

CURRICULUM VITAE  
**AARON CLARK-GINSBERG**

**AREAS OF EXPERTISE:** natural and human-derived hazards; emergency response; community resilience; homeland security; critical infrastructure protection; cybersecurity; vulnerable populations; systems approaches to disaster; regulations and governance; risk assessment; disaster policy; health and disasters; climate change migration

**SKILLS AND METHODOLOGIES:** interviews; focus group discussions; applied disaster research; observation; social network analysis; case studies; policy analysis; writing for peer reviewed and for policy publications; community based participatory research; toolkit development

**EDUCATION**

Ph.D., Humanitarian Action, University College Dublin	2016
M.Sc., Humanitarian Action, University College Dublin	2012
B.A., American Studies, Kenyon College	2008

**PROFESSIONAL POSITIONS**

<b>RAND Corporation</b>	2018-present
<ul style="list-style-type: none"><li>- Associate Behavioral/Social Scientist (2018-present)</li><li>- Professor of Policy Analysis, Pardee RAND Graduate School (2019-present)</li><li>- Co-leader, Mass Migration Strategy Group (2020-present)</li><li>- PI or co-PI for various disaster and homeland security-related projects, resulting in successful publications and policy impact</li></ul>	
<b>Department of Homeland Security Cybersecurity Postdoctoral Scholar,</b> Stanford University Center for International Security and Cooperation	2016-2017
<ul style="list-style-type: none"><li>- Conducted research on the influence of cybersecurity standards on the resilience of the U.S. electric grid as part of DHS S&amp;T COE funded project</li></ul>	
<b>Research Analyst,</b> Centre for Humanitarian Action, University College Dublin	2011-2015
<ul style="list-style-type: none"><li>- Managed research analysis for the World Humanitarian Summit Irish Consultative process, a project designed to establish Ireland's humanitarian policy agenda</li></ul>	
<b>Disaster Risk Reduction Documentation Officer,</b> Concern Worldwide	2012-2014
<ul style="list-style-type: none"><li>- Conducted disaster-related field research in 10 countries in Asia, Africa, and the Caribbean to produce 15 reports on disaster management</li><li>- Tested community resilience metrics and updated Concern's disaster policy</li></ul>	
<b>Wildland Firefighter,</b> various U.S. public and private sector agencies	Summers 2005,
<ul style="list-style-type: none"><li>- Engine Boss and Incident Commander Type 5</li></ul>	2008-2010

**PUBLICATIONS**

**Articles under development**

**Clark-Ginsberg A., et al.** A conceptual framework for understanding incident management systems during public health emergencies (revise and resubmit)

**Clark-Ginsberg A.**, et al. Social networking sites for emergent response to the 2020 COVID-19 Pandemic: a case study of Facebook in New Orleans (revise and resubmit)

Patel, S. and **Clark-Ginsberg A.**, et al. “Delivering the Actionable Promise of Sendai Framework for Disaster Risk Reduction in Crisis and Fragile Contexts: Implementing Disaster Resilience Programming in Syria” (submitted)

**Clark-Ginsberg A.**, et al. “How safe are we going to be?”: Perceptions of oil spill risk in resource-dependent communities (in development)

Blake and **Clark-Ginsberg A.**, “Conceptualizing climate change migration policy” (in development)

### Peer reviewed journal articles

Mondschein, J. **Clark-Ginsberg, A.**, and Kuehn, A. Smart cities as large technological systems: Overcoming organizational challenges in smart cities through collective action. *Sustainable Cities and Society* 2021

Vos, S. and **Clark-Ginsberg, A.**, et al. The Family Crisis Migration Stress Model: A framework to understand the mental health effects of crisis migration on children, adolescents, and families caused by disasters. *New Directions for Child and Adolescent Development* 2021

**Clark-Ginsberg, A.**, and Petrun-Sayers, L. Communication missteps during COVID-19 hurt those already most at risk. *Journal of Contingencies and Crisis Management* 2020

**Clark-Ginsberg, A.**, Blake, J., and Patel, K. Hybrid Governance of Disaster Management in Freetown, Monrovia, and Dar es Salaam. *Disasters* 2020

**Clark-Ginsberg A.**, et al. Maintaining critical infrastructure resilience to natural hazards during the COVID-19 pandemic: hurricane preparations by US energy companies. *Journal of Infrastructure Preservation and Resilience* 2020

**Clark-Ginsberg, A.**, et al. Practitioner approaches to measuring community resilience: the analysis of the resilience of communities to disasters toolkit. *International Journal of Disaster Risk Reduction* 2020

Patel, S., and **Clark-Ginsberg, A.** Incorporating Issues of Elderly Loneliness into the COVID-19 Public Health Response. *Disaster Medicine and Public Health Preparedness* 2020

**Clark-Ginsberg, A.**, Disaster risk reduction is not ‘everyone’s business’: evidence from three countries. *International Journal of Disaster Risk Reduction*. 43, 101375 2020

**Clark-Ginsberg, A.**, and Slayton, R. Regulating Risks within Complex Systems: Evidence from Critical Infrastructure Cybersecurity Standards. *Science and Public Policy*. 46(3), 339-346. 2018

**Clark-Ginsberg, A.**, Abolhassani, L., and Azam Rahmati, E. Comparing Networked and Linear Risk Assessments: From Theory to Evidence. *International Journal of Disaster Risk Reduction*. 30b, 216-22. 2018

Slayton, R. and **Clark-Ginsberg, A.**, Beyond Regulatory Capture: Coproducing Expertise for Critical Infrastructure. *Regulation and Governance*. 12(1), 115-130. 2018

**Clark-Ginsberg, A.**, Participatory risk network analysis: a tool for disaster reduction practitioners. *International Journal of Disaster Risk Reduction*. 21, 430-437. 2017

### Book chapters

**Clark-Ginsberg A.**, Risk Technopolitics in Freetown Slums: Why Community Based Disaster Management is no Silver Bullet. *Critical Disaster Studies*. University of Pennsylvania Press. forthcoming

**Clark-Ginsberg A.**, Blake, J., and Patel, K., Disaster risk reduction in cities: towards a new normal. *External Interventions for Disaster Risk Reduction: Impacts on Communities*. Springer International Publishing. 2020

**Clark-Ginsberg, A.**, A Complexity Approach to Reducing Disaster Risks for Marginalized Urban Populations: Comparing NGO Interventions in three cities. *External Interventions for Disaster Risk Reduction: Impacts on Communities*. Springer International Publishing. 2020

de Milliano, C., Faling, M., **Clark-Ginsberg, A.**, Crowley, D., and Gibbons, P. Resilience: The Holy Grail or Yet Another Hype? *The Humanitarian Challenge*. Springer International Publishing. 2015

### Technical reports and briefs

Payne, L., and **Clark-Ginsberg A.**, et al., How can community-based approaches to disaster management help FEMA improve equity? A literature review of past approaches and recommendations for the future. RAND Corporation. 2020

Mondschein, J., Prier, S., **Clark-Ginsberg, A.**, and Parker E., How Smart Cities Could Improve Open Data Portals to Empower Local Residents and Businesses: A Case Study of the City of Los Angeles and COVID-19. RAND Corporation. 2020

Culbertson, S., and **Clark-Ginsberg, A.**, Mass migration: how RAND is addressing one of the greatest challenges and opportunities of the century. RAND Corporation. 2020

**Clark-Ginsberg, A.**, Blake, J. S., and Patel, K. Hybrid Governance of Disaster Management in Freetown, Monrovia, and Dar es Salaam. RAND Corporation. 2020

**Clark-Ginsberg, A.**, Blake, J. S., and Patel, K. Disaster Risk reduction in Cities: Towards a New Normal. RAND Corporation. 2020

Narayanan, A., Welburn, J. W., and Miller, B., Li, S., and **Clark-Ginsberg, A.** Detering Attacks Against the Power Grid: Two Approaches for the U.S. Department of Defense. RAND Corporation. 2019

**Clark-Ginsberg, A.** and Hunt, D. We are human too! Concern Worldwide's efforts to reduce risks for the homeless migrants of Dhaka, Bangladesh. *Migrants and disaster risk reduction: Practices of Inclusion*. International Organization for Migration, Council of Europe, and Overseas Development Institute. 2017

Wilkinson, O. J., and **Clark-Ginsberg, A.** The influence of religion on disaster risk reduction and resilience: a case study of Typhoon Haiyan-affected areas in the Philippines. *The Youth Science-Policy Interface Publication-DRR Edition*. UN Major Group for Children and Youth. 2017

**Clark-Ginsberg, A.**, Slayton, R., Dormady, N., and Ellis, R. Building cyber-resilience of interconnected critical infrastructures: what is the role of public utility commissions? *The Industrial Control Systems Joint Working Group newsletter*. DHS. 2017

**Clark-Ginsberg, A.** Working in, on, or around conflict? Concern Worldwide’s conflict management in Port au Prince, Haiti. Report for Concern Worldwide. 2017

**Clark-Ginsberg, A.** Risk, Cities, and Asia: The Path Forward. *Southasiadisasters.net special issue for the 2016 Asian Ministerial Conference on Disaster Risk Reduction*. 2016

**Clark-Ginsberg, A.** What’s the difference between reliability and resilience? *The Industrial Control Systems Joint Working Group newsletter*. The Department of Homeland Security. 2016

**Clark-Ginsberg, A.** and Hunt, D. Disaster Risk Reduction for Community Resilience: A synthesis of lessons from more than a decade of Disaster Risk Reduction Programming. Concern Worldwide. 2015

**Clark-Ginsberg, A.** Concern Worldwide’s approach to disaster risk reduction in riverine, coastal, mountain, dryland, and urban contexts [Series of 5 reports for Concern] 2015

Gibbons, P., Casey, B., **Clark-Ginsberg, A.**, and McDermott, R. World Humanitarian Summit Irish Consultative Process Academic, Diaspora, NGO, Public Sector, and Synthesis Papers [Series of 5 reports for the World Humanitarian Summit] 2015

**Clark-Ginsberg, A.** Concern Worldwide’s approach to disaster risk reduction in Afghanistan, Bangladesh, Ethiopia, Haiti, Mozambique, Pakistan, Zambia, and Sierra Leone [Series of 8 reports for Concern Worldwide] 2013-2014

### Public press commentaries

Mondschein, J., **Clark-Ginsberg, A.**, and Kuehn, A. The Profound Organizational Challenge of Developing Smart Cities forthcoming

**Clark-Ginsberg, A.** and Adgie, M. K., We need more humanitarian bureaucracy, not less. *ICRC Humanitarian Law & Policy Blog* 2021

Izenberg, M. and **Clark-Ginsberg, A.** Local Communities Need a Voice in How to 'Build Back Better'. *The RAND Blog* 2021

**Clark-Ginsberg, A.** Equity is Crucial for Reducing Disaster Risk in Cities. *Know Disasters* 2020

Cecchine, G., and **Clark-Ginsberg, A.**, What’s missing from community disaster response? The whole community. *The National Interest* 2020

Balagna, J. and **Clark-Ginsberg, A.**, Another Record-Breaking Fire Season Shows the Need for a Comprehensive Strategy. *United Press International* 2020

**Clark-Ginsberg, A.** and Roberts, S. Disaster Reporting and its impacts on policy and inequities. *Poynter* 2020

Rueda, I. A. and **Clark-Ginsberg, A.**, The downside of a lean electric grid. *The Hill* 2020

Martín, C. and **Clark-Ginsberg, A.**, How COVID-19 Sheds Light on Disaster Policy’s Need to Prepare for Multiple, Sequential Emergencies. *Urban Wire* 2020

**Clark-Ginsberg, A.** and Patel, S. COVID-19: How DRR can help reduce elderly loneliness. *UN Disaster Risk Reduction Voices Blog* 2020

**Clark-Ginsberg, A.**, Cecchine, G., Fugate, C., and Bond, C. Imagine Hurricane Katrina during a pandemic. The US needs to prepare for that – now. *Vox* 2020

**Clark-Ginsberg, A.**, Hunter, S. B., and Henwood, B. Emergency Homeless Services During the COVID-19 Crisis. *The RAND blog* 2020

**Clark-Ginsberg A.**, Moving beyond the ‘multi-stakeholder’ buzzword. *Preventionweb DRR Voices Blog*, United Nations International Strategy for Disaster Reduction. 2019

**Clark-Ginsberg A.**, Urban migrants and disaster risk: Concern Worldwide’s work with the pavement dwellers of Dhaka. *UN Disaster Risk Reduction Voices Blog* 2017

**Clark-Ginsberg A.**, Nine principles for incorporating disaster risk reduction into community resilience. *UN Disaster Risk Reduction Voices Blog* 2017

**Clark-Ginsberg A.**, Aguirre B., Birkland T., Browne, K., Cutter, S.L., Oliver-Smith, A., Perrow, C., and Wisner, B. How FEMA can avoid disaster if the Trump administration changes its policies. *Stanford Freeman Spogli Institute for International Studies* 2017

**Clark-Ginsberg A.**, Aguirre B., Birkland T., Browne, K., Cutter, S.L., Oliver-Smith, A., Perrow, C., and Wisner, B. Urban challenges and opportunities for FEMA during the Trump administration 2017

**Clark-Ginsberg A.** Infrastructural interdependencies and risk: 7 takeaways from the California PUC’s 2016 Safety en Banc. *Energy Central* 2016

**Clark-Ginsberg A.** and Slayton, R. How America Could go Dark: A critique. *Energy Central* 2016

**Clark-Ginsberg A.** How to build NERC CIP Compliance: A new course by the SANS Institute. *Energy Central* 2016

**Clark-Ginsberg A.** Local level disaster risk reduction is not a panacea. *The Millennium Alliance for Humanity and the Biosphere* 2016

**Clark-Ginsberg A.** Disaster reduction: photos from around the world. *Stand: A Global Development Platform* 2015

**Clark-Ginsberg A.** Working in development: child health in Sierra Leone. *Stand: A Global Development Platform* 2014

**Clark-Ginsberg, A.** and Dobbin, T. Afghanistan’s Disaster risk reduction story. *Knowledge Matters: Concern’s Knowledge Quarterly Review*. 2013

## PRESENTATIONS

“Maintaining critical infrastructure resilience to natural hazards during the COVID-19 pandemic: hurricane preparations by US energy companies” Resilience Metrics and Modeling in Operation and Planning panel, IEEE PES General Meeting 2020

“Climate change migration and COVID-19” RAND Mass Migration Webinar Series 2020

“COVID-19 and cascading disasters” RAND Equity and Public Policy Dialogue Series 2020

“Moving beyond the ‘multi-stakeholder’ buzzword: disaster risk reduction and governance”, National Center for Disaster Preparedness Brownbag, Columbia University, New York, New York	2020
“State of Knowledge and Lessons from the Deepwater Horizon Oil Spill” workshop organizer, New Orleans, Louisiana	2019
“Civil society and root causes: moving from disaster risk reduction to preventing disaster risk creation” panel organizer, Society for Applied Anthropology, Portland, Oregon	2019
“Regulating Complex Critical Infrastructure Risks: the Electric Grid Cybersecurity Standards” ITI/CIRI Webinar Series	2019
“Seeing through the complexity: social network analysis for international aid”, International Rescue Committee brownbag, New York, New York	2018
“Risk Technopolitics in Freetown Slums, or Why Community Based Disaster Management is no Silver Bullet”, Critical Disaster Studies Conference, New York University, New York	2018
Cyber security in Russia and the U.S.: Risks for the Energy Sector and Potential for a Dialogue panel, the Fort Ross Dialogue on U.S. – Russia Relations, Veliky Novgorod, Russia	2018
Systemic Risk and Cyber Insurance Working Roundtable, EastWest Institute, Marsh & McLennan and Microsoft, Washington, D.C.	2018
“How international NGOs and national stakeholders interact to reduce disaster risk”, Dangerous Landscapes—Re-thinking Environmental Risks in Low-Income Communities”, The Volkswagen Foundation and the University of Hannover, Hannover, Germany	2017
“Assessing Electric Grid Cybersecurity Risks: Three Ideas from Disaster Sociology”, Enhanced Probabilistic Risk Assessment Workshop, Sandia National Laboratories, Livermore, California	2017
“Regulating Complex Systems: Evidence from the Electric Grid Cybersecurity Standards”, Society for the Social Studies of Science Annual Meeting, Boston, MA	2017
“Regulating Risks in Complex Industries: The NERC CIP Standards” Maintaining Innovation and Security in Biotechnology: Lessons Learned from Nuclear, Chemical, and Information Technologies Workshop, Lawrence Livermore National Laboratory, Livermore, California	2017
“What is cyber resilience?” Frontiers in Resilience: Developing Innovative Resilience Solutions at the Interface of Science, Economics, and Policy, Arlington, Virginia	2017
“Innovation or maintenance? The Creation and Evolution of Critical Infrastructure Cybersecurity Standards” the Maintainers II, Hoboken, New Jersey	2017
Young Cyber Leaders Panel, The EastWest Institute 2017 Global Cyberspace Cooperation Summit, Berkeley, California	2017
Urban Cyber-Resilience panel, The EastWest Institute Global Cyberspace Cooperation Summit, Berkeley, California	2017

“Cybersecurity While Keeping the Lights On”, World Affairs Council Peninsula Chapter, Los Altos, California	2016
“ICS Cybersecurity regulations: what can we learn from history?” Industrial Control Systems Joint Working Group Fall Meeting, Fort Lauderdale, Florida	2016
What is The Regulatory Role when Interconnected Infrastructure Risk Surrounds Regulated and Unregulated Industries Panel, California Public Utility Commission Annual Safety En Banc, San Francisco, California	2016
“Regulatory Options for Managing Systemic Risks” poster presentation, Critical Infrastructure Resilience Institute Kickoff, Champaign, Illinois	2016
“Lessons Learned from Documenting Concern’s Disaster Risk Reduction” Concern Worldwide Workshop on Disaster Risk Reduction, Dubai, United Arab Emirates	2015
“Complexity and control within international aid: the growth of Concern Worldwide’s policies and programmes from 1997-2015” Development Studies Association of Ireland Annual Conference, Dublin, Ireland	2015
Research in Action panel, Development Studies Association of Ireland Annual Conference, Dublin, Ireland	2015
“Disaster Risk Reduction in Bangladesh” Development Studies Association of Ireland special event on Disaster Management in Asia, Dublin, Ireland	2014
Event organizer and speaker, International Disaster Risk Reduction Day, University College Dublin and Concern Worldwide	2013
“How can disaster risk logic be assessed? A sociological framework for mapping based on regimes” the 2013 European Geographers Association Conference, Rome, Italy	2013

## PROJECTS AND GRANTS AS PRINCIPAL INVESTIGATOR

2020-present	<p><b>Principal Investigator. Community collective action to respond to climate change influencing the environment-health nexus.</b> Belmont Forum/ NSF/NOAA. \$330,000.</p> <ul style="list-style-type: none"> <li>– Examining how community organizations organize to address climate-related hazards, and the ways that governmental and nongovernmental stakeholders could support them</li> </ul>
2020-present	<p><b>Principal Investigator. Conceptualizing “climate migration”.</b> RAND Center for Global Risk and Security. \$146,630.</p> <ul style="list-style-type: none"> <li>– Supporting climate change migration policy development by developing a framework for understanding climate migration policy</li> </ul>
2018-present	<p><b>Co-Principal Investigator. Incident Management Systems: Measures of Performance and Effectiveness.</b> Centers for Disease Control. \$1,157,353</p> <ul style="list-style-type: none"> <li>– Developing easy to use and useful metrics that local and state health departments and emergency management agencies could use to assess and improve how they manage health-related incidents (e.g. COVID)</li> </ul>
2020-present	<p><b>Co-Principal Investigator. Capacity and Change in Climate Migrant-Receiving Communities Along the U.S. Gulf: A Three-Case Comparison.</b> National Academies Gulf Research Program. \$334,000.</p> <ul style="list-style-type: none"> <li>– Research project on the health implications of climate change migration in the Gulf.</li> </ul>

- 2019-present **Co-leader. Mass Migration Strategy Group.** RAND Social and Economic Wellbeing Unit.
- Consolidating RAND’s work and building RAND’s profile on mass migration by developing public webinars, reports, and commentaries
- 2020 **Principal Investigator. How community-based approaches to disaster management could help FEMA improve equity.** RAND Homeland Security Operational Analysis Center. \$48,000.
- Quick turnaround exploratory study that synthesized the evidence on FEMA’s current approach to equity in disaster management and examined how community-based disaster processes could enhance equity
- 2019-2020 **Principal Investigator. Governance of Disaster Risk in Sub-Saharan Africa.** RAND Pardee Initiative for Global Human Progress. \$52,000.
- Advanced understanding of how public-private-partnerships are used to respond to disasters in Africa and co-developed practical online tools for assessing community resilience with the NGO GOAL

## OTHER RAND PROJECTS

- 2020-present **Global health engagement: improving support to combatant commands.** Office of Secretary Defense.
- Leading the literature review and data analysis for the Education & Training project sub-task, designed to identify how DoD-related global health engagement related education and training can be enhanced
- 2019-present **Developing Contingency Plans for Significant Cyber Events.** U.S. Department of Homeland Security.
- Helping to develop NCF contingency plans for a significant cyber incident
- 2020 **How smart cities could improve open data portals to empower community response to COVID-19.** RAND Corporation.
- Provided subject matter expertise on community response to disasters as part of COVID-19 smart city project
- 2018-2020 **Consortium for Resilient Gulf Communities.** Gulf of Mexico Research Initiative.
- Developed workshop and synthesized 200+ papers to produce report on community resilience to oil spills
- 2018-2019 **Deterring Attacks Against the Power Grid: Two Approaches for the U.S. Department of Defense.** RAND Corporation.
- Conducted research on public private partnerships for DoD energy resilience
- 2018 **Puerto Rico Economic & Disaster Recovery Plan.** U.S. Department of Homeland Security
- Supported *Community Planning and Capacity Building* and *Housing* teams to develop the Governor of Puerto Rico’s Hurricane Maria recovery plan

## DISSERTATION COMMITTEES

Max Izenberg, Pardee RAND Graduate School  
Sara Turner, Pardee RAND Graduate School



## **AWARDS**

- Samuel H. Price Award, award for a Doctoral Dissertation on a Disaster Topic in the Social and Behavioral Sciences, International Research Committee on Disasters, International Sociological Association 2018
- Concern Worldwide. PhD scholarship. €40,000. 2012
- Franklin Miller Award, Kenyon College 2006

## **ADDITIONAL TRAINING**

- Rising Environmental Leadership Washington D.C. Policy Bootcamp, Stanford University 2017
- ICS 456, Essentials for NERC Critical Infrastructure Protection, the SANS Institute 2016
- Hostile Environment Security Training, Eurocheck Security Consultants, Ireland 2013
- Adapting Research Methodologies for Developing Country Conditions, Trinity International Development Initiative, Trinity College Dublin 2012

## **MEMBERSHIPS**

Disaster and Crisis Anthropology Network; International Research Committee on Disasters, International Sociological Association; Risk and Disasters Topical Interest Group, Society for Applied Anthropology; Global Network of Civil Society Organisations for Disaster Reduction

## **EDITORIAL DUTIES**

Editorial board member, *Journal of Infrastructure Preservation and Resilience*, 2019-present

Ad hoc referee/reviewer: *Natural Hazards; Regulation & Governance; Science, Technology & Human Values; Journal of International Humanitarian Action; Natural Hazards and Earth System Sciences; Natural Hazards Review; International Journal of Critical Infrastructure Protection; RAND Corporation; East West Institute*