

STEPHEN COULTHART

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[Google Scholar Profile](#)

ACADEMIC APPOINTMENTS

Assistant Professor of Homeland Security, College of Emergency Preparedness, Homeland Security, and Cybersecurity, SUNY Albany, September 2020 to present.

Research Associate, College of Emergency Preparedness, Homeland Security, and Cybersecurity, SUNY Albany, July 2020 to August 2020.

Assistant Professor of Security Studies, National Security Studies Institute, University of Texas at El Paso, September 2015 to June 2020.

Senior Lecturer of Security Studies, National Security Studies Institute, University of Texas at El Paso, January 2015-August 2015.

EDUCATION

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|--------|---|
| Ph.D. | University of Pittsburgh, Public and International Affairs (fields: foreign security policy and public policy analysis), August 2015. |
| M.A. | Seton Hall University, Diplomacy and International Relations, May 2010. |
| M.P.A. | Seton Hall University, Public Administration, May 2010. |
| B.A. | State University of New York at Oswego, Political Science and Public Justice, May 2006. |

RESEARCH FIELDS

Security Studies, Intelligence Analysis, Technology and Innovation Policy, National Security Education, Border Security

PUBLICATIONS

Books and Volumes

1. **Coulthart, Stephen**, Michael Landon-Murray, and Damien Van Puyvelde, eds. *Researching National Security Intelligence: Multidisciplinary Approaches*. Washington, DC: Georgetown University Press, 2019. <https://goo.gl/24hMJQ>

Refereed Journal Articles

2. Landon-Murray, Michael, and **Stephen Coulthart**. "Intelligence Studies Programs as US Public Policy: A Survey of IC CAE Grant Recipients." *Intelligence and National Security* (2019): 1-14. <https://doi.org/10.1080/02684527.2019.1703487>
3. **Coulthart, Stephen**, "From Laboratory to the WMD Commission: How Academic Research Influences Intelligence Agencies," *Intelligence and National Security*, 34, no. 6 (2019): 818-832. <https://doi.org/10.1080/02684527.2019.1620547>

4. Kenney, Michael, **Stephen Coulthart**, and Dominick Wright. "Structure and Performance in a Violent Extremist Network: The Small World Solution." *Journal of Conflict Resolution* 61, no. 10 (2017): 2208-2234.
<https://doi.org/10.1177%2F0022002716631104>
5. Van Puyvelde, Damien, **Stephen Coulthart**, and Shahriar Hossain. "Beyond the Buzzword: Big Data in National Security Decision-making." *International Affairs* 93, no. 6 (2017): 1397-1416.
<https://doi.org/10.1093/ia/iix184>
6. **Coulthart, Stephen**. "What's the Problem?: Frameworks and Methods from Policy Analysis for Analyzing Complex Problems." *Intelligence and National Security*, 32 no. 5 (2017): 636-648.
<https://doi.org/10.1080/02684527.2017.1310983>
7. **Coulthart, Stephen**. "What Works?: An Evidence-based Assessment of 12 Core Structured Analytic Techniques." *International Journal of Intelligence and CounterIntelligence* 30, 2 (2017): 368-391:
<https://doi.org/10.1080/08850607.2016.1230706>
8. Landon-Murray, Michael and **Stephen Coulthart**. "Analytic Training and Tradecraft in U.S. Intelligence Studies Programs." *Global Security and Intelligence Studies* 2, no. 1 (2016): 2-20.
doi: <https://doi.org/10.18278/gsis.2.1.2>
9. **Coulthart, Stephen**. "Why Do Analysts Use Structured Analytic Techniques?: An In-depth Study of an American Intelligence Agency." *Intelligence and National Security* 31, no. 7 (2016): 1-15.
<https://doi.org/10.1080/02684527.2016.1140327>
10. **Coulthart, Stephen** and Matthew Crosston. "Terra incognita: Mapping American Intelligence Education Curriculum." *Journal of Strategic Security* 8, no. 3 (2015): 46-68.
<http://dx.doi.org/10.5038/1944-0472.8.3.1459>

Book Chapters

11. **Coulthart, Stephen**. "Speak of the Devil: Simulating Competitive Analysis in the Classroom," in *The Art of Intelligence: Simulations, Exercises, and Games* (Volume 2), edited by Ruben Arcos and William Laheman. Lanham, MD: Rowan and Littlefield Publishers, 2019.
12. Kenney, Michael, **Stephen Coulthart**, and Dominick Wright. "Al-Muhajiroun's Small-World Solution," in *The Islamic State in Britain: Radicalization and Resilience in an Activist Network* by Michael Kenney, 66-116. New York: Cambridge University Press, 2018.
13. Kenney, Michael, and **Stephen Coulthart**, "The Methodological Challenges of Extracting Dark Networks," in *Illuminating Dark Networks*, edited by Luke Gerdes, 52-70. New York: Cambridge University Press, 2015. goo.gl/qXfHPC

Under Review

“Where in the World is al-Baghdadi?: An Application of Open Source Geospatial Intelligence
Where in the World is Baghdadi?: A Methodology for Finding Fugitives in National Security,”
(co-authored with Reagan Turley and Meghann Maloney), (Note: collaborative project with
students).

Selected Working Papers

“Big Data for Border Security: An Exploratory Study of the United States Border Patrol,” future
journal article.

“Too Big to Succeed?: Why Large-scale Border Security Technology Projects Fail,” future
journal article.

“Geospatial Correlates of Small Clandestine Methamphetamine Labs: A Case Study of New
York State,” (with Farhod Yuldashev), future journal article.

“Across the Divide: A Team-taught Course on Big Data Analytics for Security Studies and
Computer Science Graduate Students,” (Co-authored with Shariar Hossain), future journal article

Research Reports and Policy Analysis

1. **Coulthart, Stephen**, Lorri J., Robb B. Jordan Hansen, Everett Hinkley, Catarina Kim, Daniel Paltiel, Tony Porter, Ian Schade, James Smith, Sarah Soliman, and Elizabeth R., *Emerging Technology and National Security*, Washington, DC: DHS/ODNI Analytic Exchange Program, 2018. <https://goo.gl/tZqpvn>
2. Bellon, Johanna, Kim Coley, **Stephen Coulthart**, et. al, *Addressing the Health Needs of an Aging America*, Pittsburgh: The Stern Center for Evidence-Based Policy, 2015. <https://goo.gl/jySYoM>.

Selected Opinion and Essay Pieces

1. **Coulthart, Stephen** and Robert Lee Maril, “To Improve Border Security US Needs Real and Lasting Immigration Reform.” *The Globe Post*, January 24, 2019. <https://goo.gl/eAk7FZ>
2. Van Puyvelde, Damien, **Stephen Coulthart**, and Shahriar Hossain. “National security relies more and more on big data. Here’s why.” *Washington Post-The Monkey Cage*, September 27, 2017. goo.gl/7rMEyX
3. **Coulthart, Stephen**, Damien Van Puyvelde and Michael Landon-Murray. “Can colleges teach intelligence? Three security studies professors argue they can, and should.” *Washington Post-Grade Point*, January 9, 2017. goo.gl/tAHK96
4. Van Puyvelde, Damien, and **Stephen Coulthart**, "The Intelligence Community Must Remove Barriers to Minority Recruitment." *Defense One*, January 25, 2016. goo.gl/1RN5Yj

5. **Coulthart, Stephen**, and Damien Van Puyvelde. "What Crisis? Scholarship and National Security." *War on the Rock*, November 19, 2015. goo.gl/8kmNDf
6. Valeriano, Brandon, and **Stephen Coulthart**. "Espionage in the Digital Era: Lessons from the OPM Hack." *Council on Foreign Relations-Net Politics*, July 7, 2015. goo.gl/jN1uvR

Invited Scholarly Commentary

1. Commentary cited in: Richard J. Kilroy Jr. and Katie Brooks. "Strategic Warning and Anticipating Surprise: Assessing the Education and Training of Intelligence Analysts." *Global Security and Intelligence Studies* 3, no. 1 (Spring/Summer 2018).
2. Commentary cited in Efren R. Torres-Baches and Daniela Baches. "Through the Cloak and Dagger Crystal Ball: Emerging Changes that will Drive Intelligence Analysis in the Next Decade." *Journal of Mediterranean and Balkan Intelligence* 10, no. 2 (December 2017): 161-186.

Research References in Media

1. Research Cited in "Harper's Index." *Harper's Magazine*, February, 2018. <https://harpers.org/archive/2018/02/harpers-index-402/>
2. Research profiled in: "The Perils of Borderland Security Megaprojects," *The Academic Minute*, July 31, 2019. <https://bit.ly/2ZlvdK6>

Book Reviews

1. **Coulthart, Stephen**. "Book Review: Propaganda and Intelligence in the Cold War: The NATO Information Service." *Global Security and Intelligence Studies* 1, no. 2 (2016): 8. goo.gl/u6kDLF
2. **Coulthart, Stephen**. "Using Social Media for Global Security." *Intelligence and National Security* 31, no. 5 (2016): 775-777. goo.gl/yXo2xf
3. **Coulthart, Stephen**. "Social Cohesion and Counter-Terrorism: A Policy Contradiction?" *Journal of Comparative Policy Analysis: Research and Practice* 14, no. 1 (2012). goo.gl/hj8jtT

GRANTS AND AWARDS

External Research Grants

- (2018) Texas National Security Network Excellence Fund, University of Texas System, \$41,723.
- (2016) Grant Proposal Enhancement Award, the University of Texas at El Paso, \$5,000.
- (2016) NATO Science for Peace and Security Program Workshop Grant (with Damien Van Puyvelde, Gabriella Sanchez, and Sara McGuire), \$40,000.
- (2014) Horowitz Foundation for Social Policy, Harold D. Lasswell Dissertation Award, \$9,000.

Internal Research Grants

(2020) University of Texas at El Paso, “Data Science for Students and Professionals Without a Programming Background,” Interdisciplinary Research and Education Program (IDRE) Grant, \$20,000.

(2015) University of Texas at El Paso, Library Information Literacy Course Enhancement Grant, \$3,000.

(2013/2014) University of Pittsburgh, Alex Weilenmann Dissertation Research Fund, \$1,300

(2013) University of Pittsburgh, Funding for Inter-University Consortium for Political and Social research seminar, \$1,600.

(2012) University of Pittsburgh, Funding for the Institute for Qualitative and Multi-Method Research coursework, \$1,800.

Fellowships

(2015) Truman National Security Project, Truman Security Fellowship.

INVITED LECTURES AND CONFERENCES

Invited Lectures

1. (2019) “Where in the World is al-Baghdadi? Finding a Terrorist Leader with Open Source Geospatial Intelligence,” Intelhub speaker series, American Military University, Online lecture.
2. (2018) “The Evolution of the Virtual Fence on the US-Mexico Border,” Inter-American Defense College, El Paso, TX.
3. (2018) “The Art and Science of Intelligence Analysis: A U.S. Academic Perspective,” Norwegian Defence Intelligence School, Oslo, Norway.
4. (2017) “Structured Analytic Techniques: The Art and Science of Intelligence Analysis,” Norwegian Defence Intelligence School, Oslo, Norway.
5. (2016) “Intelligence Analysis and Intelligence Human Resources Issues,” Belgian Standing Intelligence Agencies Review Committee, Brussels, Belgium.
6. (2016) “Developing Diverse Intelligence Talent: A View from the US-Mexico Borderlands,” Central Intelligence Agency, McLean, VA.
7. (2015) “Structured Analytic Techniques at 39,000 Feet,” El Paso Intelligence Center, El Paso, TX.

Select Conference Presentations

1. (2019) “Too Big to Succeed?: Why Large-scale Border Security Technology Projects Fail,” Presented at the International Security Studies Section of ISA and International Security and Arms Control Section of APSA (ISSS-ISA), Denver, CO.
2. (2019) “Intelligence and National Security Studies Programs as US Public Policy: Examining IC CAE through a Survey of Grant Recipients,” (with Michael Landon-Murray), Presented at the annual International Association for Intelligence Education conference, New York, NY.
3. (2019) “When Walls Won’t Work: Border Surveillance Systems in Four Countries,” Presented at Presented at the International Studies Association conference, Toronto, Canada.
4. (2018) “The Virtual Fence on the US-Mexico Border: A Research Agenda,” Presented at the 11th Annual Homeland Defense and Security Education Summit, Albany, NY.
5. (2018) “Across the Divide: A Team-taught Course on Big Data Analytics for Security Studies and Computer Science Graduate Students” (with Shariar Hossain), Presented at the annual International Association for Intelligence Education conference, Sydney, Australia.
6. (2018) “Problem Structuring the Border Security Ecosystem” (with Jeffrey Rojek and Victor Manjarrez), Presented at the International Public Policy Association conference, Pittsburgh, PA.
7. (2018) “Speak of the Devil: Simulating Competitive Analysis in the Classroom,” Presented at the International Studies Association conference, San Francisco, CA.
8. (2017) “Big Data in National Security Decision-making” (with Damien Van Puyvelde and Shariar Hossain), Presented at The Association for Public Policy Analysis and Management Fall Research Conference, Chicago, IL.
9. (2017) “That’s Academic: A Case Study on How Scholarship Impacts Intelligence Functions,” Presented at the Intelligence in the Knowledge Society, Bucharest, Romania.
10. (2017) “Beyond the Buzzword: Big Data in National Security Decision-making,” (with Damien Van Puyvelde and Shariar Hossain), Presented at the annual International Association for Intelligence Education conference, Charles Town, WV.
11. (2017) “Translating Academic Research for Intelligence Practice,” Presented at The Role of Social and Behavioral Sciences in Intelligence Research,” El Paso, TX.
12. (2016) “What Works?: An Evidence-based Assessment of 12 Core Structured Analytic Techniques,” Presented at the annual International Association for Intelligence Education conference, Breda, Netherlands.
13. (2016) “Intelligence Degrees in the United States,” (co-authored with Michael Landon-Murray), Presented at the International Studies Association conference, Atlanta, GA.

14. (2016) “Testing a Theory of Leadership Decapitation: The Case of al-Muhajiroun,” (co-authored with Michael Kenney), Presented at the Next Generation Terrorism Colloquium, El Paso, TX.
15. (2015) “Why do analysts use structured analytic techniques?” Presented at the Five Eyes Analytic Conference, Ottawa, Canada.
16. (2015) “Failure to Launch?: Analyzing the Emergence of Post-9/11 Intelligence Degree Programs,” (co-authored with Matthew Crosston), Presented at the annual International Studies Association conference, New Orleans.
17. (2014) “What Moneyball can teach us about Intelligence Analysis,” Presented at the annual International Association for Intelligence Education conference, Mercyhurst University.

TEACHING

Graduate Courses

“Strategic Survey of the Middle East,” “Social Media Intelligence,” “Introduction to Intelligence Analysis,” “Geospatial Intelligence”

Undergraduate Courses

“Intelligence Collection and Analysis,” “The Public Policy Process,” “Seminar in Intelligence and National Security,” “Social Media Intelligence,” “Introduction to Geostrategy,” “Science Concepts in Intelligence and Security” “American Government,” “Introduction to Political Science,” “Geospatial Intelligence”

Courses Developed

“Geospatial Intelligence” (Undergraduate/Graduate), “Social Media Intelligence” (Undergraduate/Graduate)

MEDIA APPEARANCES

(2019) Radio interview, KJZZ Phoenix (NPR affiliate), “Staying on The Intelligence Career Track When the Field Is Criticized by The President.”

(2017) Television interview, KFOX El Paso, “Expect extra security at US airports following Ft. Lauderdale shooting, UTEP professor says.”

(2016) Television interview, CBS4 El Paso, “National Security Expert Says Orlando Attack could change FBI Investigation Methods.”

(2015) Television interview, CBS4 El Paso, “National Security Professor: Looks Like Chattanooga Shooter Acted Alone.”

INSTITUTIONAL SERVICE

(2020) Member, Emergency Operations Center (EOC) for COVID-19 response, University of Texas at El Paso

(2017-2019) Faculty Senate, Representative for the National Security Studies Institute, University of Texas at El Paso.

(2016-2019) Associate Director of Teaching and Learning, National Security Studies Institute, University of Texas at El Paso.

(2015-present) Faculty Advisor, Students in Intelligence and National Security (student group).

Advising

Advisor for two M.S. theses (University of Texas at El Paso)

Numerous undergraduate and graduate independent studies and capstones (University of Texas at El Paso)

SERVICE TO THE PROFESSION

Manuscript Reviewer

Security Studies, International Journal of Intelligence, Security, and Public Affairs, Intelligence and National Security, Journal of Strategic Security, Global Security and Intelligence Studies, Journal of Homeland Security and Emergency Management, Cambridge Review of International Affairs

Consulting

Consultant, “Smartly-assembled Wiki-style Argument Marshalling (SWARM) Project,” Intelligence Advanced Research Projects Activity’s (IARPA) CREATE project, University of Melbourne, May, 2019.

Conferences and Workshops Organized

(2018/2019) Co-coordinator, “Texas Intelligence Academy,” Strauss Center & Intelligence Studies Project, UT Austin, Washington, DC.

(2019) Organizer, “New Disruptive Technologies and US National Security,” El Paso, TX.

(2017) Organizer, “The Role of Social and Behavioral Science Research in Intelligence,” El Paso, TX.

PROFESSIONAL DEVELOPMENT AND TRAINING

General Professional Experience

(2018) Department of Homeland Security Analytic Exchange Program, Arlington, VA.

(2015) International Policy Summer Institute, Bridging the Gap Project, American University, Washington, DC.

Data Analysis and Methodological Training

(2019) 360/Open Source, Digital Forensics Research Lab, London, UK..

(2017) i2 Analyst's Notebook Advanced Training, GoBlue Houston, TX.

(2017) Certified Analytics Professional Fundamental Certification, Strategic and Competitive Intelligence Professionals (SCIP), Atlanta, GA.

(2017) Open Source Intelligence Training, Reuser's Information Service, El Paso, TX.

(2016) Strategic Foresight (forecasting), Pherson Associates, Breda, Netherlands.

(2015) Social Media Intelligence Training Workshop, IHS-Janes, Washington, DC.

(2013) Categorical Data Analysis, Inter-university Consortium for Political and Social Research (ICPSR), Ann Arbor, MI.

(2012) CASOS Summer Institute training on ORA, AutoMap, and computational modeling software, Pittsburgh, PA.

(2012) Institute for Qualitative and Multi-Method Research, Syracuse University, Syracuse.

Software Packages

ArcGIS (ArcMap & ArcGIS Online functions), i2 Analyst's Notebook (and Social Network Analytics by Point Duty—SNAPD), Ora Network Analysis, UCINET, SPSS, Stata

PROFESSIONAL ASSOCIATIONS (current and former)

Member, American Political Science Association

Member, Association for Public Policy Analysis and Management

Member, International Association for Intelligence Education

Member, International Studies Association

Member, Strategic and Competitive Intelligence Professionals

Member, United States Geospatial Intelligence Foundation