Palen, L. EPIC-OSM: A Software Framework for OpenStreetMap Data Analytics. *Proc of HICSS*, 2016.
- Archie, T., **Kogan, M.**, & Laursen, S. L. (2015). Do labmates matter? The relative importance of workplace climate and work-life satisfaction in women scientists' job satisfaction. *International Journal of Gender, Science and Technology*, 7(3), 343-368.
- Hayward, C. N., **Kogan, M.**, & Laursen, S. L. (2015). Facilitating instructor adoption of inquiry-based learning in college mathematics. *International Journal of Research in Undergraduate Mathematics Education*. Published online November 25, 2015. DOI 10.1007/s40753-015-0021-y.
- Clauset, A., **Kogan, M.**, Redner, S. Safe leads and lead changes in competitive team sports. *Phys. Rev. E* 91:6, 2015.
- Kogan, M.**, Palen, L. & Anderson, K. Tweet Local, Retweet Global: Retweeting by the Geographically-Vulnerable during Hurricane Sandy. *Proc of CSCW*, 2015.
- Laursen, S.L., Hassi, M.-L., **Kogan, M.**, Hunter, A.-B., & Weston, T., 2014. Benefits for Women and Men of Inquiry-based Learning in College Mathematics: A Multi-institution Study. *Journal for Research in Mathematics Education*, 45(4), 406-418.
- Kogan, M.**, & Laursen, S. L., 2014. Assessing long-term effects of inquiry-based learning: A case study from college mathematics. *Innovative Higher Education*, 39(3).
- Zelikovitz, S & **Kogan, M.**, 2006, "Using Web Searches on Important Words to Create Background Sets for LSI Classification." *Proceedings of the 19th International FLAIRS Conference*, 598-603.

Posters and Workshop Papers

- Kogan, M., "Multi-Sitedness in Crisis Informatics Social Media Research." Presented at the workshop on Navigating the Challenges of Multi-Site Research at CSCW 2018, Jersey City, NJ.
- Kogan, M., "Temporal Dynamics and User Roles in Commenting Behavior." Presented at the workshop on Conceptualizing, Creating, & Controlling Constructive and Controversial Comments at CSCW 2017, Portland, OR.
- Kogan, M., "Collaborative Editing in Crisis: Crisis-Mapping in OpenStreetMap." Presented at the workshop on Collaborative Editing Systems at CSCW 2017, Portland, OR.
- Kogan, M., "Understanding Online Self-organization and Distributed Problem Solving in Disaster." Poster presented at HCOMP 2016, Austin, TX.
- Kogan, M., "Data Science and Contextual Behavior: The Case of Crisis Informatics." Presented at the workshop on Human Centered Data Science at CSCW 2016, San Francisco, CA.
- Kogan, M., "Why Data Science Needs to Attend to Contextual Behavior: The Case of Crisis Informatics." Poster session presented at: NSF Data Science Workshop; 2015 August 5-7; Seattle, WA.
- Kogan, M., "Public Transit Flow and Inequality: Network Approach." Presented at the workshop on Information Technology and City Life at CSCW 2015, Vancouver, BC.
- Kogan, M., "Finding the right information in disaster: assessing relevance and reliability of tweets from the Hurricane Sandy", Poster. Presented at 2014 CRA-W Grad Cohort Workshop, Santa Clara, CA

Kogan, M. and Laursen, S. "Obstacles in Advancement of Young Female Geoscientists: Research Results from the Earth Science Women's Network (ESWN)." Poster presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec.

Kogan, M. and Laursen, S. "Evaluating Career Development Resources: Lessons from the Earth Science Women's Network (ESWN)." Poster presented at 2010 Fall Meeting, AGU, San Francisco, Calif., 13-17 Dec.

Professional Presentations

Kogan, M. (Oct 3, 2018). Emergent Social Structures Arising Online in Disaster. Invited colloquium talk at University of New Mexico.

Kogan, M. (Apr 3, 2017). Human-Centered Data Science for Crisis Informatics. Invited colloquium talk at University of Houston.

Kogan, M. (Mar 30, 2017). Human-Centered Data Science for Crisis Informatics. Invited colloquium talk at McGill University.

Kogan, M. (Mar 27, 2017). Human-Centered Data Science for Crisis Informatics. Invited colloquium talk at Colorado State University.

Kogan, M. (Mar 23, 2017). Human-Centered Data Science for Crisis Informatics. Invited colloquium talk at Emory University.

Kogan, M. (Mar 15, 2017). Human-Centered Data Science for Crisis Informatics. Invited colloquium talk at University of North Carolina, Charlotte.

Kogan, M. (Mar 9, 2017). Human-Centered Data Science for Crisis Informatics. Invited colloquium talk at University of North Carolina, Chapel Hill.

Kogan, M. (Feb 14, 2017). Human-Centered Data Science for Crisis Informatics. Invited colloquium talk at University of New Mexico.

Kogan, M. (Feb 10, 2017). Human-Centered Data Science for Crisis Informatics. Invited colloquium talk at University of California, Merced.

Kogan, M. (Nov 13, 2016). Digital Traces of Online Self-Organizing and Problem Solving in Disaster. Presentation to ACM Group '2016 Doctoral Consortium.

Kogan, M. (Oct 30, 2016). Understanding Online Self-organization and Distributed Problem Solving in Disaster. Presentation to HCOMP '2016 Doctoral Colloquium.

Kogan, M. and Laursen, S. "Role of Faculty Professional Development in Improving Undergraduate Mathematics Education: The Case of IBL Workshops." Presented at the 15th annual Conference on Research in Undergraduate Mathematics Education, Portland, Oregon, 23-25 Feb. 2012

Kogan, M. and Laursen, S. "Assessing Suitability of Grades and Course-Taking Patterns as Measures of Long-term Student Outcomes following Inquiry-Based Learning Experiences." Presented at the Joint Mathematics Meetings, Boston, Mass., 4-7 Jan. 2012

Hassi, M.-L., Kogan, M., and Laursen, S. "Student Outcomes from Inquiry-Based College Mathematics Courses: Benefits of IBL for Students from Under-Served Groups." Presented at the 14th annual Conference on Research in Undergraduate Mathematics Education, Portland, Oregon, 24-27 Feb. 2011

- Kogan, M. "Global Pressures of National Identity: The Myth of Two Ukraines." Presented at 103rd American Sociological Association Annual Meeting, Boston, Massachusetts. August 1-4, 2008.
- Kogan, M. "Ukrainian Orange Revolution: Transnational Contention Rooted in Place and Identity." Presented at 102nd American Sociological Association Annual Meeting, New York, New York. August 11-14, 2007.
- Kogan, M. "Switching/Mixing Approach for Real-time Object Tracking in UAV Video Sequences." Presented at CSI Undergraduate Research Conference, Staten Island, NY, April 2006
- Kogan, M. "Mining the Web to Improve Text Classification." Presented at CSI Undergraduate Research Conference, Staten Island, NY, April 2006
- Kogan, M. "Exploring Queries for Background Knowledge for Text Classification." Presented at CSI Undergraduate Research Conference, Staten Island, NY, April 2005
- Kogan, M. and Belmonti, V. "Coding and Computation with Spiking Neurons." Presented at CSI Undergraduate Research Conference, Staten Island, NY, April 2004

Service

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| Program Committee Member | 2019 |
| Web and Society Track, the Web Conference (formerly WWW) | |
| Program Committee Member | 2019 |
| Interaction Beyond the Individual subcommittee, ACM Conference on the Human Factors in Computing Systems (CHI) | |
| Program Committee Member | 2018 |
| European Conference on Computer Supported Cooperative Work (ECSCW) | |
| Program Committee Member | 2018 |
| International Conference on Weblogs and Social Media (ICWSM) | |
| Member of Organizing Committee | 2018 |
| ACM International Conference on Supporting Group Work (Group '2018) | |
| Reviewer | 2017 |
| The Information Society | |
| Reviewer | 2017 |
| Social Media and Society | |
| Program Committee Member | 2017 |
| International Conference on Computational Social Science (IC2S2) | |
| Reviewer | 2016- 2018 |
| International Conference on Information Systems for Crisis Response And Management | |
| Reviewer | 2016-2018 |
| ACM Conference on Human Factors in Computing Systems (CHI) | |
| Program Committee Meeting Student Volunteer | 2016 |
| ACM Conference Human Factors in Computing Systems (CHI) | |

Student Volunteer	2016
ACM Conference on Computer Supported Cooperative Work & Social Computing	
Prospective Student Visit Volunteer/Panelist	2014, 2015, 2016
Computer Science, University of Colorado Boulder	
Informal Mentor for Junior Graduate Students	2014-2017
Computer Science, University of Colorado Boulder	

Awards and Honors

Invited participation (Camper)	June 2016
Research Institute for the Science of Socio-Technical Systems (CSST)—a competitive NSF-sponsored research institute	
NSF Data Science Workshop	August 2015
National Science Foundation and University of Washington	
CRA-W Grad Cohort	2014
Committee on the Status of Women in Computing Research	
Research Community Development Award	Fall 2012
Computer Science Department, University of Colorado	
Dean's Fellowship	Fall 2012
College of Engineering, University of Colorado	
NSF GK-12 Fellowship	Summer 2012 – Summer 2014
The eCSite Project	
University of Colorado Boulder	
List of Teacher Ranked as Excellent by their Students	Spring 2007, Spring 2008
Center for Teaching Excellence, UIUC	
Honors granted Summa Cum Laude	December 2005
City University of New York	
Distributed Mentor Project	Summer 2004
Committee on Status of Women in Computing Research (CRA-W)	

Professional Membership

Association for Computing Machinery
American Sociological Association