

# STEPHEN COULTHART

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## ACADEMIC APPOINTMENTS

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

Senior Lecturer of Security Studies, University of Texas at El Paso, National Security Studies Institute, 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

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Intelligence Analysis, National Security Technology Policy, Border Security, Illicit Networks

## PUBLICATIONS

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### Books and Volumes

1. **Coulthart, Stephen**, Michael Landon-Murray, and Damien Van Puyvelde, eds. *Researching National Security Intelligence*. Washington, DC: Georgetown University Press (Forthcoming, fall 2019).

### Refereed Journal Articles

1. (Under Review) **Coulthart, Stephen**. "How Academic Research Influences Intelligence and National Security: An Exploratory Case Study." future journal article.
2. 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. [goo.gl/1Qh3oo](http://goo.gl/1Qh3oo)
3. 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://goo.gl/MRFi41>
4. **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. [goo.gl/VRjfUK](http://goo.gl/VRjfUK)

5. **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: [goo.gl/kWKkF3](http://goo.gl/kWKkF3)
6. 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. [goo.gl/54n1Zg](http://goo.gl/54n1Zg)
7. **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. [goo.gl/aWXng6](http://goo.gl/aWXng6)
8. **Coulthart, Stephen** and Matthew Crosston. “Terra incognita: Mapping American Intelligence Education Curriculum.” *Journal of Strategic Security* 8, no. 3 (2015): 46-68: [goo.gl/sMbZtV](http://goo.gl/sMbZtV)

#### Refereed Book Chapters

1. **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, Forthcoming.
2. 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.  
\*Reprint of journal article above
3. 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](http://goo.gl/qXfHPC)

#### Selected Working Papers

“Intelligence Studies Programs as Public Policy: A Survey of the Intelligence Community Centers for Academic Excellence Grant Recipients,” (co-authored with Michael Landon-Murray), future journal article.

“Smart Border Technologies on the US-Mexico Border: A Research Agenda,” future journal article.

“Artificial Intelligence in U.S.-Mexico Border Security: Opportunities and Challenges,” 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

“The Border Security Ecosystem: Viewing Border Security as part of a Complex System,” (with Jeffrey Rojek and Victor Manjarrez), future journal article.

“Geospatial Correlates of Small Clandestine Methamphetamine Labs: A Case Study of New York State,” (with Farhod Yuldashev), 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/tZqpvv>
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. 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](http://goo.gl/7rMEyX)
2. **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](http://goo.gl/tAHK96)
3. Van Puyvelde, Damien, and **Stephen Coulthart**, "The Intelligence Community Must Remove Barriers to Minority Recruitment." *Defense One*, January 25, 2016. [goo.gl/1RNsYj](http://goo.gl/1RNsYj)
4. **Coulthart, Stephen**, and Damien Van Puyvelde. “What Crisis? Scholarship and National Security.” *War on the Rock*, November 19, 2015. [goo.gl/8kmNDf](http://goo.gl/8kmNDf)
5. 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](http://goo.gl/jN1uvR)

#### 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](http://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](http://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](http://goo.gl/hj8jtT)

#### GRANTS AND AWARDS

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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.

(2014) Horowitz Foundation for Social Policy, Harold D. Lasswell Dissertation Award, \$9,000.

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

Other Grants

(2016) NATO Science for Peace and Security Program Workshop Grant (with Damien Van Puyvelde, Gabriella Sanchez, and Sara McGuire), \$40,000.

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

(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.

**CONFERENCES AND INVITED LECTURES**

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Select Conference Presentations (Last Five Years)

1. (2018) “The Virtual Fence on the US-Mexico Border: A Research Agenda,” Presented at the 11<sup>th</sup> Annual Homeland Defense and Security Education Summit, Albany, NY.
2. (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.
3. (2018) “Problem Structuring the Border Security Ecosystem” (with Jeffrey Rojek and Victor Manjarrez), Presented at the International Public Policy Association conference, Pittsburgh, PA.
4. (2018) “Speak of the Devil: Simulating Competitive Analysis in the Classroom,” Presented at the International Studies Association conference, San Francisco, CA.
5. (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.

6. (2017) "That's Academic: A Case Study on How Scholarship Impacts Intelligence Functions," Presented at the Intelligence in the Knowledge Society, Bucharest, Romania.
7. (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.
8. (2017) "Translating Academic Research for Intelligence Practice," Presented at The Role of Social and Behavioral Sciences in Intelligence Research," El Paso, TX.
9. (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.
10. (2016) "Intelligence Degrees in the United States," (co-authored with Michael Landon-Murray), Presented at the International Studies Association conference, Atlanta, GA.
11. (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.
12. (2015) "Why do analysts use structured analytic techniques?" Presented at the Five Eyes Analytic Conference, Ottawa, Canada.
13. (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.
14. (2014) "What Moneyball can teach us about Intelligence Analysis," Presented at the annual International Association for Intelligence Education conference, Mercyhurst University.
15. (2013) "Evidence-based Intelligence Analysis," Paper presented at ISA ISSS-ISAC Joint Annual Conference 2013, Washington D.C., Elliot School of International Affairs.
16. (2013) "Modeling Dark Networks using AutoMap: The Fuzzy Boundary Problem," (co-authored with Michael Kenney), Paper presented at workshop on "Methodological Issues in Modeling Dark Networks," United States Military Academy.
17. (2013) "From Scale-Free to Small-World: Network Structure, Collective Action, and Power in a Dark Transnational Advocacy Network," (co-authored with Michael Kenney and Michael Martin), Paper presented at workshop on "The New Power Politics: Networks, Governance and Global Security," Josef Korbel School of International Studies.

#### Invited Lectures

18. (2018) "The Evolution of the Virtual Fence on the US-Mexico Border," Inter-American Defense College, El Paso, TX.

19. (2018) “The Art and Science of Intelligence Analysis: A U.S. Academic Perspective,” Norwegian Defence Intelligence School, Oslo, Norway.
20. (2017) “Structured Analytic Techniques: The Art and Science of Intelligence Analysis,” Norwegian Defence Intelligence School, Oslo, Norway.
21. (2016) “Intelligence Analysis and Intelligence Human Resources Issues,” Belgian Standing Intelligence Agencies Review Committee, Brussels, Belgium.
22. (2016) “Developing Diverse Intelligence Talent: A View from the US-Mexico Borderlands,” Central Intelligence Agency, McLean, VA.
23. (2015) “Structured Analytic Techniques at 39,000 Feet,” El Paso Intelligence Center, El Paso, TX.

## **MEDIA APPEARANCES**

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(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.”

## **TEACHING**

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### 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” (UG/G), “Social Media Intelligence” (UG/G)

## **INSTITUTIONAL SERVICE**

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

(2016-present) 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**

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Manuscript Reviewer: *The International Journal of Intelligence, Security, and Public Affairs*, *Intelligence and National Security*, *Journal of Strategic Security*, *Global Security and Intelligence Studies*

### Conferences and Workshops Organized

(2018) Co-Coordinator, "Texas Intelligence Academy," Washington, DC.

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

### **PROFESSIONAL DEVELOPMENT AND TRAINING**

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#### 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

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

Software Packages

ArcGIS, i2 Analyst's Notebook, Ora Network Analysis, UCINET, SPSS, Stata

**PROFESSIONAL ASSOCIATIONS**

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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