

COLIN BURKE

CONTACT INFORMATION

Department of Sociology
UC San Diego
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EDUCATION

2021 (expected)	Ph.D., Sociology – Science Studies	<i>University of California, San Diego</i>
2020	M.A., Sociology	<i>University of California, San Diego</i>
2015	M.S., Applied Criminology * With distinction	<i>Northern Arizona University</i>
2013	B.S., Sociology * <i>Magna cum laude</i>	<i>Northern Arizona University</i>
2013	B.S., Criminology & Criminal Justice * <i>Magna cum laude</i>	<i>Northern Arizona University</i>

RESEARCH AND TEACHING INTERESTS

Computational social science, social networks, quantitative methods, mixed-methods, surveillance, big data, science and technology, organizations

DISSERTATION

“Watching the Watchers: Networks, Organizations, and Infrastructures of Surveillance.”
Committee: Kevin Lewis (chair), Amy Binder, John Evans, Juan Pablo Pardo-Guerra, Kelly Gates

PUBLICATIONS

Burke, Colin and Cinnamon Bloss. 2020. “Social Media Surveillance in Schools: Re-thinking Public Health Interventions in the Digital Age.” *Journal of Medical Internet Research* 22(11).

Burke, Colin. 2020. “Digital Sousveillance: A Network Analysis of the US Surveillant Assemblage.” *Surveillance and Society* 18(1): 74-89.

Burke, Colin and Lynn Jones. 2018. “Political Action Committees (influence on security, civil liberties).” *The SAGE Encyclopedia of Surveillance, Security, and Privacy*.

GRANTS AND AWARDS

2021	Student Forum Travel Award, American Sociological Association.
2021	Dissertation Writing Grant, Science Studies Program, University of California, San Diego. (\$6,000)
2020	Fellowship – Data Accountability and Governance, Institute for Practical Ethics, University of California, San Diego. (\$5,000)
2020	Dissertation Research Grant, Science Studies Program, University of California, San Diego. (\$5,000)
2019	Teaching Assistant Excellence Award, Department of Sociology, University of California, San Diego.
2019	Science Studies Research Grant, Science Studies Program, University of California, San Diego. (\$700)
2018	Summer Research Grant, for “ <i>Watching the Watchers: Mapping the US Surveillant Assemblage</i> ,” Department of Sociology, University of California, San Diego. (\$2,000)
2018	Science Studies Research Grant, Science Studies Program, University of California, San Diego. (\$700)
2015	Fellowship, Department of Sociology, University of California, San Diego. (\$20,000)
2014	“Investigating Difference” Professional Development Grant, Department of Criminology and Criminal Justice, Northern Arizona University. (\$1000)
2014	Outstanding Graduate Assistant, Department of Criminology and Criminal Justice, Northern Arizona University.
2013	Outstanding Senior of the Year Award, Department of Criminology and Criminal Justice, Northern Arizona University.
2013	Outstanding Senior of the Year Award, Department of Sociology, Northern Arizona University.
2009	President’s Scholarship, Northern Arizona University. (\$25,000)

PRESENTATIONS

- 2021 “Stakeholders’ Attitudes Towards the Use of Social Media Surveillance Technologies in Schools,” Presented at the 116th Annual Meeting of the American Sociological Association (ASA).
- 2021 “Embeddedness and Economic Capital: The Case of Surveillance Organizations,” Presented at Networks 2021: A Joint Sunbelt and NetSci Conference.
- 2021 “The Ethics of Big Data,” Invited Talk, The Ethics of Public Health Research & Practice Seminar, University of California, San Diego.
- 2020 “Digital Sousveillance: A Network Analysis of US Surveillance Organizations,” (Poster) Presented at 9th International Conference of Complex Networks and their Applications.
- 2020 “Digital Sousveillance: Open Data and Network Analysis for Organizational Transparency and Accountability,” Presented at Annual Meeting of the International School and Conference on Network Science (NetSci).
- 2020 “Computational Methods and Open Data in ‘Modern’ Social Science,” Presented at Quant CoLab, University of California, San Diego.
- 2020 “Always Watching: A Network Analysis of Surveillance Organizations,” Presented at Graduate Student Conference, University of California, San Diego.
- 2020 “Computational and Quantitative Methods”, Presented at Graduate Student Conference, University of California, San Diego.
- 2015 “The Rise of the United States as a ‘Surveillance Superpower’: Pre-Crime, New Assemblages of Power, and State-Corporate Crime,” Presented at Annual Meeting of the American Society of Criminology.
- 2015 “Examining Post-9/11 Surveillance: Pre-Crime, Risk and State-Corporate Crime,” Accepted for Presentation at Annual Meeting of the Society for the Study of Social Problems [Session Canceled].
- 2014 “Public/Private Surveillance: Reassembling Power, Reconsidering Justice,” Presented at Annual Meeting of the Western Society of Criminology.

TEACHING EXPERIENCE

Instructor of Record

- Fall 2020 Network Data and Methods, Department of Sociology, University of California, San Diego (Undergraduate Upper-Division Lecture Course)
- Summer 2020 Network Data and Methods, Department of Sociology, University of California, San Diego (Undergraduate Upper-Division Lecture Course)
- Winter 2020 Network Data and Methods, Department of Sociology, University of California, San Diego (Undergraduate Upper-Division Lecture Course)

Teaching Assistant

- Spring 2021 Criminal Punishment, with Valerie Summers, Department of Sociology, University of California, San Diego (Undergraduate Upper-Division Lecture Course)
- Spring 2020 Introduction to Law & Society, with Dr. Jeffrey Tierschfield, Department of Sociology, University of California, San Diego (Undergraduate Lower-Division Lecture Course)
- Fall 2019 Crime and Society, with Valerie Summers, Department of Sociology, University of California, San Diego (Undergraduate Upper-Division Lecture Course)
- Spring 2019 Criminal Punishment, with Valerie Summers, Department of Sociology, University of California, San Diego (Undergraduate Upper-Division Lecture Course)
- Winter 2019 Sociology of Law, with Dr. Kwai Ng, Department of Sociology, University of California, San Diego (Undergraduate Upper-Division Lecture Course)
- Fall 2018 Crime and Society, with Valerie Summers, Department of Sociology, University of California, San Diego (Undergraduate Upper-Division Lecture Course)
- Fall 2018 Introduction to Sociology, with Dr. John Skrentny, Department of Sociology, University of California, San Diego (Undergraduate Lower-Division Lecture Course)
- Spring 2018 The Holocaust, with Dr. Richard Biernacki, Department of Sociology, University of California, San Diego (Undergraduate Upper-Division Lecture Course)

Winter 2018	Criminal Punishment, with Valerie Summers, Department of Sociology, University of California, San Diego (Undergraduate Upper-Division Lecture Course)
Fall 2017	Introduction to Sociology, with Dr. John Skrentny, Department of Sociology, University of California, San Diego (Undergraduate Lower-Division Lecture Course)
Spring 2017	The Holocaust, with Dr. Richard Biernacki, Department of Sociology, University of California, San Diego (Undergraduate Upper-Division Lecture Course)
Winter 2017	Sociology of Law, with Dr. Kwai Ng, Department of Sociology, University of California, San Diego (Undergraduate Upper-Division Lecture Course)
Fall 2016	Contemporary Legal Issues, with Dr. Kwai Ng, Law and Society Program, University of California, San Diego (Undergraduate Upper-Division Lecture Course)

RESEARCH EXPERIENCE

Data Analyst

April 2021-August 2021	Community Health Councils <ul style="list-style-type: none"> Managed and consulted on research processes for major survey project, including research design, questionnaire, data analysis, and report generation. Developed data collection pipeline, management, and analyses to identify and visualize existing and potential organizational and community partnerships.
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Analyst

May 2019-June 2021	Pro Football Focus <ul style="list-style-type: none"> Gathered and analyzed advanced statistical data for National Football League and College Football clients. Reviewed colleagues' data collection and statistical analyses for accuracy.
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Research Lead

June 2019-May 2021	Bloss Lab, Department of Public Health, University of California, San Diego <ul style="list-style-type: none"> Served as Project Lead on major research projects. Developed survey and interview instruments. Recruited and interviewed participants.
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Graduate Student Researcher

- May-September 2018 Dr. Jacobo Myerston, Department of Literature, University of California, San Diego
- Developed qualitative coding scheme for use by research team of faculty and graduate students.
 - Conducted textual analysis of archival data using AtlasTi.
 - Wrote code/scripts for data cleaning and network analysis in R.

Graduate Student Researcher

- June-August 2018 Spitzer Lab, Department of Neurobiology, University of California, San Diego
- Conducted qualitative interviews with lab personnel.
 - Observed and participated in lab research and meetings.
 - Conducted qualitative network analysis of lab.
 - Assembled and presented a report of data/findings to Science Studies Research Collaboratory.

Graduate Research Assistant

- August 2013-May 2015 Department of Criminology and Criminal Justice, Northern Arizona University
- Maintained and organized project data for various faculty.
 - Assisted with reviewing and gathering relevant literature.
 - Assisted with IRB application materials and process.

COMPUTATIONAL SKILLS

Programming Languages: R, Python, SQL

Computational Methods: Social Network Analysis, Web Scraping/Data Mining, Machine Learning, Topic Modeling, Data Cleaning, Missing Data Imputation, Large Data Structures

SERVICE

- 2019 Undergraduate Program Committee Representative, Department of Sociology, University of California, San Diego.
- 2018-2019 Co-Chair, Quantitative Sociology Working Group, Department of Sociology, University of California, San Diego.
- 2018 Co-Facilitator, Discussion on Quantitative Methods, Department of Sociology Methods Workshop, University of California, San Diego.
- 2018 Panelist, Field Exam Workshop, Department of Sociology, University of California, San Diego.

- 2015 President, Graduate Student Association, Department of Criminology and Criminal Justice, Northern Arizona University.
- 2014 Treasurer, Graduate Student Association, Department of Criminology and Criminal Justice, Northern Arizona University.

PROFESSIONAL AFFILIATIONS

American Sociological Association (ASA)
Network Science Society (NetSci)
Surveillance Studies Network (SSN)
American Society of Criminology (ASC)
Western Society of Criminology (WSC)

REFERENCES

Kevin Lewis

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