

# Emily J. Smith

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CONTACT INFORMATION	University of California, Irvine Department of Sociology 3151 Social Science Plaza A Irvine, CA 92697	web: <a href="http://sites.uci.edu/emilysmith/">sites.uci.edu/emilysmith/</a> email: emilyjs@uci.edu
EDUCATION	<b>Ph.D., Sociology (expected)</b> <b>University of California, Irvine, CA</b> <i>Dissertation: The Geography and Multiplexity of Personal Networks</i> <i>Committee: Carter T. Butts, Katherine Faust, John R. Hipp</i>	<b>2018</b>
	<b>M.S., Statistics</b> <b>University of California, Irvine, CA</b>	<b>2017</b>
	<b>M.A., Sociology</b> <b>University of California, Irvine, CA</b> <i>Thesis: Understanding the Job Lead Ties of Los Angeles Residents</i> <i>Committee: Carter T. Butts, Katherine Faust, Matthew Huffman</i>	<b>2015</b>
	<b>B.S., Sociology</b> <b>Linfield College, McMinnville, OR</b>	<b>2012</b>
	<b>B.S., Mathematics</b> <b>Linfield College, McMinnville, OR</b>	<b>2012</b>
RESEARCH INTERESTS	Social network analysis, mathematical sociology, space and geography, gender, inequality, quantitative sociology	
ARTICLES & PEER-REVIEWED CONFERENCE PAPERS	Boessen, A., Hipp, J.R., Butts, C.T., Nagle, N.N. & <b>Smith, E.J.</b> (2017). Social fabric and fear of crime: Considering spatial location and time of day. <i>Social Networks</i> . Forthcoming.	
	Boessen, A., Hipp, J.R., Butts, C.T., Nagle, N.N., & <b>Smith, E.J.</b> (2016). The built environment, spatial scale, and social networks: Do land uses matter for personal structure? <i>Environment and Planning B: Urban Analytics and City Science</i> . Forthcoming.	
	<b>Smith, E.J.</b> , Marcum, C.S., Boessen, A., Almquist, Z.W., Hipp, J.R., Nagle, N.N., & Butts, C.T. (2015). The Relationship of Age to Personal Network Size, Relational Multiplexity, and Proximity to Alters in the Western United States. <i>The Journals of Gerontology, Series B: Psychological Sciences and Social Sciences</i> , 70(1): 91-99.	
	Boessen, A., Hipp, J.R., <b>Smith, E.J.</b> , Butts, C.T., Nagle, N.N., & Almquist, Z. (2014). Networks, Space, and Residents' Perceptions of Cohesion. <i>American Journal of Community Psychology</i> , 53: 447-461.	
	Gjoka, M., <b>Smith, E.J.</b> , & Butts, C.T. (2014). Estimating Clique Composition and Size Distributions from Sampled Network Data. In <i>Proceedings of First IEEE International Workshop on Network Science For Communication Networks</i> .	
ARTICLES UNDER REVIEW	Boessen, A., Hipp, J.R., Smith, E.J., Butts, C.T., & Nagle, N.N. (2016). "Social Fabric and Fear of Crime: Considering Spatial Location and Time of Day. Revise & resubmit.	

WORKING PAPERS	<p>Smith, E.J., Almquist, Z.W., Boessen, A., Butts, C.T., Hipp, J.R., &amp; Nagle, N.N. <i>The geography and multiplexity of job lead ties.</i></p> <p>Smith, E.J., Butts, C.T., Hipp, J.R., &amp; Nagle, N.N. <i>Predicting respondent precision of geographic locations.</i></p>
TECHNICAL REPORTS	Austin, J., Smith, E.J., Srinivasan, S., Sanchez, F.A. (2011). <i>Social Dynamics of Gang Involvement: A Mathematical Approach.</i> MTBI Technical Report: MTBI-08-08M.
CONFERENCE PRESENTATIONS	<p>Smith, E.J., Butts, C.T., Hipp, J.R., &amp; Nagle, N.N. (August, 2016). "Predicting Respondent Precision of Geographic Location." American Sociological Association Annual Meeting, Seattle, WA.</p> <p>Smith, E.J., Butts, C.T., Hipp, J.R., &amp; Nagle, N.N. (April, 2016). "Predicting Respondent Precision of Geographic Location." 36th International Sunbelt Network Conference (INSNA), Newport Beach, CA.</p> <p>Smith, E.J., Marcum, C.S., Boessen, A., Almquist, Z.W., Hipp, J.R., Nagle, N.N., &amp; Butts, C.T. (August, 2014). "The Relationship of Age to Personal Network Size, Relational Multiplexity, and Proximity to Alters in the Western United States." American Sociological Association: Section on Aging and the Life Course Roundtables, San Francisco, CA.</p> <p>Smith, E.J., Marcum, C.S., Boessen, A., Almquist, Z.W., Hipp, J.R., Nagle, N.N., &amp; Butts, C.T. (February, 2014). "The Relationship of Age to Personal Network Size, Relational Multiplexity, and Proximity to Alters in the Western United States." 34th Sunbelt Network Conference (INSNA), St. Pete Beach, FL.</p> <p>Yu, Y., Smith, E.J., &amp; Butts, C.T. (February, 2014). "Retrospective Network Imputation from Life History Data: the Impact of Designs." 34th Sunbelt Network Conference (INSNA), St. Pete Beach, FL.</p> <p>Gjoka, M., Smith, E.J., &amp; Butts, C.T. (February, 2014). "Design-Based Estimators for Attribute-Labeled, Low Semidiameter Subgraphs." 34th Sunbelt Network Conference (INSNA), St. Pete Beach, FL.</p> <p>Smith, E.J., Almquist, Z.W., Boessen, A., Butts, C.T., Hipp, J.R., &amp; Nagle, N.N. (August, 2013). "Understanding the Job Lead Ties of Los Angeles Residents." American Sociological Association: Section on Mathematical Sociology Paper Session, New York, NY.</p> <p>Smith, E.J., Almquist, Z.W., Boessen, A., Butts, C.T., Hipp, J.R., &amp; Nagle, N.N. (May, 2013). "Understanding the Job Lead Ties of Los Angeles Residents." 33rd Sunbelt Network Conference (INSNA), Hamburg, Germany.</p>
FELLOWSHIPS & AWARDS	<p><b>Graduate Student Fellow</b> <span style="float: right;"><b>2012 - Present</b></span>  <i>Center for Networks and Relational Analysis</i>  <i>University of California, Irvine, CA</i></p>
RESEARCH EXPERIENCE	<p><b>Graduate Student Researcher</b> <span style="float: right;"><b>2012 - Present</b></span>  <i>PI: Carter T. Butts, Departments of Sociology and Statistics</i>  <i>University of California, Irvine, CA</i></p> <p><b>Student Researcher</b> <span style="float: right;"><b>Summer 2011</b></span>  <i>Mathematical &amp; Theoretical Biology Institute</i>  <i>Director: Carlos Castillo Chavez, Professor of Mathematical Biology</i>  <i>Arizona State University, Tempe, AZ</i></p>

TEACHING  
EXPERIENCE

**Instructor: Short Courses**

- Introduction to R (Spring 2016, Fall 2016, Winter 2017), Data Science Initiative, University of California, Irvine.

**Teaching Assistant**

- Chemical and Materials Physics (ChaMP) Summer Program (September 2015). School of Physical Sciences, University of California, Irvine.

**Workshop Assistant**

- Introduction to Social Network Analysis with R and statnet (April 2016). 36th Sunbelt Conference, Newport Beach, CA.
- Moving beyond Descriptives: Basic Network Statistics with statnet (April 2016). 36th Sunbelt Conference, Newport Beach, CA.
- Modeling Relational Event Dynamics with statnet (April 2016). 36th Sunbelt Conference, Newport Beach, CA.
- Valued Network Modeling with statnet (April 2016). 36th Sunbelt Conference, Newport Beach, CA.
- Modeling Relational Event Dynamics with statnet (February 2014). 34th Sunbelt Conference, St. Pete Beach, FL.
- Moving Beyond Descriptives: Basic Network Statistics with statnet (February 2014). 34th Sunbelt Conference, St. Pete Beach, FL.
- Exponential-family Random Graph Modeling (ERGMs) with statnet (February 2014). 34th Sunbelt Conference, St. Pete Beach, FL.
- Modeling Relational Event Dynamics with statnet (May 2013). 33rd Sunbelt Conference, Hambury, Germany.
- Exponential-family Random Graph Modeling (ERGMs) with statnet (May 2013). 33rd Sunbelt Conference, Hambury, Germany.
- Valued Network Modeling with statnet (May 2013). 33rd Sunbelt Conference, Hambury, Germany.

SERVICE

Student Representative to the Mathematical Sociology Section of ASA **2016 - Present**

PROFESSIONAL  
MEMBERSHIPS

American Sociological Association (ASA)  
• Section on Mathematical Sociology  
International Network for Social Network Analysis (INSNA)