Marina Kogan

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University of Utah
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Research Interests

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

Education

Ph.D. Computer Science   December 2017
    University of Colorado Boulder

M.S. Computer Science   December 2014
    University of Colorado Boulder

M.A. Sociology   December 2009
    University of Illinois at Urbana-Champaign

B.A. Honors Sociology and Anthropology   December 2005
B.S. Computer Science
    City University of New York

Academic Employment

Assistant Professor   Summer 2019-present
    School of Computing
    University of Utah

Assistant Professor   Spring 2018-Spring 2019
    Department of Computer Science
    University of New Mexico

Research Assistant   Fall 2014-2017
    Hazard prediction and communication dynamics in the modern information environment
    Leysia Palen, Department of Computer Science
    University of Colorado Boulder

Research Assistant   Summer 2013
    Improving the Connection between the Spatial and the Survey Sciences project
    Seth E. Spielman, Geography Department
    University of Colorado Boulder

NSF GK-12 Fellow   Summer 2012 – Summer 2014
    The eCSite Project: Engaging Computer Science in Traditional Education
    Clayton Lewis, Debra Goldberg, and Dirk Grunwald
    University of Colorado Boulder

Professional Research Assistant   January 2010-August 2012
        Ethnography & Evaluation Research
        University of Colorado Boulder

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.

Glunt, T., & Kogan, M. Understanding Public Engagement with Authoritative Source Content in Crisis. *CHI'2019 Late Breaking Work*.

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 103nd 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

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   2018
    EPJ Data Science

Reviewer   2018
    Information Systems for Crisis Response and Management (ISCRAM)

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

Complex Systems Summer School participant   June 10-July 6, 2018
        Santa Fe Institute

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 Suma 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