Jen Ziemke, Ph.D.

PROFILE	[Associate Professor](), Political Science, John Carroll University, since 2008. **Consultant, [Endogeneity, LLC]().** Ideation & program development for a diverse set of hard problems in conflict & security, as reach-back support for the defense, intelligence and security community, including: DoD, ONR, DIA, NIC, & National Defense University, with additional engagements over the years with the United Nations Office of the Secretary General, UN-OCHA, UN-SPIDER, Rockefeller Foundation, Woodrow Wilson Center, Yale, Carnegie Mellon, RIT, Notre Dame, & TED. Project coverage in several outlets includes the Voice of America, Reuters, NPR, CNN, Huffington Post, Wired, The Chronicle of Higher Education, & USGIF Magazine. Extensive experience in over 40 countries. [Board of Directors](), Open Geospatial Consortium, since 2015. [Board of Trustees](), MapStory Foundation
PAST POSITIONS & AFFILIATIONS	**Co-Founder & Co-Director,** [International Network of Crisis Mappers]() **Conference Co-Organizer & Co-Founder for seven** International Conference on Crisis Mapping (ICCM) **conferences on four continents,** with total funds raised in excess of $1m**:** [ICCM 2016]() (Manila), sponsored by the Rockefeller Foundation, MAVC, Ayala & Unilab [ICCM 2014]() (New York), sponsored by Google Crisis Response. [ICCM 2013]() (Nairobi), hosted by UN-Habitat, Spatial Collective, USAID, & ESRI [ICCM 2012]() (Washington, DC*)*, at the World Bank & GWU [ICCM 2011]() (Geneva), hosted by the Swiss Confederation, the ICT4Peace Foundation, & the European Commission's Joint Research Centre. [ICCM 2010]() (Boston), hosted by Harvard, Tufts & JCU [ICCM 2009]() (Cleveland), hosted by JCU & HHI.

- **Fellow**, **Harvard Humanitarian Initiative** (HHI),
  Program on Crisis Mapping & Early Warning.

- **Angola Country Specialist**, **Amnesty International (USA),**

- **Visiting Scholar, Center for the Study of Civil War,
  International Peace Research Institute (PRIO)**, Oslo, 2006

- **Secondary school teacher**, **US Peace Corps Namibia**, 1997-
  1999

EDUCATION

Ph.D., Political Science, **University of Wisconsin-Madison**, 2008
  - Major Fields: International Relations & Comparative
    Politics
  - Minor: Quantitative & Formal Methodology
  - Thesis: From Battles to Massacres. Advisor: Scott Straus
  - Expertise: conflict, civil war violence, African politics,
    archival analysis, conflict event data and analysis.
- **M.A.,** Political Science, **University of Wisconsin-Madison**,
  2002
- **B.A.,** International Relations, **University of Michigan**, 1997

**SPECIAL
RECOGNITION**

- 2013 Recipient of the **University of Michigan's LSA
  Humanitarian Service Award**, the college's highest honor,
  presented annually by the Dean to 3 living alumni in
  recognition of their work.

- **The Rockefeller Foundation. Next Century Innovators.** April
  2013.

- "**Turn and Burn: Loss Dynamics & Civilian Targeting in the
  Angolan War**," receives the Journal of Economics & Politics'
  Young Scholar Award for publications in 2012.

- **FEMA**. Special recognition and thanks to our community from
  FEMA for **Hurricane Sandy assistance** & **FEMA Federal
  Coordinating Officer**, thanking volunteers who have been
  helping review aerial imagery: Nov 5, 2012.

- **UN Dispatch.** "**What the UN could not have done without
  the Volunteer Technical Community**." March 30, 2011.

- **Reuters Alertnet:** "**AlertNet's top 20 big ideas that don't**

cost the earth." January 7, 2011.

- **Forbes**. "**Names you Need to Know in 2011: Crisis Mapping**." Nov. 16, 2010.

TEACHING	**JOHN CARROLL UNIVERSITY**

Associate Professor of International Relations, 2008-Present
• **Brain As Battlefield** (Political Science 499)
• **Introduction to International Relations** (Political Science 103)
• **International Conflict & Security** [Honors] (397)
• **International Security** (Political Science 333)
• **Introduction to Methods** (Political Science 200)
• **International Institutions, Law, & Human Rights** (PO 334)
• **African Politics** (Political Science 332)
• **Rwanda in Comparative African Perspective** (PO 397)
• **Uganda in Comparative African Perspective** (PO 397)
• **Crisis Mapping, New Media & Politics** (Political Science 324)
• **International Conflict Processes** (Political Science 397)

UNIVERSITY OF WISCONSIN-MADISON
Lecturer, 2007-2008.
• Political Science 660: African Politics

Teaching Assistant, 2001-2008.
• Introduction to International Relations
• Introduction to American Politics
• Introduction to Comparative Politics
• Politics in Multicultural Societies
• Challenges of Democratization
• Quantitative Methodology
• **Innovation in Teaching Award**, July 2007.

EXTERNAL ADVISING

BENEDICTINE UNIVERSITY
Ph.D. dissertation committee

NORTHWESTERN UNIVERSITY
Ph.D. dissertation committee

PUBLICATIONS

- [Executive Summary](). SMA CENTCOM Reach-back Reports. Part V: Sources of Extremism. January 2017.

- [Adagio…crescendo… catastrophe….adagio](). SMA CENTCOM Reach-back Reports. Part V: Sources of Extremism. January 2017.

- [Executive Summary. Smart Phones for Propaganda](). SMA CENTCOM Reach-back Reports. January 2017.

- "Crisis Mapping for Conflict Analysis," **Newsletter of the Africa Research Initiative**. Volume 1(1): August 2014.

- "[Conflict Mapping 3.0]()," **The Magazine of the International Red Cross and Red Crescent**. 2014.

- "[Turn and Burn: Loss Dynamics & Civilian Targeting in the Angolan War]()," **Journal of Economics & Politics**. Volume 20(1). Akron, OH: December 2012. The definitive version is available at *http://www.oaeps.org/*. Article received the Journal of Economics & Politics' **Young Scholar Award** for publications in 2012.

- "[Crisis Mapping: The Construction of a New Interdisciplinary Field?]()" [Journal of Map & Geography Libraries](): Advances in Geospatial Information, Collections & Archives 8(2): 101-117: 9 May 2012.

- "[Sharing sensitive data on forced migrants]()," with Prisca Benelli & Alessandro Guarino. [Forced Migration Review](): Technology & Communication. Issue 38: Oct. 2011.

- "**From Cultures of Participation to the Rise of Crisis Mapping in a Networked World**," with Sophia Liu. In A. Delwiche & J. Henderson, eds. [The Participatory Cultures Handbook](). Routledge: London. July 2012.

- "[What Can Live Crisis Maps tell us about patterns and processes in violent conflicts and war]()?" In: The Changing Face of Warfare in the 21st Century. **International Humanitarian Law Magazine**. Australian Red Cross. April 2012.

- "Geospatial & Information Communication Technologies Applied to the Health-Security Interface: "[The Crisis Mappers]()

Revolution: Volunteered Geographic Data & the Applicability of Web 2.0 Technologies to Mass Gatherings," *World Health Organization: Interdisciplinary group on Mass Gatherings.* VIAG #18, January 2012.

● "Crowd-generated Crisis Maps Revolutionize Humanitarian Response." *Jesuit Universities Humanitarian Action Network* (JUHAN) Guest Blog Post. October 10, 2011.

● "Disaster Relief 2.0 Blog Series: Collaborating for Effective Response". *UN Dispatch*: March 28, 2011.

● Peace Brief: "Lessons from Haiti & Beyond: Report from the 2010 International Conference on Crisis Mapping" **United States Institute of Peace***.* March 7, 2011.

● Review of Stathis N. Kalyvas, The Logic of Violence in Civil War. 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): Nov. 2006

INVITED PRESENTATIONS & KEYNOTES

● Invited Participant. Disaster Preparedness Exchange (DPX). Camp Atterbury & Muscatatuck Urban Training Center, Indiana. September 13-14, 2016.

● "Big Data in Africa." Arlington, VA. April 7, 2016.

● Guest Lecturer for a course on Social Media – Legal, Policy & Ethical Issues at the Center for Technology & National Security Policy. **National Defense University**, Washington, DC. March 9, 2016.

● TED. Advanced perceptualization & sonification for understanding conflict datasets. Brooklyn, NY. Nov 14, 2015.

● Keynote: Crowd dynamics: exploring patterns in crowdsourced crisis mapping. **Swarm/Human Blended Intelligence Workshop**. Cleveland, OH. September 28, 2015.

● Keynote: State of the Map, Taiwan: 2015. Taipei, Taiwan. September 19, 2015.

- Guest Lecturer for a course on Social Media – Legal, Policy & Ethical Issues at the Center for Technology & National Security Policy. **National Defense University**, Washington, DC. April 30, 2015.

- Invited Remarks. **Influencing War: Next Steps for the Analysis of Crowdsourced Conflict Event Data**. **Threat Day**. **Combating Terrorism Technical Support Office**. Washington, DC. January 8, 2015.

- Presentation: With Dr. Lin Wells. Crisis Mapping and Open Source Geospatial Information Systems (GIS). DHS/START and **SMA Technical Lecture Series Teleconference**. December 1, 2014.

- Panel Presentation: Understanding Social Systems in Phase Zero. **8th Annual Strategic Multilayer Assessment (SMA) Conference**. Joint Base Andrews, Washington. October 29, 2014.

- Convergence: How Volumes of crowdsourced, real-time event data on conflict, analyzed and tasked via global volunteer networks, influence war's ground game, and thus shape best practices, tactics and strategies for CT & COIN. **MINERVA/SMA/DIA Africa Lecture Series**. Oct 16, 2014.

- Keynote & Panel Discussion: **Crisis Mapping: how public-public and private-private partnerships support disaster response & recovery operations**. Hosted by AFCEC: US Air Force Civil Engineer Center, **Joint Base San Antonio**-Lackland, Texas: July 23, 2014.

- **GIScience Colloquium with joint discussion on Crisis Mapping and Humanitarian Aid**. **Department of Geoinformatics, Z_GIS**. Salzburg, Austria. May 26, 2014.

- Keynote: **JCU/NYC Presidential Alumni Reception**, **United Nations**, New York: May 21, 2014.

- Keynote: **Library of Congress, Washington Map Society**: April 17, 2014.

- "Systemic Resilience: The Technological Puzzle." **8th Asia-Pacific Programme for Senior National Security Officers**. Singapore: April 2014.

- Analytic Exchange. **US Department of State, Bureau of Intelligence & Research:** January 31, 2014.

- "Strengthening technological capacities and information access for improving disaster risk reduction in the Horn of Africa." **[Wilton Park, an Agency of the British Foreign and Commonwealth Office](). ** Nairobi: January 22, 2014. Cancelled (travel delay).

- "From macro, cross-national studies of conflict to crowdsourced war data: sensemaking for conflicts as complex systems." **Africa Geostrategic Intelligence Seminar:** January 7, 2014.

- Crowdsourcing & Crisis Mapping for disaster response,"**[United Nations Technical Advisory Mision to the Government of Cabo Verde](). [UN Office of Outer Space Affairs](),** Cabo Verde: Aunew field?" **Carnegie Mellon University**: April 30, 2012.

- "**[A revolution in humanitarian response](),**"**Rochester Institute of Technology**: April 25, 2012.

- "GIS and Crisis Mapping," **[21st Annual Spatial-Digital Mapping Conference](). New York State GIS Assosciation**: April 24, 2012.

- "Advanced Visualization & Analysis of Conflict Event Data," **[Crisis Mappers Monthly Webinar Series]()**: March 28, 2012.

- "**[Global Health & Crisis Response](),**" **Notre Dame University**, Eck Institute for Global Health [**[video archive]()**], South Bend, Indiana:February 6, 2012.

- "**[Mobile Technology in Times of Crisis]().**" **Ideas@MaRS,** Toronto: June 9-10, 2011.

- "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](). Bellagio, Italy**: 6-9 April 2010.

- "Leveraging Crowdsourced Mapping, Big Data, and Social Media for Biodefense," **[American Society for Microbiology, Biodefense and Emerging Diseases Research]()**

Meeaporeting. Focus Session: "**Using Social Networks for Tracking Health and Disease**." Washington, DC. February 25, 2013.

- "Crisis Mapping's Impact on Africa & Its Implications Worldwide: A Training & Interdisciplinary Dialogue," **Academy of Management Africa Conference**, with Kerrie Carfagno. Johannesburg, South Africa: January 7-10, 2013.

- Crowdsourced Mapping for Emergency Response. **The United Nations**, **International Expert Meeting on Crowdsourced Mapping for Disaster Risk Management and Emergency Response**. Vienna International Center: December 3-5, 2012.

- "Public and Volunteer Engagement: Connecting Grassroots to Government for Disaster Management," **Woodrow Wilson International Center for Scholars**. Washington: Sept 13, 2012.

- "**Communities of Interest Leadership Meeting**." **UN-OCHA, Office for the Coordination of Humanitarian Affairs.** Geneva: Nov 13, 2011."

- "Understanding the Strengths & Mapping the Needs of the Emergency Response Community" **UN-SPIDER International Expert Meeting:** *Crowdsource Mapping for Preparedness & Emergency Response.* Vienna, Austria: 5-6 July 2011.

- "Volunteer & Technology Communities," Information and Communication Technology for Humanitarian Assistance/Disaster Relief. **Office of Naval Research & the University of Colorado**. Colorado Springs: May 25-26, 2011.

- "The Libyan Uprising" **City Club**, Cleveland: March 30, 2011.

- "**Blue-Sky Thinkers Workshop**", **UN Office of the Secretary General,** which led to the creation of the new initiative: **UN Global Pulse**. April 2010.

- "Spatial Analysis in Conflict Research," **Yale,** April 2008.

- Participant: Joint Field-based Experimentation, **JFIX RELIEF** 12-2: Research & Experimentation for Local & International Emergency 1st Responders. Paso Robles, CA: Feb 2012.

FUNDED GRANT PROPOSALS

In support of **ICCM 2016 Manila**:
Funding from, among others, the **Rockefeller Foundation, Making All Voices Count, Ayala Corporation, Unilab, & the ICT4Peace Foundation**

In support of **ICCM 2014 New York**:
Funding from **Google Crisis Response, the New School, ESRI** & the **ICT4Peace Foundation**

In support of **ICCM 2013 Nairobi**:
Funding from **UN-Habitat, Spatial Collective, USAID, ESRI, Humanity United, Google, Qatar Computing Research Institute, The ICT4Peace Foundation, USIP, iHub & Ushahidi**.

In support of **ICCM 2012 Washington**:
Funding from **The World Bank Institute**,**World Bank's GFDRR Labs**, **The George Washington University, Google, Ushahidi, ESRI, John Carroll University, GeoEye, Digital Globe** & **AT&T.**

In support of **ICCM 2011 Geneva**:
Funding from **Swiss Confederation, the ICT4Peace Foundation, the European Commission's Joint Research Centre, the World Bank, ESRI** & **John Carroll University**.

In support of **ICCM 2010 Boston**:
Funding from **Humanity United,** the **United States Institute of Peace**, **Open Society Institute, Knight Foundation**, **Google Mapmaker Team**, **ESRI**, **Ushahidi, The World Bank**, **The Fletcher School at Tufts University**, **John Carroll University, Harvard Humanitarian Initiative** & **GeoTime**.

In support of **ICCM 2009 Cleveland**:
Funding from the **Open Society Institute, Humanity United**, **United States Institute of Peace, JCU, Harvard** & **GeoTime.**

Ethics Across the Curriculum: Summer Course Development Fellowship to develop, "Rwanda in Comparative African Perspective"

Kahl Award for Internationalizing the Curriculum. Covered fees for the immersion trip to Reynosa, Mexico Jan. 2010 & Jan 2009.

CSISS Grant. "Advances in Spatial Regression Analysis" at **Arizona State University**, January 12-15, 2009. **CSISS Grant**. "GIS and Spatial Modeling for the Undergraduate Social Science Curriculum," **Ohio State University**, June 2007.

National Security Education Program, **David L. Boren**, fellowship for dissertation research 2005-2006

CONFERENCE PAPERS

- "[Using Machine Learning to Understand Dynamics of Conflict,](#)" With Lujie Chen and Artur Dubrawski. **INFORMS Annual Meeting: Panel on Data Mining.** Pheonix: October 2012

- "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: Sept 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.

- "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 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," GROW, **Center for the Study of Civil War**, PRIO: Oslo, Norway: Feb 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," Prepared for the annual meeting of the **MPSA**: April 2005.

MEDIA COVERAGE: RADIO	● **National Public Radio**. [Crisis Mapping]. Monday, Sept 17, 2012. **WKSU 89.7**
	● **National Public Radio.** [Emerging Field of Crisis Mapping Brings Order to Chaos.] Ideas Stream, National Public Radio*: WCPN 90.3:* January 21, 2011.
	● **PBS.** [Crisis Mappers: Mobile technology helps disaster victims worldwide]. May 13, 2011.
TELEVISION	● **CNN.** Continuing Coverage of the Haiti Earthquake. [Developing Story: Online Organizers] **&** [Reports Relayed to Aid Groups on the Ground]. January 2010.
	● **WKYC Cleveland Channel 3.** [JCU Professor Sends Relief to Haiti Victims using Crisis Mapping]. January 24, 2010 **&** [JCU Professor making life-saving connections in Japan]. March 12, 2011.
QUOTED IN INT'L OUTLETS	● **Trajectory Magazine.** [Defeating Disaster: Fueled by Open-Source Software & Crowdsourcing, The Crisis Mapping Community is Rapidly Expanding]. 2014 issue 3.
	● **La Repubblica**. [S.O.S.: Il mondo salvato da una mappa]. Jan 15, 2012.
	● **Voice of America News**. "[Crowdmapping Arab Spring – Next Social Media Breakthrough]?" June 28, 2011.
	● **Reuters Alertnet**. "[Q & A: Crisis Mappers look at Haiti lessons and beyond]." October 1, 2010.
	● **Éthiques & Sociétés, Le Magazine De Référence Des ONG**. [La cartographie de crise] [see pg. 14-15]. September 2010.
	● **CNN**. [Citizens Monitor Gulf Coast After Oil Spill]. May 6, 2010.
	● **The Global Post:** [Opinion: Crowdsourcing Crisis Information]. November 29, 2009.
	● **National Public Radio.** [Virtual Volunteers Use Twitter & Facebook to Make Maps of Nepal]. May 5, 2015.

**QUOTED,
NATIONAL
OUTLETS**

- **Trajectory: US Geospatial Intelligence Foundation.** July 2014.

- **The Chronicle of Higher Education**. **Academics Join Relief Efforts Around the World as Crisis Mappers**. March 27, 2011.

- **Government Computer News**. **How GIS can make you a better citizen**. June 10, 2011.

**LOCAL
COVERAGE**

- **Cleveland Business Connects**. **Peace of Find**. August 24, 2016.

- **USAID Global Development Commons**. Coverage of my doctoral research: **Crisis Mapping in Angola Helps to Predict When Combatants Will Target Civilians**. See also: **the view of the Angola data in Google Earth**. August 12, 2009.

- **FreshWater Cleveland.** **JCU Prof Founded CrisisMappers to keep people in the know across the globe**. Sept 27, 2012.

- **John Carroll Magazine**. **Crisis mapping. Academics, technology, and a global network born on campus improve humanitarian aid.**

**COVERAGE OF
THE CRISIS
MAPPERS
NETWORK**

- **Huffington Post. How Digital Humanitarians are Closing the Gaps in Worldwide Disaster Response.** January 29, 2016.

- **Huffington Post. Crisis Mapping in Nepal. Plenty of Bandwidth, Not Enough Time.** July 5, 2015.

- **GIS Lounge. How crowdsourced mapping is supporting relief efforts in Nepal**. 2015.

- **Nature**. **Crisis mappers turn to citizen scientists**. November 19, 2014.

- **CBC News**. **Typhoon Haiyan creates testing ground for crisis mappers.** December 18, 2013.

- **Thomson Reuters. Wanted: disruptive ideas to change the aid system.** December 2, 2013.

- **International Federation of the Red Cross. World Disasters Report**. 2013.

- **Gizmodo. What happens when cities fall apart?** October 5, 2013.

- **Wired. How AI, Twitter & digital volunteers are transforming humanitarian disaster response**. September 30, 2013.

- **The Hindu. Using crisis mapping to aid Uttarakhand**. June 28, 2013.

- **National Defense University**. "**Constructive Convergence: Imagery & Humanitarian Assistance**." February 2012.

- **Harvard Business Review**. "**Design your own profession**." (Anne-Marie Slaughter) December 22, 2011.

- **UNISDR.** "**Crisis Mapping & Disaster Risk Reduction**." United Nations International Strategy for Disaster Reduction, December 2011.

- **United Nations General Assembly.** "**Space-based information for crowdsourced mapping**." Report of the Secretariat. December 6, 2011.

- **The Economist. A web of support.** July 14, 2011.

- **The World Bank Blog**. "**How Scalable Web 2.0 is Changing the World of Disaster Management.**" June 1, 2011.

- **The World Bank/GFDRR Labs.** "**Volunteer Technology Communities: Open Development.**" Global Facility for Disaster Reduction and Recovery. March 31, 2011.

- **The New York Times**. "**Online Mapping Shows Potential to Transform Relief Efforts.**" March 28, 2011.

- **FastCompany.** "**Here's a Map of the Humanitarian Crisis Hotspots in Libya (Don't tell Gaddafi).**" March 9, 2011.

- **Humanitarian Information Unit, US Department of State**. "**Haiti Earthquake: Breaking New Ground in the Humanitarian Information Landscape**." July 2010.

- **Washington Post**. "[Crisis mapping brings online tool to Haitian disaster relief effort](#)." January 16, 2010.

- **Tech President.** "[As Prop, Cudgel or Sensor, Digital Maps have a future in Global Activism](#)." January 16, 2013.

- **ReliefWeb**. "[Latest Innovations in Crisis Mapping](#)." October 19, 2012.

- **Emergency Journalism Centre**. "[Identified Issues, Positive Developments: Coverage from Crisis Mappers Conference](#)." October 23, 2012.

- **The Guardian (UK)**. Links to [a video filmed at ICCM 2012](#).

- **Crisis Mappers featured on UN-OCHA's website.** "[Virtual Volunteering Opportunities](#)." World Humanitarian Day, August 19, 2011.

- **Homeland Security Blog**. "[The Promises and Challenges of Crisis Tech Response Volunteers.](#)" October 22, 2010.

- **IRIN.** "[Analysis: Finding Space for Crowd-sourcing in humanitarian response](#)." July 5, 2010.

- **UTNE Reader:** "[Mapping the Crisis](#)." November 19, 2009.

- **Reuters Alertnet**. "[Crisis mapping brings X-ray style clarity to humanitarian response](#)." October 12, 2009. (also includes coverage of my research on the Angolan war)

- **UN-OCHA.** "[EXPERIENCE: How online volunteers helped respond to the humanitarian crisis in Libya](#)." UN Volunteers, August 2011.

- **IRIN.** "[Libya: How online mapping helped crisis response](#)." May 12, 2011.

UNIVERSITY SERVICE	● Department of Political Science **Tenure & Promotion Chair** for Dr. Colin Swearingen, as of 9/7/2016
	● Representative, Core Sub-Committee on Engaging the Global Community, (EGC) Fall 2014-2016.

- Coordinator, JCU student veteran lounge (2012-Present)

- JCU Medical & Mapping Immersion to Honduras. Rural community mapping, health surveys, and patient intake data. May 27-June 5, 2015.

- Division III Representative, **Faculty Council:** 2009-2012.

- Secretary/Treasurer, JCU Division of the *American Association of University Professors*. 2010-2011.

- Information Technology Services Steering Committee: 2011-Present.

- Advisory Committee, Peace, Justice & Human Rights: 2009-Present.

- *The Situation Room*: *A Shared Space for Crisis Mappers and Veterans*.

- Immersion Experience Team Leader, Center for Service and Social Action: Kampala & Gulu, **Uganda**: May 2013.

- Arranged: **Mapping Day** a Technical Assistance Workshop during the Crisis Mapping Immersion: Kampala and Gulu, Uganda: Late May-June 2013.

- Immersion Experience Team Leader, Center for Service and Social Action: Kigali, Butare & Gisenyi, Rwanda: January 2011.

- Immersion Experience Team Leader, Reynosa, Mexico: January 2009 & 2010.

PROFESSIONAL DEVELOPMENT

- "**Introduction to Dynamical Systems and Chaos**," Santa Fe Institute. Winter 2014.

- "**Advances in Spatial Econometrics**", CSISS @ Arizona State University, January 2009.

- Intensive course on Spatial Regression Models, **UNC-Chapel Hill**, Mar. 2007.

- **IQRM Consortium on Qualitative Research Methods**,

Arizona State, Jan. 2006.

- **Spatial Data Analysis**, University Michigan, 2005.

- "**GIS and Spatial Modeling for the Undergraduate Social Science Curriculum**," SPACE Summer Workshop, Ohio State: June 2005.

- Archival field research & training: **Centro de Linguas**, Lisbon, 2005.

- Languages: Portuguese (intermediate reading), Modern Standard Arabic (basic) and Oshikwanyama (basic).

- Referee: International Studies Quarterly, Journal of Peace Research, Africa Research Bulletin, Public Library of Science/PLoS Currents: Disasters, Routledge, Journal of Economics & Politics, African Security Review.

- Created a dataset and historiography containing 9,216 georeferenced events of violence (battles and massacres) during the Angolan Civil War from 1961-2002.

- Advanced visualization of the Angolan conflict in **OpenAntZ**.