Brian H. Nussbaum, Ph.D
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Education

Ph.D in Political Science, Rockefeller College of Public Affairs (SUNY Albany). 2009
- Specializations in International Relations and Comparative Politics.
- Dissertation - *"Protecting Global Cities: New York, London, and the Internationalization of Urban Counterterrorism"*

MA in Political Science, Rockefeller College of Public Affairs (SUNY Albany). 2007

BA in Political Science, Binghamton University (SUNY Binghamton). 2002
- Phi Beta Kappa Honor Society, Binghamton Chapter

Educational Employment

Assistant Professor – College of Emergency Preparedness, Homeland Security and Cybersecurity. Albany, NY. Fall 2016-Present
  - Member of faculty for Rockefeller College's Public Administration and Policy
  - Member of faculty for Rockefeller College's Masters of International Affairs (MIA)

Assistant Professor - Department of Public Administration & Policy, Rockefeller College of Public Affairs (SUNY Albany). Albany, NY. Fall 2014-2016
  - Member of faculty for Rockefeller College's Masters of International Affairs (MIA)
  - Member of faculty and steering committee for College of Emergency Preparedness, Homeland Security, and Cyber Security (CEHC)

Visiting Professor of Homeland Defense, Strategic Wargaming Division of the Center for Strategic Leadership and Development (CSLD), United States Army War College. Carlisle, PA. 2012-2013

Assistant Professor – Department of Criminal Justice, Bridgewater State University. Bridgewater, MA. 2010-2011

Additional Employment

Intelligence Analysis and Policy Positions:

Senior Intelligence Analyst, New York State Office of Counter Terrorism (OCT). Albany, NY. 2012-2014

Intelligence Analyst, New York State Office of Counter Terrorism (OCT). Albany, NY. 2007-2012

Project Assistant, New York State Office of Homeland Security (OHS). Albany, NY. 2005-2007

Other Professional Appointments

Cybersecurity Fellow – New America Foundation. Washington, DC. 2016-2017

Senior Fellow – Center for Cyber and Homeland Security (CCHS), George Washington University. Washington, DC. 2015-2017

Affiliate Scholar - Center for Internet and Society (CIS), Stanford Law School. Stanford, CA. 2014-2017

Publications – Peer Reviewed Journal Articles

Nussbaum, Brian. Communicating Cyber Intelligence to Non-Technical Customers. *International Journal of Intelligence and Counterintelligence*. 2017. *(Forthcoming)*

Nussbaum, Brian. Leveraging the "Staff Ride" for Active Learning in Public Safety Management. *Journal of Homeland Security Education*. 2016. Volume 5. 1-7.

Asal, Victor. Forest, James. Nussbaum, Brian. Why Ethnopolitical Organizations Turn to Crime. *Global Crime*. 2015. 16(4): 306-327.

Nussbaum, Brian. From Brescia to Bin Laden: The NYPD, International Policing, and "National Security." *The Journal of Applied Security Research*. 2012. 7(2): 178-202.

Nussbaum, Brian. Protecting Global Cities: The Internationalization of Municipal Policing for Counter-Terrorism. *Global Crime*. 2007. 8(3): 213-232.

Asal, Victor. Nussbaum, Brian, Harrington, D. William. Terrorism as Transnational Advocacy: An Organizational and Tactical Examination. *Studies in Conflict and Terrorism*. 2007. 30 (01): 15-39.

Publications – Book Chapters

Nussbaum, Brian. Globalizing and Localizing Counterterrorism Intelligence Sharing. Chapter 9 of Aydinli, Ersel (ed.) *The Emerging Transnational (In)Security Governance Regime*. Routledge. 2010.

Nussbaum, Brian. Including Extremists in the Political Process: "Irreconcilables," Constraints on Violence, and the Social Scientific Analysis of Terrorism. In Natasha A. Frost, Joshua D. Freilich, and Todd R. Clear (Eds.), *Contemporary Issues in Criminal Justice Policy: Policy Proposals From the American Society of Criminology Conference*. Belmont, CA: Cengage/Wadsworth. 2009.

McMahon, Edward. Nussbaum, Brian. The Paradox of Democracy. *Democratic Institution Performance: Research and Policy Perspectives*. Westport, CT: Praeger/Greenwood. 2003.

Select Professional and Other Publications

"Predicting Corporate Intelligence in the 1960s" *War on the Rocks*. January 2017. https://warontherocks.com/2017/01/predicting-corporate-intelligence-agencies-in-the-1960s/

"The Security Debt Is Coming Due: What hacks into voter registration systems say about the state of local government cybersecurity" *Slate*. October 2016. http://www.slate.com/articles/technology/future_tense/2016/10/hackers_who_breach_voter_rolls_aren_t_just_thinking_about_fixing_elections.html

"Spying on Muslims Is Bad Policy" With Victor Asal. *Times Union*. May 2016. http://www.timesunion.com/tuplus-opinion/article/Spying-on-Muslims-is-bad-policy-7940739.php

"Bringing Cyber Security into Emergency Management: An Example from New York" *PA Times*. March 2016. http://patimes.org/bringing-cyber-security-emergency-management/

"NSA Surveillance Programs Are Far From Over Despite New Limitations" *Fortune Magazine*. December 2015. http://fortune.com/2015/12/05/nsa-surveillance-programs-new-limitations/

"Paris Insights." George Washington University (GWU). Center on Cyber and Homeland Security (CCHS). November 2015. http://cyberlaw.stanford.edu/files/publication/files/CCHS_Paris%20Insights.pdf

"Preparedness Insanity: Why We Need To Think Differently About How To Measure Preparedness" *Homeland Security Today*. July 2015. www.hstoday.us/columns/best-practices/blog/preparedness-insanity-why-we-need-to-think-differently-about-how-to-measure-preparedness/0ed53127c6867c8c74140a172f9ffb7e.html

"Not 'Digital Exhaust,' Rather 'Digital Fossils'" *The Hill*. April 2014. http://thehill.com/blogs/congress-blog/technology/240040-not-digital-exhaust-rather-digital-fossils

"Crosswalking the Cyber Security 'Division of Labor'" Observation, Rockefeller Institute of Government. December 2014. http://www.rockinst.org/observations/nussbaum/2014-12-01-Cybersecurity_Division_of_Labor.aspx

"The Levels of Analysis Problem with Critical Infrastructure Protection" in *The Journal of Physical Security*. 2014. Vol 7, Issue 1. Argonne National Laboratory. http://jps.anl.gov/Volume7_iss1/Paper%206%20-%20Nussbaum.pdf

"The Ideologies of Anti-Technology Violence" in *The Combating Terrorism Exchange (CTX)*. November 2013. Vol. 3. No. 4. https://globalecco.org/the-ideologies-of-anti-technology-violence

Co-editor of *In Support of The Common Defense: A Homeland Defense and Security Journal*. June 2013. Center for Strategic Leadership, United States Army War College.   http://www.csl.army.mil/usacsl/publications/ISCDJ%20Vol%202.pdf

Book Review – New York at War: Four Centuries of Combat, Fear and Intrigue in Gotham by Steven H. Jaffe. September 2012. Michigan War Studies Review. http://www.miwsr.com/2012/downloads/2012-051.pdf

"The Forgotten Jihadist" in *The Combating Terrorism Exchange (CTX)*. Spring 2012. Vol. 2. No. 1. http://www.nps.edu/Academics/Schools/GSOIS/Departments/DA/Documents/CTX_Vol.2_No.1.pdf

"Making Intelligence Relevant in Light of the Shift to 'Resilience'" in *The Intelligencer: Journal of US Intelligence Studies*. Summer/Fall 2011. Vol. 18, No. 3.

Op-ed piece in *the Cape Cod Times* – January 3, 2011: Magazine Links State With Al Qaeda. Available online at:

http://www.capecodonline.com/apps/pbcs.dll/article?AID=/20110103/OPINION/1
01030313/-1/rss50

"Terrorism and Homeland Security Studies Provide Big Opportunities for Small
Colleges" in *The Intelligencer: Journal of US Intelligence Studies*. Fall/Winter 2010.
Vol. 18, No. 1.

Op-ed piece in *the Cape Cod Times* – September 22, 2010: Scattershot Hate Will
Undo Al Qaeda. Available online at:
http://www.capecodonline.com/apps/pbcs.dll/article?AID=/20100922/OPINION/9
220329/-1/opinion0307

Op-ed piece in *the Cape Cod Times* – July 1, 2010: Thank Our Intelligence
Community. Available online at:
http://www.capecodonline.com/apps/pbcs.dll/article?AID=/20100701/OPINION/7
010328/-1/OPINION0311

Op-ed piece in *the Cape Cod Times* - May 12, 2010: White Supremacist Crime On
Rise. Available online at:
http://www.capecodonline.com/apps/pbcs.dll/article?AID=/20100512/OPINION/5
120339/-1/rss50

Op-ed piece in *the Cape Cod Times* - January 27, 2010: How Diversity Fights
Terrorism. Available online at:
http://www.capecodonline.com/apps/pbcs.dll/article?AID=/20100127/OPINION/1
270338

Teaching

Teaching at the University at Albany

Graduate
        PAD 554 – Terrorism and Political Violence
        PAD 546 – Homeland Security Risk Management
Undergraduate
        PAD 101 – Introduction to Emergency Preparedness, Homeland Security,
        and Cyber Security
        PAD 399 – Homeland Security Risk Management
        POS 399 – The Politics of Transnational Organized Crime

Doctoral Dissertation Committees:
        Lucila Zamboni
        Andrew Vitek

Teaching at Bridgewater State University

Graduate
      Policing in Democracies

Undergraduate
      Introduction to Criminal Justice
      Intelligence and Intelligence Analysis
      Transnational Organized Crime
      Homeland Security

<u>**Honors and Awards**</u>

Military-Business Cyber Fellowship, The Madison Policy Forum. 2016-2017

Academic Fellow, The Foundation for the Defense of Democracy (FDD). 2011-2012
- Spent several weeks in Israel studying counterterrorism efforts, forces and policies with the FDD fellows program. The program included classroom lectures, field exercises with police and military units, visits to prisons and border checkpoints, and numerous interactions with Israeli security personnel ranging from enlisted soldiers to a former Ambassador to the United Nations.

Curriculum Development Grant on Risk Assessment, National Consortium for the Study of Terrorism and Responses to Terrorism (START) a Department of Homeland Security Center of Excellence. 2009

Outstanding Adjunct Faculty Award, Rockefeller College, SUNY Albany. 2008

Pre-Doctoral Research Fellow, National Consortium for the Study of Terrorism and Responses to Terrorism (START) a Department of Homeland Security Center of Excellence. 2006-2007

Pre-Doctoral Research Fellow, National Consortium for the Study of Terrorism and Responses to Terrorism (START) a Department of Homeland Security Center of Excellence. 2005-2006

<u>**Select Presentations or Conference Papers**</u>

Nussbaum, Brian. Communicating Cyber Threat Information to Non-Technical Customers: How Can Education Improve Analytic Salience and Clarity?

International Studies Association. March 17, 2016. Atlanta, Georgia.

Nussbaum, Brian. Organizing for Cyber Security in United States: Parallels and Connections with Europe. EUROSIM, Skidmore College. March 27, 2015. Saratoga Springs, New York.

Nussbaum, Brian. State and Local Government Cyber Intelligence Functions: The Sectoral Patchwork and Lessons from State and Local Counter Terrorism Intelligence. American Society of Public Administration. March 9, 2014. Chicago, Illinois.

Nussbaum, Brian. With Peter Bloniarz and Deborah Snyder. Cyber Security for Emergency Managers. Emergency Management Certification and Training, New York State. June 26, 2014. Colonie, New York.

Nussbaum, Brian. Terrorist Use of the Internet and Social Media. 15th Annual New York State Cyber Security Conference. June 6, 2012. Albany, New York.

Nussbaum, Brian. Using Simulations and Scenario Analysis To Improve Understanding of Terrorism and Other Threats. International Studies Association (ISA) Annual Meeting. March 16, 2011. Montreal, QC.

Nussbaum, Brian. Homeland Ingenuity: A Process Tracing Approach to the Diffusion of Counter Terrorism Police Tactics. International Security Studies Section of ISA and the International Security and Arms Control Section of APSA. October 16, 2010. Providence, RI.

Nussbaum, Brian. Scenario Analysis: From Geo-politics to Crime Analysis. The Massachusetts Association of Crime Analysts (MACA) Annual Conference. May 14, 2010. Hyannis, MA.

Nussbaum, Brian. Including Extremists in the Policy-making Process: a Policy Discussion. The American Society of Criminologists (ASC) Annual Conference. November 6, 2009. Philadelphia, PA.

Nussbaum, Brian. And Michael Beckman. Fusion Centers, New York State Homeland Security and Careers in Intelligence. At the John Jay College Center on Terrorism. October 23, 2009. New York, New York.

Nussbaum, Brian. Threat Assessment for Counterterrorism: Theoretical and Practical Considerations. Guest lecture in the class Tools and Practices in Terrorism Analysis, part of the University of Maryland Terrorism Studies program. September 11, 2008.

Nussbaum, Brian. First Responders vs. First Preventers: Localizing Counter-terrorism Intelligence. NATO Advanced Workshop on Intelligence Sharing. December 6-8, 2007. Ankara, Turkey.

Nussbaum, Brian. A Comparative study of London Metropolitan Police Force and New York Police Department: Innovative Tasks and Counter-terrorism Approaches. Department of Homeland Security Science and Technology Stakeholders Conference. May 21-24, 2007. Washington D.C.

Nussbaum, Brian. Global Cities, Global Threats: The New York Police Department, the London Metropolitan Police Service, and the Internationalization of Municipal Policing for Counterterrorism. Department of Homeland Security University Summit: March 15-16, 2007. Washington D.C.

Nussbaum, Brian. The Internationalization of Municipal Policing: A Comparative Study of the New York Police Department and the London Metropolitan Police. International Studies Association: Feb 28-Mar 3, 2007. Chicago, IL.

Nussbaum, Brian. Security Institutions: A Database of Security and Intelligence Agencies. Poster presentation at the National Consortium for the Study of Terrorism and Responses to Terrorism (NC-START): June 26-29, 2006. College Park, MD.

Nussbaum, Brian. Nagar, Naama. Asal, Victor. Gush Emunim and the Jewish Underground: Organizational Constraints on the Use of Terrorism. 2006 International Studies Association: March 22-25, 2006, San Diego, CA.

Select Media Appearances

Cited in "Anderson Breakfast on Cybersecurity" on WCNY. Available online at: https://www.wcny.org/feb-14-2017-anderson-breakfast-on-cybersecurity/

Cited in "Illinois Issues: Hackers Expose Cybersecurity Holes In The State" on NPR Illinois. Available online at: http://nprillinois.org/post/illinois-issues-hackers-expose-cybersecurity-holes-state#stream/0

Cited in "After 9/11: Are we safer at home from terrorism? Staying ahead of danger gets more difficult as threats are smaller, but happen more often, UAlbany expert says" in the Times Union. Available online at: http://www.timesunion.com/local/article/After-9-11-Are-we-safer-at-home-from-terrorism-9216463.php

Cited in "Security nudges bomb makers to weaker bombs" in the Journal News. Available online at: http://www.lohud.com/story/news/crime/2016/09/19/experts-homemade-bombs-weaker-but-easier-make/90712996/

Cited in "DoD Recommits to CMU Software Security Center with $732M Award" in the Pittsburgh Tribune. Available online at: http://triblive.com/news/adminpage/8819238-74/software-engineering-institute#axzz3iQJN0yqs

Cited in "Venezuela-based fraud ring stole UPMC identities to buy electronics from Amazon, federal indictment says" in the Pittsburgh Tribune. Available online at: http://triblive.com/news/allegheny/8638633-74/tax-indictment-information#axzz3eDmcrIe8

Cited in "Former Tiversa employee at center of House probe of Pittsburgh firm" in the Pittsburgh Tribune. Available online at: http://triblive.com/news/adminpage/8480124-74/tiversa-information-company#axzz3bxQV3200

Cited in "Experts: Clinton Took Dangerous Path With Email System" in the Pittsburgh Tribune. Available online at: http://triblive.com/news/editorspicks/7899025-74/clinton-email-state#axzz3TZFCWWUR

Cited in "Hilary Email Controversy Reminiscent of 1996 Episode" in the Pittsburgh Tribune. Available online at: http://triblive.com/news/editorspicks/7909933-74/classified-deutch-information#axzz3TZFCWWUR

Cited in "Silicon Valley Privacy Push Sets Up Arms Race With World's Spies" in Bloomberg Businessweek. Available online at: http://www.businessweek.com/news/2014-11-04/silicon-valley-privacy-push-sets-up-arms-race-with-world-s-spies

Policy work cited in the article "Needed: State Level, Integrated Intelligence Enterprises" in the September 2009 issue of the Central Intelligence Agencies house journal Studies in Intelligence. Available online at: https://www.cia.gov/library/center-for-the-study-of-intelligence/csi-publications/csi-studies/studies/vol.-53-no.-3/improving-homeland-security-at-the-state-level.html

Quoted regarding the New York Police Department's counterterrorism efforts in the article "Big Plans, Bigger Needs" in the September 2007 issue of Homeland Security Today. Available online at: http://www.hstoday.us/Archive/0709_Regional_Report_NYC.cfm

Trainings and Seminars

Training in Intelligence/Risk Analysis:

Cyber Analyst Course (US Secret Services' National Computer Forensics Institute – NCFI)

Social Media Investigations (Digital Media Solutions on behalf of the High Tech Crime Investigators Association – HCTIA)

Efficient Web Searching and Social Media Exploitation (NY State Police – Computer Crimes Unit)

Presenting Data and Information (Edward Tufte @ ET Modern)

Introduction to Risk Analysis for Fusion Center Analysts (Argonne National Laboratory)

DHS Analytic and Critical Thinking Skills Workshop (Pherson Associates on behalf of the Department of Homeland Security)

Open Source Tradecraft and Intelink U (Office of the Director of National Intelligence)

Advanced Analytical Tradecraft (Outward Insights on behalf of the office of the Director of National Intelligence)

Assessing Media Environments (Office of the Director of National Intelligence)

Training in Homeland Security/Terrorism:

State and Local Anti-Terrorism Training (SLATT) (Bureau of Justice Assistance)

Port Security Awareness (NYS Office of Homeland Security)

Enhanced Threat and Risk Assessment (Department of Homeland Security)

Summer Workshop on Teaching Terrorism (SWOTT) – Williamsburg, VA

Summer Institute on Teaching Non-Proliferation Institute – Middlebury, VT