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Introduction

- Co-Founder & Co-Director of *The International Network of Crisis Mappers* (www.crisismapping.net/) and the *International Conference Series on Crisis Mapping* (ICCM).
- Fellow, *Harvard Humanitarian Initiative*, Crisis Mapping & Early Warning. Dec. 2009-Present.
- Assistant Professor of International Relations, *John Carroll University*

Professional development

- *Reuters AlertNet's* named Crisis Mapping as one of the **Top 20 Big Ideas That Don't Cost the Earth**. 1/7/11.
- Co-organizer of the inaugural conference that launched the field of crisis mapping worldwide, ICCM 2009, as well as the second conference at Harvard University in October 2010.
- Attended exclusive "Blue-Sky Thinkers Workshop" at the behest of the UN Secretary General, which led to the creation of the new initiative: **Global Pulse**: www.unglobalpulse.org/
- Contribution & Lecture: "Understanding the limits: What challenges need to be overcome to fulfill the design potential for a GIVAS system?" *GIVAS Blue Sky Thinkers Workshop, United Nations Office of the Secretary General*. Rockefeller Foundation: Bellagio, Italy: 6-9 April 2010.
- Generated a new program idea, "Hunch Lab," for the United Nations' Office of the Secretary General. *United Nations Global Pulse Camp 1.0. & Random Hacks of Kindness meeting*, New York: December 4, 2010.
- Analytic Team, *Crisis Mappers Standby Taskforce*. Generated statistical analysis of real-time CrisisMap data for the UN Office for the Coordination of Humanitarian Affairs (UN-OCHA) Disaster Simulation (Earthquake in Colombia). November 15-16, 2010.
- Engaged in ongoing discussions with NATO JALLC, the Humanitarian Information Unit at the US Department of State, the United Nations, the European Commission, Camp Roberts Affiliates, and the National Geospatial Intelligence Agency as a primary point of contact between the Crisis Mappers network and formal institutions. These coordination cells seek to integrate efforts from volunteer technical communities and other NGO partners engaged in disaster response as well.

Selected Media coverage

- **Forbes.** “Names you Need to Know in 2011: Crisis Mapping.” Nov. 16, 2010. <http://blogs.forbes.com/susanadams/2010/11/16/names-you-need-to-know-in-2011-crisis-mapping/>
- **Reuters Alertnet:** “AlertNet’s top 20 big ideas that don’t cost the earth.” January 7, 2011. <http://www.trust.org/alertnet/news/alertnets-top-20-big-ideas-that-dont-cost-the-earth/>
- **Reuters Alertnet:** “Q & A: Crisis Mappers look at Haiti lessons and beyond.” October 1, 2010. http://www.alertnet.org/db/an_art/57939/2010/09/1-111136-1.htm
- **Éthiques & Sociétés, Le Magazine De Référence Des ONG:** “La cartographie de crise.” September 2010.
- **Humanitarian Information Unit, US Department of State:** “Haiti Earthquake: Breaking New Ground in the Humanitarian Information Landscape.” July 2010. <http://crisismapping.ning.com/forum/topics/haiti-earthquake-breaking-new>
- **IRIN News:** “Analysis: Finding Space for Crowd-sourcing in humanitarian response.” July 5, 2010. <http://www.irinnews.org/Report.aspx?ReportId=89735>
- **CNN:** “Citizens Monitor Gulf Coast After Oil Spill.” May 6, 2010. <http://edition.cnn.com/2010/TECH/05/06/crowdsource.gulf.oil/>
- **Boston Globe:** “Tufts map steered action amid chaos.” April 5, 2010. http://www.boston.com/news/world/latinamerica/articles/2010/04/05/tufts_project_delivered_aid_to_quake_victims/
- **WKYC Cleveland:** “JCU Professor Sends Relief to Haiti Victims using Crisis Mapping.” January 24, 2010 http://www.wkyc.com/news/local/news_article.aspx?storyid=129407&catid=3..
- **Washington Post:** “Crisis mapping brings online tool to Haitian disaster relief effort.” January 16, 2010. <http://www.washingtonpost.com/wp-dyn/content/article/2010/01/15/AR2010011502650.html>
- **National Public Radio:** “Emerging Field of Crisis Mapping Brings Order to Chaos.” *Ideas Stream, National Public Radio: WCPN 90.3:* January 21, 2010. <http://www.wcpn.org/WCPN/news/29410/>
- **UTNE Reader:** “Mapping the Crisis.” November 19, 2009. <http://www.utne.com/Science-Technology/Mapping-the-Crisis-International-5805.aspx>
- **TED Blog:** “Ushahidi aggregates, disseminates Haiti crisis info: Q & A with Patrick Meier.” January 14, 2010. http://blog.ted.com/2010/01/ushahidi_brings.php.
- **Reuters AlertNet:** “Crisis Mapping Brings X-Ray Style Clarity to humanitarian response.” October 12, 2009. http://www.alertnet.org/db/an_art/57939/2009/09/12-144735-1.htm

- **Lift:** “The First International Conference on Crisis Mapping.” *Lift Conference*: August 15, 2009. <http://liftconference.com/news/first-international-conference-crisis-mapping-iccm-2009>
- **USAID Global Development Commons:** “Crisis Mapping in Angola Helps to Predict When Combatants Will Target Civilians.” *Global Development Commons, United States Agency for International Development (USAID)*: August 12, 2009. <http://www.globaldevelopmentcommons.net/taxonomy/term/2854>
- **Selected Blog Coverage:** *Amnesty International USA, CivMil.org, Commonweal, iRevolution, Lift Conference, New Tactics in Human Rights, NiJel.org, Ushahidi.*

Fellowships and Grants:

- In support of the second annual International Conference on Crisis Mapping, (ICCM 2010):
- \$25,000 from *Humanity United*.
- \$10,000 from *United States Institute of Peace*.
- \$10,000 from the *Open Society Institute*.
- \$10,000 from *Knight Foundation*.
- \$7,500 from *Google Mapmaker Team*.
- \$5,000 from *ESRI*.
- \$5,000 from *Ushahidi*.
- \$5,000 from the *World Bank*.
- \$5,000 from the Hitachi Center, *Fletcher School/Tufts University*.
- \$3,000 from the Program on Ethics, *John Carroll University*.
- \$2,000 from the Human Security Institute, *Fletcher School/Tufts University*.
- \$1,500 from Institute of Global Leadership, *Fletcher School/Tufts University*.
- \$1,000 from Department of Political Science, *John Carroll University*.
- \$1,000 from UIT GIS Center, *Fletcher School/Tufts University*.
- In-kind support of ICCM 2010: Harvard Humanitarian Initiative, Fletcher@Tufts University, John Carroll University, & GeoTime.
- \$25,000 grant from *Open Society Institute* for an International Conference on Crisis Mapping held at JCU in October 2009 (ICCM 2009 was co-sponsored with Patrick Meier, Harvard Humanitarian Initiative).
- \$20,000 in support of ICCM 2009 from *Humanity United*.
- \$10,000 in support of ICCM 2009 from the *United States Institute of Peace Center for Conflict Analysis and Prevention*.
- \$12,000 in both direct and in-kind support of ICCM 2009 from John Carroll University, the Harvard Humanitarian Initiative, and GeoTime.

- \$3,500 *Ethics Across the Curriculum: Summer Course Development Fellowship* to develop a new course, “Rwanda in Comparative African Perspective” for Fall 2010 and associated immersion field experience to that country for a dozen students in January 2011.
- \$1,500 Kahl Award for Internationalizing the Curriculum from *John Carroll University*, covered fees associated with the immersion trip to Reynosa, Mexico January 2010.
- \$2,000 from John Carroll University in support of ICCM 2010.
- \$1,500 Kahl Award for Internationalizing the Curriculum from *John Carroll University*, covered fees associated with the immersion trip to Reynosa, Mexico January 2009.
- \$1,200 grant from JCU to attend an online course, “Advances in Spatial Regression Analysis” at *Arizona State University*, January 12-15, 2009.
- \$800 stipend for summer workshop, “GIS and Spatial Modeling for the Undergraduate Social Science Curriculum,” *Ohio State University*, June 2007.
- \$20,000 fellowship for dissertation field research in Angola from the National Security Education Program, David L. Boren, 2005-2006
- Scott Kloeck Jensen Pre-Dissertation Travel Award, *University of Wisconsin-Madison*, 2005 (declined).
- Foreign Language Area Studies (FLAS) fellowship for local summer study of Portuguese, 2005 (declined).

Data Sets and Codebooks

- Created a publicly available dataset containing 9,216 georeferenced events of violence (battles and massacres) during the Angolan Civil War from 1961-2002.
- Helped create the Armed Conflict Location Event Data Codebook (ACLED), International Peace Research Institute (PRIO): Oslo, Norway.

Publications & Working Papers

- “Crisis Mapping in a Participatory Age,” with Sophia Liu. *Routledge Handbook of Participatory Cultures*. 2011.
- “The Crisis Mappers Network: Collaboration for Effective Response”, Presented 12 October, 2010 for the Fourth *United Nations International UN-SPIDER Bonn Workshop on Disaster Management and Space Technology*. Bonn, Germany (UNOOSA-UN-SPIDER): 2010.
- “Special Report: International Conference on Crisis Mapping” *United States Institute of Peace*. With Jessica Heinzelman, D. Roz Sewell & Patrick Meier.
- “Crisis Mapping: An approach for the empirical analysis of conflict patterns”, *Harvard Humanitarian Initiative: Working Paper Series*.
- “Outcomes and Lessons Learned from Polling Voters during election

2004,” with Atkeson, Lonna et. al. *Election Science Institute*: 2005. This Vote Watch paper outlines poll results from surveys administered during the November 2004 U.S. Presidential election. We interviewed voters in Albuquerque to inquire about fairness and accessibility issues at the polls.

- “The Democratic Republic of the Congo” in *Countries and their Cultures*, Volume 4, Melvin Ember and Carol R. Ember: 2001
- Review of Stathis N. Kalyvas, 2006. *The Logic of Violence in Civil War*. New York, NY: Cambridge University Press. *Journal of Peace Research*, 44(2): March 2007.
- Review of Robert Lyons and Scott Straus. *Intimate Enemy: Images and Voices of the Rwandan Genocide*. Zone Books, New York: 2006. *Journal of Peace Research*, 43(6): November 2006.

Conference Papers & Events

- Introduced the UN’s first Chief Information Technology Officer, Assistant Secretary General Dr. Choi Soon-hong to ICCM attendees. Boston, MA, October 1, 2010.
- Presentation: “Networks and Hierarchies: Sharing in the midst of disasters.” Fourth *United Nations International UN-SPIDER Bonn Workshop on Disaster Management and Space Technology*: “The 4C-Challenge: Communication – Coordination – Cooperation – Capacity Development.” UNOOSA, Bonn, Germany 12-14 October 2010.
- “Practical and Theoretical Approaches to Post-Conflict Reconstruction,” STANDFast Genocide Intervention Network, Case Western Reserve University, Dec 4 2009.
- Roundtable Facilitator: *Manual & Automated Crisis Mapping*, International Conference on Crisis Mapping. 17 Oct 2009.
- “Loss frames and deliberate civilian targeting in the Angolan war, 1961-2002,” Presented at the *Annual Meeting of the American Political Science Association (APSA)*, Toronto: September 5, 2009
- “From Battles to Massacres: Explaining Spatial and Temporal Variation in Civilian Targeting During the Angolan Civil War, 1961-2002,” *Midwest Political Science Association Meeting (MPSA)*, Chicago, IL: April 3, 2009.
- “Genocide in Darfur,” guest lecture, Sigma Phi Epsilon, John Carroll University: Mar. 15, 2009.
- “Spatial Analysis in Conflict Research,” talk delivered at *Yale University*, April 2008.
- “The paradox of affluence,” key note speaker, Thi Beta Kappa Honors Convocation, Cuyahoga Community College: November 15, 2008.
- “From Battles to Massacres. (Version 2.0)” Prepared for the 3rd Annual Harvard-Yale-MIT Graduate Student Conference on Order, Conflict and Violence. *Yale University*, New Haven, CT. April 18-19, 2008.

- “From Battles to Massacres: An analysis of changing conflict patterns in Angola: 1961-2002,” Comparative Research Circle, *University of Wisconsin-Madison*, October 2007.
- “From source to symbol: developing methods for coding armed conflict location events using ACLED,” Prepared for delivery at the Annual conference of the *International Studies Association*, San Diego, CA: March 2006
- “How violence in civil war can sputter and then surge: understanding the logic of escalation in the Angolan war,” Prepared for the GROW conference, *Center for the Study of Civil War*, PRIO: Oslo, Norway: February 2006.
- “Predation, Production or Presents? How revenue shapes violent patterns in civil war,” Prepared for the annual meeting of the *American Political Science Association*: September 2005.
- “Patterns of Civil War Violence: Uncovering the Logic,” Prepared for the annual meeting of the *Midwest Political Science Association*: April, 2005.

Service and professional development

- Facilitated panel discussion and organized an initiative culminating in the event, “Peace in Sudan,” *John Carroll University*, December 5, 2010.
- Co-hosted second annual ICCM Conference: Harvard & Tufts University, October 2010.
- Member of Haiti-Ushahidi Urgent Response Team (monitoring and mapping incoming SMS text messages from Haitians after the earthquake): January & February 2010.
- Brought CNN award winner, Sister Rosemary Nyirumbe, from Gulu, Uganda to JCU’s campus in 2008 and October 6, 2010. She gave a talk at Dolan, entitled “Creating Safe Homes for Women in Uganda.” We also had a reception honoring her work attended by students participating in the JCU immersion experience and my course on Rwanda.
- Raised over \$1k in support of Sister Rosemary Nyirumbe’s project through donations, selling the beads made by the women to our campus community, and after collecting support from the Center for Service and Social Action, the Department of Political Science, and the Program on Peace, Justice, and Human Rights, that all contributed money for dinner or an honorarium.
- Referee: *Journal of Peace Research*, *Africa Research Bulletin*, *Routledge*.
- Division III Representative, Faculty Council, JCU: 2009-2012
- Secretary/Treasurer, JCU division of the *American Association of University Professors*: 2010.
- JCU Immersion Experience Team Leader, *Center for Service and Social Action* Kigali, Butare & Gisenyi, Rwanda: January 2011.
- JCU Immersion Experience Team Leader, *Center for Service and Social Action* Reynosa, Mexico: January 2010.
- JCU Immersion Experience Team Leader, *Center for Service and Social Action*, Reynosa, Mexico: January 2009.

Education

The University of Wisconsin-Madison

- PhD Political Science (2008).
- Fields: International Relations, Comparative Politics (Africa)
- Minor: Formal and Quantitative Methodology.
- Master of Arts, Political Science, December 2002
- Substantive expertise: conflict, civil war violence and civilian abuse, human rights, African politics
- Special Proficiencies and interests: archival analysis and event data, conflict event early warning, crisis mapping analytics, spatial econometrics.

The University of Michigan, Ann Arbor

- BA / International Relations, 1997. Honors.

Affiliations

- Angola Country Specialist, *Amnesty International* (USA), Oct. 2006-Jan. 2010.
- Visiting Scholar and Researcher, *Center for the Study of Civil War, International Peace Research Institute (PRIO)*, Oslo, Norway, Feb-Apr 2006
- *Deep Roots, Inc.* Managed the launch of this non-profit organization funding education for students throughout the developing world; served in many volunteer positions, including Chair, 1999-2005.
- Crisis Mapping & Early Warning Fellow, *Harvard Humanitarian Initiative*, Dec. 2009-Present.
- Contributed to the development of *UN Global Pulse*, a new program initiated by the *United Nations Office of the Secretary General*.
www.unglobalpulse.org/

Fields of expertise and special courses

- Crisis Mapping
- Conflict, Violence and War
- International Relations, International Security, Conflict Processes
- African Politics
- Spatial Data Visualization and Analysis
- Live Seminar, "ICT and Protection: Can Information and Communication Technology Enhance Humanitarian Action?" May 12, 2010.
- Intensive course with Luc Anselin, *Advances in Spatial Econometrics*, Arizona State University, January 2009.

- “GIS and Spatial Modeling for the Undergraduate Social Science Curriculum,” SPACE Summer Workshop, *The Ohio State University*, June 2007.
- Intensive course on Spatial Regression Models, *UNC-Chapel Hill*, Mar. 2007.
- IQRM Consortium on Qualitative Research Methods, *Arizona State*, Jan. 2006.
- ICPSR course, Spatial Data Analysis, *University of Michigan*, August 2005.
- Special software proficiencies: ArcSuite 9.2 (ArcMap, ArcToolbox, ArcView), SaTScan, GeoDA, Stata, GeoTime.
- *Institute for International Cooperation & Development*. Conducted interviews in five countries in sub-Saharan Africa; traveled over 10,000 miles in the region, co-authored, “Stories from the Traveler’s Classroom,” 1995.
- Languages: Portuguese (intermediate reading), Modern Standard Arabic (basic) and Oshikwanyama (basic).
- Archival field research & training at *Centro de Linguas*, Lisbon, 2005.

Teaching

- Assistant Professor of International Relations, *John Carroll University*, Fall 2008-Present
 - “International Security”
 - “International Conflict Processes”
 - “International Institutions, Law and Human Rights”
 - “Rwanda in Comparative African Perspective”
 - “African Politics”
 - “Introduction to International Relations”
 - “Crisis Mapping, Politics, and New Media”
- Lecturer, *University of Wisconsin-Madison*, Fall 2007
- Political Science 660, “African Politics.”
- Teaching Assistant, *University of Wisconsin-Madison*, 2001-Present:
 - Political Science 505, “Challenges of Democratization”
 - Political Science 230, “Politics in Multicultural Societies”
 - Political Science 551, “Quantitative Methodology”
 - Political Science 103, “Introduction to International Relations” (2 terms);
 - Political Science 104, “Introduction to American Politics” (2 terms); and
 - Political Science 106, “Introduction to Comparative Politics” (2 terms).
- Innovation in Teaching Award, *University of Wisconsin-Madison*, July 2007.
- Adjunct Instructor, Elementary Mathematics and Business Ethics, *Southern Ohio College*, NE 2000-2001.
- Secondary school teacher, *US Peace Corps*, Namibia, 1997-1999

Dissertation: *From battles to massacres.*

What motivates combatants in a civil war to begin killing civilians when they did not before? The dynamics of escalating violence against civilians is examined using new data on battle and massacre events from the Angolan conflict. The geo-referenced event data were coded using over 10,000 Portuguese-language articles obtained from archives in Lisbon. Evidence from maps and statistical models reveal that belligerents abuse civilians most when they are losing. I develop a dynamic theory of civil war violence that explains why drastic losses change the calculus of abuse for belligerents. In moments of intense loss on the battlefield, civilians are likely to defect to join the winning side, because they calculate that it increases their odds of survival. And combatants are no longer willing to take the risk that even long-time supporters will not defect and so escalate their tactics in a last attempt to change the civilian calculus. In addition, I find that violence is more costly for government actors than rebel armies because such abuses lead to further battlefield losses for government perpetrators. I also find that diamond areas in Angola are some of the safest places in the country, contradicting a number of existing hypotheses about the relationship between lootable resources and war. Diamond regions experience fewer instances of both conventional battles and massacres than almost any other location, controlling for population.

- Reference information available upon request.