

**CHRIS BRONK, Ph.D.**

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## PROFESSIONAL APPOINTMENTS

University of Houston, Houston, TX  
Associate Professor, Hobby School of Public Affairs 2022 – Present  
Associate Director, Center for Information Security Research and Education 2014 – Present  
Associate Professor, Information & Logistics Technology 2020 – 2022  
Program Director, MS-Cybersecurity 2020 – 2022  
Research Associate, Hobby School of Public Affairs 2018 – 2022  
Assistant Professor, Information & Logistics Technology 2014 – 2020

Rice University, Houston, TX  
Non-Resident Scholar, Center for Energy Studies 2022 – Present  
Lecturer, School of Social Science 2022 – 2024  
Director, Program on Energy and Cybersecurity, Center for Energy Studies 2013 – 2014  
Fellow, Baker Institute for Public Policy 2006 – 2014  
Adjunct Associate Professor, Department of Computer Science 2011 – 2014  
Lecturer, Department of Computer Science 2007 – 2011

University of Adelaide, Adelaide, SA  
Fulbright Distinguished Chair, Defence and Security Institute 2025

University of Toronto, Toronto, ONT  
Senior Fellow in Cyber Geopolitics, Canada Ctr. for Security Studies 2012 – 2014

Syracuse University, Syracuse, NY  
Senior Research Fellow, Dept. of Electrical & Computer Engineering 2010

U.S. Department of State, Washington, D.C.  
Senior Advisor, Office of eDiplomacy 2009 – 2015  
Foreign Service Officer 2002 – 2007

## EDUCATION

Syracuse University Maxwell School, Syracuse, NY  
Ph.D. in Political Science, 2006  
\* Dissertation: In Confidence: Information Technology, Secrecy and the State.  
\* Subfields: International Relations and Public Administration  
MA in Political Science, 2001

Yonsei University, Seoul, S. Korea  
Coursework in Asian Studies and Korean, 2001 – 2002

University of Wisconsin, Madison, WI  
BS in History, with distinction, 1995

Oxford University, Oxford, UK  
Coursework in International Politics and History, 1992

## HONORS

University of Houston, Houston, TX

- Fellowship, Fulbright Distinguished Chair in Cyber Information Influence at the University of Adelaide, 2025.
- Coach, Cyber 9/12 Competition, UT-Austin, 2<sup>nd</sup> Place, January 2019
- College of Technology Faculty Award, 2017

U.S. Department of State, Washington, DC

- Recipient of the Benjamin Franklin Award, 2004
- Tenured as a Foreign Service Officer of the United States, January 2006

Syracuse University, Syracuse, NY

- Syracuse All-University Doctoral Prize, 2005
- De Sardon-Glass Research Assistance-ship from the Global Affairs Institute, Maxwell School of Citizenship, Spring 2000
- Information Management & Technology Interdisciplinary Fellowship, 2001-2002

## SPONSORED RESEARCH AND PROGRAMMATIC FUNDING

Fulbright Distinguished Chair Fellowship, Australia Fulbright Foundation, *Cyber Information Influence Computational Analytic Capacity Building*, University of Adelaide, January – July 2025, A\$60,500.

NSF Standard Grant. *Conference: RRSP: Responsible Collaboration through Appropriate Research Security*. Co-PI, PI Tam Dao, Rice University, 2024. \$74,999. Organized a workshop on the protection of research data and other products from compromise.

University of Houston Teaching Innovation Proposal. *ChatGPT as a Learning Tool*. Senior staff, PI Zachary Zwald, 2023. \$18,171.

Security, Economics, and Technology for Houston Lecture Series. Programmatic gift, 2023. \$10,000.

Security and Strategic Trade Management Academy, U.S. Department of State, 2020-2023, \$1,169,770, PI. Managed and oversaw a multinational training engagement on export controls with representatives from more than a dozen foreign countries.

Cyber Policy Course Creation, U.S. Department of Homeland Security, 2020, \$20,000, Senior Staff.

NSA 2017 Cybersecurity Workforce Education – CNAP Initiatives, 2017, \$166,948, PI. Purchased and integrated equipment for training cybersecurity methods in the protection of critical infrastructure.

NSF SaTC-EDU:EAGER:A Wiki Space for Information Security Education Exchange, 2015-2017, \$286,819.00, Co-PI. Developed a wiki knowledge base on cybersecurity skills and education.

NSA 2015 CAE Cybersecurity Research Grant – BAA-003-15, 2015, \$130,807, Co-PI. For organization of a regional center aimed at developing new programs.

DOE Cyber Resilient Energy Delivery Consortium sub-award through Univ. of Illinois, \$918,400 total over 2015-2020, \$256,032 in year 1, Co-PI. Studied critical infrastructure issues created by digital vulnerabilities.

Clarkson Aerospace, Cyber-Spectrum Research and Technology Development Virtual Environment, 2015, \$144,022. 2015, PI. Created an open source virtual team of Army and Air Force ROTC cadets to teach intelligence tradecraft.

International Association of Oil and Gas Producers, 2014, \$17,500, grant for cybersecurity research in energy operations.

Clarkson Aerospace, 2013, \$25,000, programmatic gift.

Clarkson Aerospace, 2012, \$25,000, travel support gift for international cybersecurity policymaking.

Deloitte, 2012, \$40,000, for research and conference proceedings on cybersecurity and the energy industry.

Kelly Day Foundation, 2011, \$150,000, for research on the Internet and Middle East politics.

AT&T, Cybersecurity Research and Policy Analysis 2011, \$80,000.

Enriching Rice through Information Technology, 2010, \$24,985, *Connecting the Dots: Non-State Actors, Security and Information Overload*, with Ric Stoll and Devika Subramanian.

AT&T, 2008, \$40,000, *The Conference on Convergence and Connectivity*.

Microsoft, 2008, \$10,000, *The Conference on Convergence and Connectivity*.

U.S. Strategic Command (STRATCOM), 2008, \$26,000, Sponsored research in collaboration technologies and information fusion.

Methodist Hospital and Cornell University, Weill School of Medicine, 2007, \$4,000, *Electronic Health Record Adoption in the Ambulatory Clinic Setting*.

Rice University Center for Leadership, 2007, \$4,000 *Ethnographic Study of Community WiFi Internet Access*.

#### REFEREED JOURNAL PUBLICATIONS

[23] Chris Bronk. From hunches to forecasts - combining machine and human intelligence for cyber sensemaking. *The Defence Horizon Journal*. November 2024. DOI: 10.5281/zenodo.14031423.

[22] Chris Bronk. "Collaborative Pariahs: How the Ukraine War solidified an adversarial cyber-information-technology bloc." *Applied Cybersecurity and Internet Governance*, Vol. 3, No. 1, 2024, DOI: 10.60097/ACIG/190263.

[21] Chris Bronk. "New problems in hybrid warfare: cyber meets cognition." *The Defence Horizon Journal*, Spring 2024: 41-47.

[20] Chris Bronk, Dan Wallach, and Gabriel Collins. "The Ukrainian Information and Cyber War." *Cyber Defense Review*, Vol. 8, No. 3 (Fall 2023): 33-50.

[19] Chris Bronk and Nathan Jones. "Cyber Cases: The PICCA Framework for Documenting Geopolitically Relevant Cyber Action." *Journal of Strategic Security*, Vol. 16, No. 1 (2023): 72-89, DOI: 10.5038/1944-0472.16.1.2068.

[18] Peyton Sanders, Chris Bronk, Morgan D. Bazilian. "Critical energy infrastructure and the evolution of cybersecurity." *The Electricity Journal*, Vol. 35, Iss. 10 (2022): 1-7, DOI: 10.1016/j.tej.2022.107224.

[17] Chris Bronk and Wm. Arthur Conklin. "Who's in charge and how does it work? US cybersecurity of critical infrastructure." *Journal of Cyber Policy*, Vol. 7, No. 2 (2022): 155-174, DOI: 10.1080/23738871.2022.2116346.

[16] Chris Bronk and Wm. Arthur Conklin. "Enhancing a SCRM Curriculum with Cybersecurity." *International Journal of Secure Software Engineering*, Vol. 9, No. 2 (2018): 46-56, DOI: 10.4018/IJSSSP.2018040104.

[15] Chris Bronk. "Voting infrastructure and the money problem." *International Journal of Critical Infrastructure Protection*, Vol. 21, Iss. C (2018): 83-84, DOI: 10.1016/j.ijcip.2018.04.001.

[14] Chris Bronk and Gregory Anderson, "Encounter Battle: Engaging ISIS in Cyberspace." *Cyber Defense Review*, Vol. 2, No. 1 (Winter 2017): 93-108.

[13] Asal, Victor, Chris Bronk, Ken Cousins, Jacob Mauslein, Amanda Murdie, and Joe Young. "Repression, Education and Politically Motivated Denial of Service Attacks." *Journal of Global Security Studies*, Vol. 1, Iss. 3 (2016): 235-247, DOI: 10.1093/jogss/ogw006.

[12] Theodore Book and Chris Bronk. "I see you, you see me: Mobile advertisements and privacy." *First Monday: Peer Reviewed Journal on the Internet*, Vol. 21, No. 3 (2016): DOI: <http://dx.doi.org/10.5210/fm.v21i3.6154>.

[11] Chris Bronk. "Imagining the limits of complexity in computerized critical infrastructure." *International Journal of Critical Infrastructure Protection* Vol. 15 (December 2016): 34-35, DOI: 10.1016/j.ijcip.2016.08.001.

[10] Chris Bronk. "Two Securities: How Contemporary Cyber Geopolitics Impacts Critical Infrastructure Protection." *International Journal of Critical Infrastructure Protection*, Vol. 8 (January 2015): 24-26, DOI: 10.1016/j.ijcip.2014.12.001.

[9] Chris Bronk. "Corporate Risk, Intelligence and Governance in the Time of Cyber Threat." *Risk Governance & Control: Financial Markets & Institutions*, Vol. 4, No. 1 (2014): 16-22, DOI: 10.22495/rgcv4i1art2.

- [8] Ijeoma Onyeyi, Morgan Bazilian and Chris Bronk. "Cyber Security and the Critical Energy Infrastructure." *The Electricity Journal*, Vol. 27, No. 2 (2014): 52-60, DOI: 10.1016/j.tej.2014.01.011.
- [7] Chris Bronk and Eneken Tikk. "The Cyber Attack on Saudi Aramco." *Survival: Global Politics and Strategy*, Vol. 55, No. 2 (2013): 81-96, DOI: 10.1080/00396338.2013.784468.
- [6] Chris Bronk, Cody Monk and John Villasenor. "The Dark Side of Cyber Finance." *Survival: Global Politics and Strategy*, Vol. 54, No. 2 (2012): 129-142, DOI: 10.1080/00396338.2012.672794.
- [5] Chris Bronk. "Blown to Bits: China's War in Cyberspace, August – September 2020." *Strategic Studies Quarterly*, Vol. 5, No. 1 (Spring 2011): 1-20.
- [4] Chris Bronk and Bernardo Gonzalez-Arechiga. "Border Security: From a Bilateral to Truly Bi-national Policy Process." *Latin America Policy*, Vol. 2, No. 2 (2011): 152-181, DOI: 10.1111/j.2041-7373.2011.00038.x.
- [3] Chris Bronk. "Treasure Trove or Trouble: Cyber-Enabled Intelligence and International Politics." *American Intelligence Journal*, Vol. 28, No. 2 (2010): 26-30.
- [2] Chris Bronk. "Webtapping: Securing the Internet to Save Us from Transnational Terror?" *First Monday: Peer Reviewed Journal on the Internet*, Vol. 13, No. 11 (November 2008): DOI: 10.5210/fm.v13i11.2192.
- [1] Chris Bronk. "Hacking the Nation State: Security, Information Technology and Policies of Assurance." *Journal of Information Systems Security*, Vol. 17 No. 3 (2008): 132-142, DOI: 10.1080/19393550802178565.

#### CONFERENCE PAPERS (REFEREED)

- [23] Chris Bronk. "An ontology for human-machine analytic teaming for geopolitical activity." *ISSS-IS 2024*. University of Pittsburgh, Pittsburgh, PA. October 2024.
- [22] Chris Bronk. Which way to Grover's Mills? Unidentified phenomena and international insecurity. *ISA 2024 Annual Convention*, San Francisco. April 2024.
- [21] Chris Bronk. Where does cyber meet cognition: New problems in information warfare. *IS-ISSS Conference (ISA)*. Colorado Springs. October 2023.
- [20] Chris Bronk. Things get cybernetic: how artificial intelligence will impact cybersecurity. *CIPi Workshop*. US Naval War College. June 2023.
- [19] Chris Bronk, Elizabeth Kasongo, and Matt Bernhard. Tales from the Trenches: Case Studies in Election Cybersecurity Preparedness in Texas. *E-Vote-ID 2021*. Vienna, Austria, October 2021.
- [18] Chris Bronk, Amaury Lendasse, Peggy Lindner, Dan Wallach, and Barbara Hammer. Machine Learning for Measuring and Analyzing Online Social Communications. *European Symposium on Artificial Neural Networks, Computational Intelligence and Machine Learning (ESANN)*. Bruges, Belgium. September 2021.

- [17] Chris Bronk and Wm. Arthur Conklin. "Who's in Charge and When? Civil-Military Options in Protecting Critical Infrastructure from Cyberattack." *62<sup>rd</sup> Conference of the International Studies Association*. (Online) March 2021.
- [16] Chris Bronk and Paula deWitte, "International Conflict and Maritime Cybersecurity: Meeting Threats to Globalization's Great Conveyor," *Hawaii International Conference on Systems Sciences*, January 2020.
- [15] Chris Bronk. "Getting Creative on What Will Do: Cyber Espionage, Conflict and Covert Action." *Workshop on Strategic Use of Offensive Operations in Cyberspace*, Stanford University, March 2016.
- [14] J. C. Dressler, C. Bronk, and D. S. Wallach. Exploiting military opsec through open-source vulnerabilities. In *2015 IEEE Military Communications Conference (MILCOM '15)*, Tampa, FL, Oct. 2015.
- [13] Rima. S. Tanash, Z. Chen, T. Thakur, C. Bronk, D. Subramanian, D. S. Wallach, "Known unknowns: An analysis of Twitter censorship in Turkey," *Workshop on Privacy in the Electronic Society*, Denver, CO, Oct. 2015.
- [12] Chris Bronk, "A Prime Directive: Placing Agendas for Cyberspace in Perspective," paper presented at the *54<sup>th</sup> Conference of the International Studies Association*, San Francisco, April 2013.
- [11] Chris Bronk, "From Tunis to Tunis: Considering the Planks of US International Cyber Policy 2005-2011," paper presented at the *53<sup>rd</sup> Conference of the International Studies Association*, San Diego, April 2012.
- [10] Chris Bronk, "A Governance Switchboard: Scalability Issues in International Cyber Policymaking," *Cyber Dialogue 2012: What is Stewardship in Cyberspace?* University of Toronto, March 2012.
- [9] Stoll, Ric, Christopher Bronk, and Devika Subramanian. Charting the Rise of Lashkar-e-Taiba: the Road to Mumbai. *New Approaches to Anticipating Conflict: An Academic and Intelligence Community Forum Sponsored by the Great Plains National Security Education Consortium Lincoln*, Nebraska, April 7-8, 2011.
- [8] Chris Bronk, "Between War and Peace: Considering the Statecraft of Cyberspace from the Perspective of the U.S. State Department," paper presented at the *52<sup>nd</sup> Conference of the International Studies Association*, Montreal, March 2011.
- [7] Chris Bronk and Tiffany Smith, "Diplopedia Imagined: Building State's Diplomacy Wiki," *2010 International Symposium on Collaborative Technologies and Systems*, Chicago, IL, May 2010.
- [6] Chris Bronk, "Fusing Information to Distill Actionable Intelligence: A Case Study of the DOD's Interagency Collaboration Limited Objective Experiment," paper presented at the *51st Convention of the International Studies Association*, New Orleans, LA, February 2010.
- [5] Chris Bronk, Devika Subramanian, Derek Ruths, John Miller and Nicholas Muscara, "Relational Linkages of Associational Networks Embedded in Terrorist Events," *Networks in Political Science (POLNET)*, Kennedy School of Government, Harvard University, June 2008.

[4] Chris Bronk, "The Electronic Passport or What Computers Can't Do," *Managing Borders in a New Security Environment*, a conference of the Migration Policy Institute, Laredo, TX, August 11, 2007.

[3] Chris Bronk, "May a Thousand Wikis Bloom: the Politics of Ubiquitous Web Publishing in the U.S. Federal Bureaucracy," presented to the *American Political Science Association*, Chicago, IL, September 1, 2007.

[2] Chris Bronk, "Planning, Legislating, and Implementing the Information Revolution in South Korea," presented to the *American Political Science Association*, Chicago, IL, September 2004.

[1] Chris Bronk, "Western Military Intervention in the Peacemaking Process," presented at *The Interdisciplinary Forum on Military Studies*, Ohio State University, November 2000.

## BOOK

Chris Bronk, *Cyber Threat: The Rise of Information Geopolitics in U.S. National Security*, Praeger 2016, ISBN: 9781440834981.

## BOOK CHAPTERS

[9] Chris Bronk and Paula deWitte, "Maritime Cybersecurity," in *Computational Methods in Applied Sciences: Cybersecurity*, Martti Lehto and Pekka Neittaanmaki, eds. Springer, 2022.

[8] Bronk, Chris. Operation of Transport and Logistics in a Time of (Cyber) Insecurity. *Computation and Big Data for Transport*. Springer, 2020.

[7] Chris Bronk, "Cyber Propaganda," in Garth Jowett & Victoria O'Donnell, *Propaganda and Persuasion*, Seventh Edition, SAGE, 2018.

[6] Chris Bronk, "Cybersecurity," in *The Handbook for Defence Studies*, John Deni and David Galbraith, eds., Routledge 2018.

[5] Chris Bronk, Blown to Bits: China's War in Cyberspace, August-September 2025, *Understanding Cybersecurity: Emerging Governance and Strategy*, Gary Schaub, Jr., Ed., Roman & Littlefield 2018. (Note: republication of 2011 Security Studies Quarterly paper.)

[4] Chris Bronk, "Hacks on Gas: Energy, Cybersecurity, and Defense," in John Deni, ed., *New Realities: Energy Security in the 2010s and Implications for the U.S. Military*, Army War College Security Studies Institute, 2015.

[3] Chris Bronk and Derek Ruths, "Classification Inference & Event Attribution," in *Policy Informatics*, Kevin DeSouza and Erik Johnson, eds., Routledge 2014.

[2] Chris Bronk, "Between War and Peace: Considering the Statecraft of Cyberspace," in *The Secure Information Society*, Sandro Gaycken ed., Springer 2013.

[1] Chris Bronk, "Cyber: Building Organizational Response Policy for Information Security Incident," in *Cyber Security: Public Sector Threats and Responses*, Kim Andreasson, ed., Taylor & Francis 2011.

## ENCYCLOPEDIA

Bronk, C. 2013. Cyberconflict. *Wiley-Blackwell Encyclopedia of Globalization*.

## REVIEWS

[7] Chris Bronk. Girt by Sea: Re-Imagining Australia's Security (Review). *Journal of Strategic Security*. Winter 2024.

[6] Chris Bronk. Deter, Disrupt, or Deceive: Assessing Cyber Conflict as an Intelligence Contest (Review), *Journal of Strategic Security*. Spring 2023.

[5] Chris Bronk. Trafficking Data: How China is Winning the Battle for Digital Sovereignty (Review), *Journal of Strategic Security*. Summer 2023.

[4] Chris Bronk. SWJ Book Review – *Energy's Digital Future: Harnessing Innovation for American Resilience and National Security*. September 2021.

[3] Chris Bronk, Russian Cyber Operations: Coding the Boundaries of Conflict (Review), *Journal of Strategic Security*. Spring 2021.

[2] Chris Bronk, Cyberwar and Cybersecurity; What Everyone Needs to Know (Review), *Strategic Studies Quarterly*. Summer 2014.

[1] Chris Bronk, Conquest in Cyberspace (Review), *Journal of Information Technology and Policy*. Spring 2008.

## POLICY AND WHITE PAPERS

[17] Chris Bronk. "Security Concerns Surround AI Vision for US Government." Baker Institute for Public Policy, March 2025.

[16] Tam Dao, Kenneth Evans, Michael D. Shannon, Chris Bronk, Claudia Neuhauser and Evan Roberts. "Responsible Collaboration Through Appropriate Research Security: A Workshop To Discuss and Study the Emergent Discipline of Research on Research Security." Baker Institute for Public Policy. September 2024.

[15] Chris Bronk. "AI and Energy: Advanced Tools for Knowledge Discovery." In *Energy Insights 2024*. Ed. Kenneth Medlock. Center for Energy Studies – Baker Institute for Public Policy. August 2024.

[14] Chris Bronk, Gabriel Collins, and Dan Wallach. "Cyber and Information Warfare in Ukraine: What Do We Know Seven Months In?" Baker Institute for Public Policy, September 2022.

[13] Hector Ocampo and Chris Bronk, "'Holy Moly' Municipal Organizations and the Cyber Ransomware Problem (White Paper No. 16)," Hobby School of Public Affairs, September 2021.

[12] Chris Bronk, "What 5G Means for Energy," Council on Foreign Relations, May 2019.

[11] Chris Bronk, "Risk Intelligence Governance in the Age of Cyberthreats," Baker Institute for Public Policy, April 2013.

[10] Chris Bronk and Adam Pridgen, "Cybersecurity Issues and Policy Options for the U.S. Energy Industry," Baker Institute for Public Policy, September 2012.

[9] Chris Bronk and Scott Smith, "How Data Visualization Can Change Diplomacy," *Foreign Service Journal*, March 2012.

[8] Chris Bronk, Tory Gattis, Vivas Kumar, and Robyn Moscovitz, "Considering a New Information Infrastructure for the City of Houston," Baker Institute for Public Policy, October 2011.

[7] John Villasenor, Chris Bronk and Cody Monk, "Shadowy Figures: Tracking Illicit Financial Transactions in the Murky World of Digital Currencies, Peer-to-Peer Networks, and Mobile Device Payments," published jointly between the Baker Institute for Public Policy and Brookings Institution, August 2011.

[6] Tao Zhu, Chris Bronk, and Dan Wallach, "An Analysis of Chinese Search Engine Filtering," arXiv, 2011.

[5] Chris Bronk and Tony Payan, "Managing the U.S – Mexico Border: Human Security and Technology," Baker Institute for Public Policy, April 2009.

[4] Chris Bronk, "Wiretapping, Surveillance and the Internet," Baker Institute for Public Policy, January 2008.

[3] Chris Bronk and Kirsten Jones, "Municipal Connectivity Provision: Societal Imperative or Fiscal Folly," Baker Institute for Public Policy, June 2008.

[2] Chris Bronk, "Innovation by Policy: A Study of the Electronic Passport," Baker Institute for Public Policy, May 2007.

[1] Chris Bronk, "Law, Trust and the Wired World: Privacy, Profiling and E-Commerce," *Maxwell Review*, Spring 2001.

## OPINION

[37] Chris Bronk. "Hacks On Gas, Eh. Canada's Natural Gas Distribution Network Is the Latest Target for Russian Hackers." *Forbes*. April 13, 2023.

[36] Gabriel Collins and Chris Bronk. "The M1 Abrams Is the Right Tank for the Job in Ukraine." *Foreign Policy*. January 24, 2023.

[35] Chris Bronk and Gabriel Collins. "Ukraine Needs a Whole Lot of Deadly Drones." *Foreign Policy*. April 13, 2022.

[34] Chris Bronk and Gabriel Collins. "Bear, Meet Porcupine: Unconventional Deterrence for Ukraine." *Defense One*. December 24, 2021.

- [33] Chris Bronk. "Don't Blame The Nerds: Explaining The Colonial Pipeline Hack And What To Do Next." *Forbes*. May 12, 2021.
- [32] Chris Bronk. "The Cyber Consequences Of Killing Qassim Suleimani." *Forbes*. January 3, 2020.
- [31] Chris Bronk. "Energy And Cybersecurity: What A Difference A Decade Makes..." *Forbes*. April 19, 2019.
- [30] Chris Bronk. "Facebook should get out of politics for 2018." *Houston Chronicle*. March 24, 2018.
- [29] Chris Bronk and Wm. Arthur Conklin. "Equifax breach a nightmare that should serve as wake-up call for feds." *The Hill*. September 12, 2017.
- [28] Chris Bronk. "FEMA in dire need of technology upgrade to deal with Harvey and future disasters." *The Hill*. September 5, 2017.
- [27] Chris Bronk. "The West must cooperate if it is going to defeat Russia in cyberspace." *The Hill*. July 11, 2017.
- [26] Chris Bronk. "Could China or Russia hack America's nuclear arsenal?" *The Hill*. April 20, 2017.
- [25] Chris Bronk. "America must improve defense against Russia's information warfare." *The Hill*. March 23, 2017.
- [24] Chris Bronk. "U.S. must up its game in 'information wars.'" *Houston Chronicle*. December 17, 2016.
- [23] Chris Bronk. "Hacking democracy. Russia and the DNC email controversy." *Houston Chronicle*. August 2, 2016.
- [22] Chris Bronk and Wm. Arthur Conklin. "Texas can take action to fight cybercrime." *Houston Chronicle*. October 29, 2014.
- [21] Chris Bronk. "Target's Data Breach Should Be A Wake Up Call For Energy Companies: No More Excuses On Cyber Threats." *Forbes*. May 16, 2014.
- [20] Chris Bronk. "Needed: A Debate on The Security of the Power Grid, Not on Leaks About It." *Forbes*. April 4, 2014.
- [19] Chris Bronk. "What Heartbleed Means to Critical Infrastructure." *Forbes*. April 23, 2014.
- [18] Chris Bronk. "Averting a National Blackout: Cybersecurity and the Critical Energy Infrastructure." *Forbes*. March 17, 2014.
- [17] Chris Bronk. "Hacks on Gas (and the Grid): Cybersecurity, Energy and National Defense." *Forbes*. February 5, 2014.
- [16] Chris Bronk and Dan Wallach. "Cyber arms control? Forget about it." *CNN*. March 26, 2013.
- [15] Chris Bronk. "Hacking Is Hardly Cyberwar, for Now." *New York Times*. February 28, 2013.

- [14] Chris Bronk. "Strategic Industries Must Shift Focus on Cybersecurity." *World Politics Review*. October 19, 2012.
- [13] Chris Bronk. "Let's use caution in enacting cyber rules." *Houston Chronicle*. October 19, 2012.
- [12] Chris Bronk. "The wrong way to stop online piracy." *Houston Chronicle*. November 25, 2011.
- [11] Chris Bronk. "Mexico cartels lash out against 'Internet snitches.'" *Houston Chronicle*. September 30, 2011.
- [10] Chris Bronk. "Translating the U.S. International Cyber Strategy Into Action." *World Politics Review*. May 19, 2011.
- [9] Edward Djerejian and Chris Bronk. "How Disastrous is WikiLeaks to the State Department?" *Foreign Policy*. December 1, 2010.
- [8] Chris Bronk. "Stuxnet virus exposes risks." *Houston Chronicle*. October 31, 2010.
- [7] Chris Bronk. "Cybersecurity: Protect the Internet, but How?" *World Politics Review*. June 29, 2010.
- [6] Chris Bronk. "Google's Internet Diplomacy in China." *World Politics Review*. March 30, 2010.
- [5] Chris Bronk. "Toward Cyber Arms Control with Russia" *World Politics Review*. January 19, 2010.
- [4] Chris Bronk. "Ending uGov a Step Back for U.S. Intel Community." *World Politics Review*. October 15, 2009.
- [3] Chris Bronk. "Our Newest Air Force: Ready for War in Cyberspace." *World Politics Review*. September 10, 2009.
- [2] Chris Bronk. "Time to Move Toward a More Secure Cyberspace." *World Politics Review*. August 13, 2009.
- [1] Chris Bronk, Ken Medlock and Dan Wallach. "Is U.S. Vulnerable to a Cyber Attack?" *Houston Chronicle*. May 3, 2009.

#### FORTHCOMING OR UNDER REVIEW

- [4] Chris Bronk and Carolyn Semmler. Observing and measuring information power. Unpublished paper.
- [3] Chris Bronk. "Information Power! The ongoing revolution in computing and global politics." *Communications of the ACM*. (Forthcoming).
- [2] Chris Bronk. "What machine intelligence means to cybersecurity" in *Cyber Security - Policy and Technology*, ed. Martti Lehto. Springer. Spring 2025.

[1] Garret Casey and Chris Bronk. Israel's Cyber Triad – How Academic, Industry, and Military Collaboration Constructs Outsized Capability. (Under review).

#### INVITED PRESENTATIONS & WORKSHOPS (Selected)

“You will feel influence,” University of Adelaide, Adelaide, Australia, June 2025.

Navigating cyber in a fractured world, USAsia Centre, University of West Australia, Perth, Australia, May 2025

Information Power: Computing's Collision with Geopolitics, School of Engineering, University of Sydney, Sydney, Australia, May 2025

Keynote Address: Cyber, AI and hybrid threats: New ambitions, old challenges in a polarized future, EU Hybrid Warfare Center, Helsinki, Finland, April 2025

Information Power: Computing's Collision with Geopolitics, RMIT, Melbourne, Australia, April 2025

Super Sad Super Sad Virtual Society: Politics, Cognition and Computing of Our Time, Deakin University, Melbourne, Australia, March 2025

Information Power: Computing's Collision with Geopolitics, Information and Influence Group, University of Melbourne, Melbourne, Australia, March 2025

Creating cooperatively the use of cyber-related technologies for gaining cognitive superiority, CYDEF 2024, Tokyo, Japan, December 2024

Balancing Tech & Touch, Schlumberger, Houston, Texas, October 2024

Information, Misinformation and Disinformation, Texas A&M School of Law, Ft. Worth, Texas, October 2024

Power over Opinion – Cyber, Cognition and Influence, Global Information Conference Australia, Adelaide, Australia, June 2024

The role of Cyberspace related technologies (AI/ML-powered) in influencing the cognitive domain, Symposium on Cyber Power in Hybrid Warfare, European Union Hybrid Warfare Center of Excellence, Helsinki, Finland, April 2024

Cyber Norms Conference, MIT, November 2023

The cyber and hybrid aspects of cognitive warfare/superiority, Symposium on Cyber Power in Hybrid Warfare, European Union Hybrid Warfare Center of Excellence, Helsinki, Finland, October 2023

Where cyber meets cognition, Presentation, University of Jyväskylä, Jyväskylä, Finland, October 2023

Trends in AI and Cybersecurity, IEEE Transdisciplinary AI 2023, Laguna Hills, Ca, September 2023

Military Cyber, Cyber & Innovation Policy Institute, US Naval War College, June 2023

ChatGPT: Love It or Hate It: Exploring the Transformative Power of ChatGPT, The Ion, May 2023

Influence operations in Cyber geopolitics, CYDEF 2021, Tokyo, Japan, November 2021

National Security in the Digital Age How Cyberattacks Pose a Threat, University of Texas International Affairs Society, University of Texas, April 2021

SolarWinds: The geopolitical fallout of our continuing cyber insecurity problem, Overseas Security Advisory Council, Dept. of State, March 2021

Social Cybersecurity, UH Women in Cybersecurity, December 2020

Bits, Barrels, and Bad Actors: Cyber Threats to the Oil & Gas Industry, Center for Energy Studies, Baker Institute, June 2020

Maritime Cybersecurity, University of Houston Center for Borders, Trade and Immigration, Houston, March 2020

Public Hearing on Military Cybersecurity, Folketing - Parliament of Denmark, Copenhagen, Denmark, September 2019

CFR Energy Program Roundtable, Council on Foreign Relations, May 2019

UH Seminar on Energy and Cybersecurity, Houston, April 2019

Cyberspectives: Exploring Cybersecurity and Geopolitics with Chris Bronk, Hoover Institution, January 2019

Cyber Transform, University of Houston, September 2018 (organizer)

Cyber Norms Conference, Massachusetts Institute of Technology, March 2018 (organizer)

Student Conference on National Affairs, Texas A&M University, April 2017

Cyber Norms Conference, Massachusetts Institute of Technology, March 2016 (organizer)

Workshop on Strategic Use of Offensive Operations in Cyberspace, Stanford University, March 2016  
Cybered Futures and Conflict/Governance Implications, U.S. Naval War College & Brown University,  
September 2015

Student Conference on U.S. Affairs, USMA-West Point, November 2014 & November 2016

Rice Engineering and Construction Forum, Rice University, September 2014

Student Conference on National Affairs, Texas A&M University, April 2014

Cyber Norms Conference, Massachusetts Institute of Technology, March 2014

John Tower Center, Southern Methodist University, February 2014

Next Generation Texas, University of Texas, January 2014

Cybersecurity and Energy, New Realities: Energy Security in the 2010s and Implications for the U.S.  
Military, U.S. Army War College, November 2013

Oil and Gas Mobility Summit, October 2013

Connaught Institute, University of Toronto, July 2013

Deloitte Energy Conference, May 2013

ISACA National Meeting, May 2013

Rice University/Fullbright & Jaworski Energy Directors Conference, March 2013

Academic Collaboration, Federal Bureau of Investigation, January 2013

Cyber Security in Oil & Gas, Council on Foreign Relations, January 2013

Cyber Norms Conference, Massachusetts Institute of Technology, September 2012

Tech@State: Wiki.Gov, July 2012 (organizer)

National Aeronautics and Space Administration, Open Source Summit, June 2012

Department of Defense, Strategic Multilayer Assessment, January 2012

International School on Disarmament and Research on Conflicts (ISODARCO), January 2012

Cyber Geopolitics, Federal Bureau of Investigation, April & November 2011, March 2012

South by Southwest (SXSW) Interactive, March 2011 & March 2012

American Petroleum Institute, November 2010

IJIS Institute, January 2010

American Council for Technology – Industry Advisory Council, May 2009

University of St. Thomas, April 2009

Secureworld Houston Exposition, February 2009

Migration Policy Institute, February 2009

Intelligence and National Security Alliance, July 2008

Secretaria de Relaciones Exteriores de Mexico, April 2008

El Colegio de Mexico, March 2008

University of Texas, School of Public Health, March 2008 & April 2009

ISC2, March 2008

Exxon-Mobil Corporation, October 2007

Greater Houston Chamber of Commerce, September 2007

Rockefeller College, SUNY Albany, April 2007

Wikimania: Conference of the Wikia Foundation, August 2006

National Foreign Affairs Training Center, March 2006

George Washington University, February 2006

Universidad Iberoamericana, July 2004

## TEACHING

### *University of Houston*

Public Policy 3341 – State Authority and Freedom

Public Policy 6391 – Public Policy Internship

Computer and Information Science 2337 – Fundamentals of Information Security

Computer and Information Science 3351 – Intrusion Detection and Incident Response

Computer and Information Science 6321 – Introduction to Information Security

Computer and Information Science 6322 – Enterprise Security

Computer and Information Science 6324 – Cybersecurity Risk

Computer and Information Science 6397 – Cyber Policy

Computer and Information Science 6326 – Critical Thinking in Cybersecurity

### *Rice University*

Global Affairs 525 – International Security

Global Affairs 551 – Cyberpolitik

Computer Science 301 – Technology and Politics in the Information Age

Computer Science 514 – Energy, Sustainability & IT

Political Science 470 – International Relations

Political Science 473 – The Craft of Intelligence

Continuing Studies – National Security in the Post-Cold War, Post-9/11 World

## PROFESSIONAL SERVICE

Senator, University of Houston Faculty Senate, 2023-Present

Member, UH Law Center Faculty Search Committee, 2024 - Present

Co-Chair, Open Rank Social Policy Search Committee, 2022-2023

Member, Hobby School Accreditation Committee, 2024-Present

Member, Hobby School Curriculum Committee, 2024-Present

Member, MPA Program Transition Committee, 2022-2024

Member, Hobby School of Public Affairs Building Committee, 2022-2023

Member, Public Administration NTT Search Committee, 2022-2023

Chair, Cybersecurity Search Committee, 2021-2022

Chair, Departmental Bylaws Committee, 2020-2022

Member, Boren Campus Committee (UH Honors College), 2020-Present

Member, Promotion & Tenure Committee, 2020-Present

Member, DIGM Tenure Track Search Committee #1, 2020-2021

Member, Search Committee - CIS Tenure Track, 2020-2021

Member, DIGM Tenure Track Search Committee #2, 2020-2021  
Member, UH COVID/Racism Research Committee, 2020  
UH Seed Funding Program Review Committee, 2018-2019  
Advisor, Atlantic Council Cyber 9/12 team, 2018  
Academic Honesty Hearing Officer, ILT Department, UH College of Technology, 2014-2017  
Bylaws Committee, UH College of Technology, 2016-2018  
Dean's Advisory Committee, UH College of Technology, 2016-Present  
Faculty Advisor, UH Cybersecurity Club, 2016-2017  
Faculty Advisor, UH Cyber Collegiate Defense Competition (CCDC) Team, 2015 - 2017  
Chair, e-Governance Committee, US ACM Council, 2014-2018  
Assistant Professor Search Committee-AI & Machine Learning, UH, 2018  
Department Chair Search Committee, 2017  
Assistant Professor Search Committee-Security, UH, 2017  
Assistant Professor Search Committee-CIS, UH, 2017  
Instructional Assistant Professor Search Committee-CIS, UH, 2017  
Assistant Professor Search Committee-Security, UH, 2015  
Member-at-Large, US ACM Council, 2013  
Member, Rice University Information Technology Task Force, 2012  
Member, Rice University Information Technology Advisory Committee, 2008 - 2014  
Member, Greater Houston Partnership Technology Infrastructure Committee, 2009 - 2012  
Co-Chair, Rice University Educational Technology Committee, 2009 - 2010  
Mentor, Rice University Fellowships and Awards Community, 2007 - 2014  
Member, Houston Serious Games Consortia, 2006 - 2012  
Member, Executive Committee, Information Technology and Politics section, American Political Science Association, 2007 - 2009  
Reviewer, International Digital Government Working Group, Center for Technology in Government, SUNY Albany, 2006  
Hometown Diplomat, U.S. Department of State, Summer 2005

## REVIEWER

Blavatnik Interdisciplinary Cyber Research Center, Communications of the ACM, Computers and Security, HICSS, Journal of Information Systems Security, Journal of Information Technology and Politics, International Interactions, International Studies Quarterly, Science, Middle East Journal, Democracy and Security, Czech Science Foundation, Information Security Journal - A Global Perspective, Strategic Studies Quarterly, European Journal of International Relations, IGI Global, First Monday, Security Dialogue, Contemporary Security Policy, The Information Society, and the MIT Press

## GRADUATE STUDENTS

Committee member for doctoral theses of:

Shahyar Baki, University of Houston, 2020  
Santosh KC, University of Houston, 2018  
Rima Tanash, Rice University, 2017  
Adam Pridgen, Rice University, 2017  
Christine Izuakor, University of Colorado-Colorado Springs, 2016  
Theodore Book, Rice University, 2015  
Judson Dressler, Rice University, 2015

Anhei Shiu, Rice University, 2014  
Aaron Brantly, University of Georgia, 2012

Master's thesis (UH):

Brian Zabeti 2022\*  
Hector Ocampo 2021\*  
Elizabeth Kasongo 2021\*  
Ronald Wilson 2020  
David Edwards 2018\*  
Afnan Abdulatif, 2018\*  
Nicole Bushong 2018\*  
Pablo Delgado, 2018\*  
Pranav Narain, 2018\*  
Nafisa Jassani, 2018  
Barry Yim, 2018\*  
Ayushman Dutta, 2017\*  
Gregory Anderson, 2017\*  
Xi Lu, 2017  
Santosh KC, 2017  
Anthony Moyegun, 2016\*  
Arthur Dunbar, 2016  
Adelina Kaza, 2016\*  
Matt Rhodes, 2015\*

\* Denotes thesis chair

Master's project

Srija Reddy, 2018  
Shaun Erik Tavitiki, 2018.  
Arjun Bhardwaj, 2018  
Fidelis Agbor, 2017

## TECHNICAL SKILLS

Technically proficient in: client-server application design, object-oriented software development, HTML, SQL, SAS, SPSS, Visio, Linux, Networking, LaTeX, Ethernet, Internet and Telecommunications Protocols, Service Oriented Architecture (SOA), MediaWiki, PHP, and PERL.

## AFFILIATIONS

Member of the Association for Computing Machinery (ACM) and International Studies Association (ISA).

Former member of the American Political Science Association (APSA), American Foreign Service Association (AFSA), Information Systems Security Association (ISSA), and Federation of American Scientists (FAS).

## PRESS

Appearances in The New York Times, Foreign Policy, Der Spiegel, Scientific American, NPR, The Wall Street Journal, The Guardian, ABC, CNN, BBC, Australian Broadcasting Corporation and the Houston Chronicle.

Also maintains a blog at Medium: <https://medium.com/@chrisbronktx>

#### LANGUAGES

Semi-fluent speaker of Spanish.