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TABLE OF CONTENTS

TABLE OF CONTENTS	1
EDUCATION	2
ACADEMIC POSITIONS & TEACHING EXPERIENCE	2
ACADEMIC AWARDS & HONORS	5
FELLOWSHIPS	6
AFFILIATIONS	6
TEACHING HONORS	7
RESEARCH AND PUBLICATIONS	7
CITATION STATISTICS AS OF OCTOBER 2016	17
PRESENTED PAPERS	18
OTHER CONFERENCE PARTICIPATION	25
VISITING SCHOLAR	30
INVITED TALKS	30
HOSTED CONFERENCES & EVENTS	38
MEDIA COVERAGE OF RESEARCH	39
PROFESSIONAL EXPERIENCE	47
CYBERSECURITY CONSULTING	48
SERVICE TO INDIANA UNIVERSITY	48
COMMUNITY SERVICE	51
GRANTS	51
PROFESSIONAL SERVICE	52
PROFESSIONAL MEMBERSHIPS	54
BAR ADMISSION	54
SCIENCE WRITING	54
ADDITIONAL INFORMATION	54

EDUCATION

STANFORD LAW SCHOOL, J.D., June 2009

Honors: Graduated with Academic and Pro Bono Distinction; Jessup Moot Court Best Oralist Award

Journal: co-Editor-in-Chief, *Stanford Journal of International Law*

Activities: Founder, SLS Academy; Co-Creator, Stanford Elder Law Pro Bono Project; Member, Jessup International Law Moot Court Team; Teacher, Street Law; East Palo Alto Volunteer Attorney Program; Representative, Stanford Committee on Health and Safety; Author, *Stanford Judicial Review*; Finalist, Stanford Student Enterprises Ventures Competition

UNIVERSITY OF CAMBRIDGE, M.Phil. in International Relations, May 2006; Ph.D. in Politics and International Studies, May 2013

Honors: Graduated First (Highest Distinction)

Doctoral Dissertation: *Governing the Global Commons in International Law and Relations*

Activities: Convener, International Law Research Group; Section Editor, *Cambridge Review of International Affairs*; International Officer, Darwin College; Member, Darwin Men's Rowing Team

INDIANA UNIVERSITY, B.A., *summa cum laude*, in Economics and Political Science with Honors, August 2005, Minors in Spanish, International Studies, and Psychology, Liberal Arts Management Program Certificate

Honors: Early Admit, Phi Beta Kappa; 2005 Elvis J. Stahr Distinguished Senior Award Recipient; University of Pennsylvania Institute for Research into Cognitive Science 5th Annual Summer Fellowship; Justice, Indiana University Student Association Supreme Court

Study Abroad: University of Sussex, Development Studies (Brighton, UK, Jan.-June 2004); Universidad de Salamanca, Spanish Grammar, Conversation and History (Salamanca, Spain, June-Aug. 2003); Czech University of Economics, International Youth Leadership Conference (Prague, Czech Republic, Jan. 2003)

ACADEMIC POSITIONS & TEACHING EXPERIENCE

INDIANA UNIVERSITY-BLOOMINGTON

Cybersecurity Program Chair (June 2017-Present) Bloomington, IN

- ❖ Selected as first Cybersecurity Program Chair to administer IU-Bloomington's multidisciplinary program in Cybersecurity Risk Management, which ties together the Kelley School of Business, Maurer School of Law, and the School of Informatics and Computing
- ❖ Developed the M.S. in Cybersecurity Risk Management in-residence and online proposals, along with graduate cybersecurity certificate programs
- ❖ Manage both in-residence and online cybersecurity programs along with Program staff

OSTROM WORKSHOP

Bloomington, IN

Executive Director, (Dec. 1, 2019-)

Acting Director, (Aug. 1, 2019-Nov. 30, 2019)

- ❖ Lead the Ostrom Workshop community, including chairing both the internal and external boards and working with the Deputy Director to manage staff
- ❖ Launched working groups, and re-created the Workshop Advisory Council (WAC)

- ❖ Organize commemorative events for the 10-year anniversary of Elinor Ostrom's Nobel Prize
- ❖ Launch a new podcast, the Governance Roundtable of the Ostrom Workshop (GROW)

OSTROM WORKSHOP

Bloomington, IN

Director, Program on Cybersecurity and Internet Governance, (Sept. 2016-Present)

- ❖ Assemble a critical mass of scholars in cybersecurity and Internet governance research across IU Bloomington and IUPUI as Workshop Affiliated Faculty
- ❖ Organize monthly seminars featuring invited papers and speakers to help deepen and enrich IU's cybersecurity and Internet governance research community
- ❖ Manage occasional conferences to bring together thought leaders and policymakers
- ❖ Serve on the Ostrom Workshop's Board of Directors
- ❖ Identify and invite occasional visiting scholars, who will be leaders in the cybersecurity and Internet governance fields, to come to the Ostrom Workshop and thereby help to further develop IU's intellectual ties in this space with the wider world
- ❖ Administer the Program's budget, which will be used for inviting speakers, organizing colloquia, engaging in research collaborations, compensating short-term visiting scholars, and otherwise building the Program in collaboration with other relevant academic units across campus

INDIANA UNIVERSITY KELLEY SCHOOL OF BUSINESS

Associate Professor of Business Law and Ethics, (July 2016-Present) Bloomington, IN

Assistant Professor of Business Law and Ethics, (July 2010-June 2016) Bloomington, IN

- ❖ Created Cybersecurity & IT Leadership Executive Certificate Program, which was delivered in collaboration with Employ Indy (Sept. 2018)
- ❖ Taught L201: The Legal Environment of Business, which is a survey business law course covering legal reasoning, torts, contracts, agency, employment, and international law
- ❖ Developed L302: Sustainability Law and Policy, a new, award-winning undergraduate survey course covering the economic, environmental, social, ethical, and legal aspects of sustainability, including U.S. environmental and international law
- ❖ Developed L272: Sustainability Down Under, a global business immersion core class focused on comparative sustainability law and policy in the U.S. and Australia, including an embedded travel component to Sydney and Canberra, Australia incorporating business, governmental, and cultural visits as well as an international service-learning project for the Australian Capital Territory Office of the Commissioner for Sustainability and the Environment
- ❖ Developed L580: Cybersecurity Law and Policy, a new, required Masters of Science in Information Systems course on U.S. and comparative cybersecurity best practices incorporating innovative consulting projects for the State of Indiana Office of Technology
- ❖ Developed T578: Cybersecurity Law and Policy, an online version of L580 for the MS in Information Technology Management program
- ❖ Developed, in collaboration with Profs. Sumit Ganguly and David Bosco along with the Institute for Defense and Business (IDB), a Strategic Fellows Program for the U.S. Army's future leaders that began in 2016 with 23 Captains and Majors participating and continued in 2017 with enrollment growing to 33
- ❖ Faculty facilitator for X576: Sustainability in Indonesia, an MBA emerging markets course focused on sustainable development in Indonesia including a two-week trip to the country to visit businesses, speak with policymakers, and attend cultural events (2013)

- ❖ Faculty facilitator for X576: Managing Geostrategic Risk in Eastern Europe, an MBA emerging markets course focusing on Turkey and Georgia including a two-week trip to Istanbul, Cappadocia, and Tbilisi to visit businesses, speak with policymakers, and attend cultural events (2015)
- ❖ Developed X574: Issues in International Business Law for the International Graduate Business School in Zagreb, Croatia, including special coverage of comparative sustainability law and policy, cybersecurity, and privacy with an emphasis on E.U. and U.S. law (2013, 2014)
- ❖ Developed B655: Information Privacy & Security Management Practicum for the Maurer School of Law (2015), which included an innovative applied service-learning project with the Town of Speedway, Indiana in partnership with the Indiana Office of Technology
- ❖ Developed L59X: Cybersecurity Risk Management Capstone, the final course featuring an applied practicum for the M.S. in Cybersecurity Risk Management Program
- ❖ Created and facilitated a cybersecurity capstone project that included representatives from the Town of Speedway, IN, the Indiana National Guard, U.S. Cyber Command, and NATO for a joint program between the U.S. Army and IU in which 20-25 Army Captains and Majors receive international security training at IU-Bloomington
- ❖ Exec Ed Professor for C511: Organizational Development and Change, introducing U.S. and international law to executives from China International Marine Corporation (2013, 2014)
- ❖ Exec Ed Professor for C514: Managing Human Resources in a Global Environment, introducing data privacy and cybersecurity to executives from John Deere (2013, 2014)
- ❖ Exec Ed Professor for C514: Managing Human Resources in a Global Environment, introducing data privacy and cybersecurity to executives from Cummins (2013, 2014, 2015)
- ❖ Exec Ed Professor for C514: Managing Human Resources in a Global Environment, introducing students from the Purdue Agricultural School to U.S. law in a global context focusing on sustainable development and cybersecurity law and policy (2013, 2014)
- ❖ Exec Ed Professor for Z501: Leadership Assessment Preparation for Success, introducing students from Sungkyunkwan University (SKKU) to U.S. law in a global context and focusing on sustainable development and comparative cybersecurity law and policy (2014, 2015)
- ❖ Exec Ed Professor for C511: Organizational Development and Change, introducing a diverse group of professionals to U.S. and comparative cybersecurity law and policy

HARVARD UNIVERSITY KENNEDY SCHOOL OF GOVERNMENT

Research Fellow, (Aug. 2016-Feb. 2017)

Cambridge, MA

- ❖ Competitively selected as 2016-2017 research fellow with the Science, Technology, and Public Policy Program's Cyber Security Project at the Belfer Center for Science and International Affairs at the Harvard Kennedy School
- ❖ Active participant in Belfer intellectual life, including participating in group meetings, fellows' meetings, the Belfer seminar series, and affiliate Kennedy programs
- ❖ Collaborated on a number of joint cybersecurity research projects with colleagues across Harvard and beyond

STANFORD UNIVERSITY HOOVER INSTITUTION

Stanford, CA

W. Glenn Campbell and Rita Ricardo-Campbell National Fellow, (Aug. 2014-Dec. 2014)

- ❖ Awarded a competitive research fellowship at the Hoover Institution, which has been rated as the top think tank in the world, to pursue my project "Toward a State-Centric Cyberspace?" exploring the role of national cybersecurity strategies in advancing a culture of cyber peace

- ❖ Chosen to receive the 2014-15 Edward Teller National Fellowship at Hoover
- ❖ Selected as a 2014-15 Visiting Scholar, Stanford Law School

UNIVERSITY OF NOTRE DAME South Bend, IN

Visiting Assistant Professor & Distinguished Fellow, (Aug. 2013-Dec. 2013)

- ❖ Competitively selected out of a field of more than 200 applicants as a distinguished fellow housed at the Institute for Advanced Study
- ❖ Conducted interdisciplinary research on sustainable development and the ethical dimensions of contemporary cybersecurity challenges including cyber warfare
- ❖ Invited to present research in interdisciplinary forums across campus, including Notre Dame Law School and the John J. Reilly Center for Science, Technology, and Values

UNIVERSITY OF CAMBRIDGE

Convener, Research Group on International Law, (Oct. 2009-Oct. 2010) Cambridge, England

- ❖ Organized sessions on current topics in international law for the Cambridge Centre of International Studies in conjunction with the Lauterpacht Center for International Law
- ❖ Chaired talk for Dr. Marc Weller of the Cambridge Centre for International Studies who presented his paper on the failure of legal advisors on the lead up to the war in Iraq

STANFORD UNIVERSITY

Teaching Assistant, (Sep. 2008-Jan. 2009) Stanford, CA

- ❖ Teaching assistant for Introduction to American Law taught by Prof. Lawrence Friedman
- ❖ Received outstanding evaluations from students (available upon request)

INDIANA UNIVERSITY

Business Law and Economics Instructor, (Jan. 2003-May 2005) Bloomington, IN

- ❖ Wrote lesson plans and taught three hours of supplemental instruction weekly for more than 300 business law and economics students

ACADEMIC AWARDS & HONORS

- ❖ Winner, 2019 Cyber Future Society Award (*recognizing “incredible support towards building a trusted cyberspace”*)
- ❖ Winner, 2018 Southeast Academy of Legal Studies in Business Best Proceedings Paper Award (*with Nathaniel Grow*)
- ❖ Winner, 2015 Elinor Ostrom Award for Collective Governance of Common Resources (*Junior Scholar Category*)
- ❖ Winner, 2015 ALSB Distinguished Junior Faculty Award (*the most prestigious award available to tenure-track faculty from the international Academy of Legal Studies in Business*)
- ❖ Winner, 2015 Hoeber Memorial Award (*honoring the best peer-reviewed best article published in the prior volume of the American Business Law Journal as judged by a panel of former ABLJ Editors in Chief*)
- ❖ Winner, 2015 Kelley School of Business Research Award (*honoring the most productive Assistant Professor in the School*)
- ❖ Winner, 2014 IU-Bloomington Outstanding Junior Faculty Award (*the most prestigious award available to tenure-track faculty at Indiana University*)
- ❖ Stephen M. Kellen Term Member, Council on Foreign Relations (2014-19)
- ❖ IU Nominee, Carnegie Fellows Program (2015, 2016)
- ❖ Nominated for Poets & Quants “40 Under 40” Best Business Professors Series (2015)

- ❖ Fulbright Specialist Award in Law at Economics Institute, University of Zagreb, Croatia (2013)
- ❖ Winner, 2013 Academy of Legal Studies in Business (ALSB) Outstanding Proceedings Paper Award
- ❖ Article *Governing the Final Frontier: A Polycentric Approach to Managing Space Weaponization and Debris* selected as a Distinguished Paper for the Academy of Legal Studies in Business National Conference (2013)
- ❖ Competitively selected to participate in short-term IU faculty exchange program with National Institute of Development Administration located in Bangkok, Thailand, to collaborate with local cybersecurity scholars and teach a graduate-level business law course (2016)
- ❖ Indiana University Center for International Business Education & Research (CIBER) U.S. Department of Education Grant (2011)
- ❖ Indiana University Office of the Vice President for International Affairs Overseas Research Grant (2011)
- ❖ Department of Defense National Defense University Grant Recipient for Research on Cybersecurity Law and Policy (2011)
- ❖ Stanford Law School Steven Block Civil Liberties Award for Writing on Civil Rights (2009)
- ❖ Rotary Ambassadorial Scholarship, State of Indiana (2006)
- ❖ Cambridge Overseas and European Trusts Bursary Awards (2006)
- ❖ Selected for inclusion in the Academic Keys Who's Who in Business Higher Education

FELLOWSHIPS

- ❖ Research Fellowship, Science, Technology, and Public Policy Program, Belfer Center for Science and International Affairs, Harvard Kennedy School (2016-17)
- ❖ W. Glenn Campbell and Rita Ricardo-Campbell National Fellowship at the Hoover Institution, Stanford University (2014-15)
- ❖ Edward Teller National Fellowship, Hoover Institution, Stanford University (2014-15)
- ❖ Notre Dame Institute for Advanced Study Distinguished Visiting Fellowship (2013-14)
- ❖ Visiting Scholar, Stanford Law School (2014-Present)
- ❖ Senior Fellow, Indiana University Center for Applied Cyber Security Research (2011-Present)
- ❖ Service-Learning Faculty Fellow (2011-12)
- ❖ Stanford Center on International Conflict and Negotiation Fellowship (2008)
- ❖ Stanford Law School Public Interest Fellowship (2007)
- ❖ National Security Education Program Graduate Boren Fellowship (2007)

AFFILIATIONS

- ❖ Affiliated Professor of Law, Indiana University Maurer School of Law
- ❖ Affiliate, Harvard Kennedy School Belfer Center for Science and International Affairs (2017-Present)
- ❖ Visiting Scholar, Stanford Law School (2014-16)
- ❖ Affiliate Scholar, Stanford Center for Internet and Society (2014-Present)
- ❖ Core Faculty, Indiana University School for Global and International Studies
- ❖ Affiliated Faculty, Vincent and Elinor Ostrom Workshop in Political Theory and Policy Analysis

- ❖ Affiliated Faculty & Advisory Board Member, Center on American and Global Security
- ❖ Affiliated Faculty, Center for Law, Society, and Culture
- ❖ Affiliated Faculty, Maurer School of Law
- ❖ Affiliated Faculty, Liberal Arts Management Program (LAMP)
- ❖ Affiliated Faculty, Indiana University Center for the Study of Global Change
- ❖ Affiliated Faculty, Indiana University Institute for European Studies
- ❖ Affiliated Faculty, Indiana University Integrated Program in the Environment
- ❖ Affiliated Faculty, Russian and East European Institute
- ❖ Affiliated Faculty, Emerging Technologies of National Security and Intelligence, John J. Reilly Center, University of Notre Dame
- ❖ Researcher, Institute for National Security Studies at National Defense University

TEACHING HONORS

- ❖ Winner, 2015 Sauvain Undergraduate Teaching Award (*recognizes excellence in teaching philosophy and techniques of tenure-track faculty*)
- ❖ Winner, 2015 Elvin S. Eyster Teaching Scholar (*recognizes excellence in the creation, utilization, and dissemination of knowledge that enhances the teaching and learning process*)
- ❖ Winner, 2014 IU Sustainability Course Development Fellowship for Global Business Immersion L272: Sustainability Down Under
- ❖ Recipient, 2014 Campus Writing Program Summer Writing-Teaching Grant
- ❖ Winner, 2012 Campus Sustainability Award for Teaching Excellence, <http://newsinfo.iu.edu/news/page/normal/23483.html>
- ❖ Winner, 2012 Kelley School of Business Innovative Teaching Award
- ❖ Winner, 2011 Indiana University Trustees' Teaching Award for Excellence (*bestowed under the auspices of the Indiana University Trustees in recognition of the University's most distinguished teachers*)
- ❖ Winner, IU Sustainability Course Development Fellowship for L302: Sustainability Law and Policy (2011)
- ❖ Sustainability course featured in *Inside IU: Steve Hinnefeld, Kelley Sustainability Course Breaks New Ground*, INSIDE IU (Aug. 15, 2012), <http://inside.iu.edu/editors-picks/campus-life/8-15-12-kelley-sustain.shtml>
- ❖ Recognized as being in top three percent of all instructors at the Kelley School of Business based on student evaluations (2011)
- ❖ Nominated for Indiana University Student Choice Award for Outstanding Faculty Members in 2011 and 2012
- ❖ L302: Sustainability Law & Policy course featured in the Academy of Legal Studies in Business Environmental-Sustainability Newsletter

RESEARCH AND PUBLICATIONS

RESEARCH INTERESTS

- Cybersecurity law and policy
- Privacy and comparative property rights
- International law and relations
- Sustainability law and policy

BOOKS

1. GOVERNING NEW FRONTIERS IN THE INFORMATION AGE: TOWARD CYBER PEACE (Cambridge University Press, forthcoming 2020) (reviewed by Peter Swire, Mike Schmitt, Adam Segal, Susan Aaronson, and Brett Frischmann).
2. SCOTT J. SHACKELFORD, THE INTERNET OF THINGS: WHAT EVERYONE NEEDS TO KNOW (Oxford University Press, forthcoming 2020) (reviewed by Bruce Schneier, Jeff Kosseff, and Peter Swire).
3. MANAGING CYBER ATTACKS IN INTERNATIONAL LAW, BUSINESS AND RELATIONS: IN SEARCH OF CYBER PEACE (Cambridge University Press, 2014) (reviewed by Richard Clarke (Good Harbor Consulting); Dr. Hamadoun I. Touré (former Secretary-General, International Telecommunication Union); Prof. Michael Schmitt (Naval War College); Prof. Paul Rosenzweig (Georgetown University); Prof. Mary Ellen O'Connell (University of Notre Dame); Prof. Don Howard (University of Notre Dame); Prof. Sean Watts (Creighton University); Brad Wheeler (CIO, Indiana University); and Charles Bjork (American Association of Law Libraries), *available at* <http://tinyurl.com/zwqwdqz>).
4. ERIC RICHARDS & SCOTT SHACKELFORD, LEGAL AND ETHICAL ASPECTS OF INTERNATIONAL BUSINESS (Wolters Kluwer Law, 2014).

ARTICLES

5. *The Sport of Cybersecurity: How Professional Sports Leagues Can Better Protect the Competitive Integrity of their Games*, __ BOSTON COLLEGE LAW REVIEW __ (forthcoming 2020) (with Nathaniel Grow).
6. *The Future of Frontiers*, __ LEWIS & CLARK LAW REVIEW __ (forthcoming 2020).
7. *Rethinking Active Defense: A Comparative Analysis of Proactive Cybersecurity Policymaking*, __ UNIVERSITY OF PENNSYLVANIA JOURNAL OF INTERNATIONAL LAW __ (forthcoming 2019) (with Danuvasin Charoen, Tristen Waite, & Nancy Zhang).
8. *Unpacking the Rise of Benefit Corporations: A Transatlantic Comparative Case Study*, __ VIRGINIA JOURNAL OF INTERNATIONAL LAW __ (forthcoming 2020) (with Janine Hiller & Xiao Ma).
9. *Smart Factories, Dumb Policy? Managing Cybersecurity and Data Privacy Risks in the Industrial Internet of Things*, 21 MINNESOTA JOURNAL OF LAW, SCIENCE, & TECHNOLOGY 1 (2019).
10. *Should Cybersecurity Be a Human Right? Exploring the 'Shared Responsibility' of Cyber Peace*, 55 STANFORD JOURNAL OF INTERNATIONAL LAW 155 (2019).
11. *Governing the Internet of Everything*, 37 CARDOZO ARTS & ENTERTAINMENT LAW JOURNAL 701 (2019).
12. *The Firm and Common Pool Resource Theory: Understanding the Rise of Benefit Corporations*, 55 AMERICAN BUSINESS LAW JOURNAL 5 (2018) (with Janine S. Hiller).
13. *Securing the Internet of Healthcare*, 19 MINNESOTA JOURNAL OF LAW, SCIENCE AND TECHNOLOGY 405 (2018) (with Michael Mattioli, Steve Myers, Austin Brady, Yvette Wang, and Stephanie Wong).
14. *Building a Better HAL 9000: Algorithms, the Market, and the Need to Prevent the Engraining of Bias*, 15 NORTHWESTERN JOURNAL OF TECHNOLOGY AND INTELLECTUAL PROPERTY 215 (2018) (with Anjanette Raymond & Emma Arrington Stone Young).
15. *Is it Time for a National Cybersecurity Safety Board? Examining the Policy Implications and Political Pushback*, 28 ALBANY LAW JOURNAL OF SCIENCE AND TECHNOLOGY 56 (2018) (with Austin Brady) (covered by *Politico*).

16. *When Toasters Attack: Enhancing the ‘Security of Things’ through Polycentric Governance*, 2017 UNIVERSITY OF ILLINOIS LAW REVIEW 415 (2017) (with Anjanette Raymond, Danuvasin Charoen, Rakshana Balakrishnan, Prakhar Dixit, Julianna Gjonaj, & Rachith Kavi).
17. *Making Democracy Harder to Hack: Should Elections be Classified as ‘Critical Infrastructure?’*, 50 MICHIGAN JOURNAL OF LAW REFORM 629 (2017) (with Michael Sulmeyer, Bruce Schneier, Anne Boustead, Ben Buchanan, Amanda Craig, Trey Herr, & Jessica Malekos Smith).
18. *The Law of Cyber Peace*, 18 CHICAGO JOURNAL OF INTERNATIONAL LAW 1 (2017).
19. *Human Rights and Cybersecurity Due Diligence: A Comparative Study*, 50 MICHIGAN JOURNAL OF LAW REFORM 859 (2017).
20. *Block-by-Block: Leveraging the Power of Blockchain Technology to Build Trust and Promote Cyber Peace*, 19 YALE JOURNAL OF LAW AND TECHNOLOGY 334 (2017) (with Steve Myers) (translated into Chinese).
21. *From Russia with Love: Understanding the Russian Cyber Threat to U.S. Critical Infrastructure*, 96 NEBRASKA LAW REVIEW 320 (2017) (with Michael Sulmeyer, Ben Buchanan, Amanda N. Craig Deckard, & Brian Micic) (invited symposium article).
22. *iGovernance: The Future of Multi-Stakeholder Internet Governance in the Wake of the Apple Encryption Saga*, 42 UNIVERSITY OF NORTH CAROLINA JOURNAL OF INTERNATIONAL LAW 883 (2017) (with Eric Richards, Anjanette Raymond, Jaclyn Kerr, & Andreas Kuehn).
23. *Paris, Panels, and Protectionism: Matching U.S. Rhetoric with Reality to Save the Planet*, 19 VANDERBILT JOURNAL OF ENTERTAINMENT AND TECHNOLOGY LAW 545 (2017) (with Abbey Stemler & Eric Richards).
24. *Operationalizing Cybersecurity Due Diligence: A Transatlantic Case Study*, 67 UNIVERSITY OF SOUTH CAROLINA LAW REVIEW 1 (2017) (with Scott Russell) (invited symposium article).
25. *On Climate Change and Cyber Attacks: Leveraging Polycentric Governance to Mitigate Global Collective Action Problems*, 18 VANDERBILT JOURNAL OF ENTERTAINMENT AND TECHNOLOGY LAW 653 (2016).
26. *Sustainable Cybersecurity: Applying Lessons from the Green Movement to Managing Cyber Attacks*, 2016 UNIVERSITY OF ILLINOIS LAW REVIEW 1995 (with Timothy Fort & Danuvasin Charoen).
27. *Unpacking the International Law on Cybersecurity Due Diligence: Lessons from the Public and Private Sectors*, 17 CHICAGO JOURNAL OF INTERNATIONAL LAW 1 (2016) (with Scott Russell & Andreas Kuehn).
28. *A State-Centric Cyber Peace? Analyzing the Current State and Impact of National Cybersecurity Strategies on Enhancing Global Cybersecurity*, 18 NEW YORK UNIVERSITY JOURNAL OF LEGISLATION AND PUBLIC POLICY 895 (2016) (with Andraz Kastelic).
29. *The Little Angel on Your Shoulder: Prompting Employees to Do the Right Thing Through the Use of Wearables*, 14 NORTHWESTERN JOURNAL OF TECHNOLOGY AND INTELLECTUAL PROPERTY 139 (2016) (with Timothy L. Fort & Anjanette Raymond).
30. *Bottoms Up: A Comparison of “Voluntary” Cybersecurity Frameworks*, 16 UNIVERSITY OF CALIFORNIA DAVIS BUSINESS LAW JOURNAL 217 (2016) (with Scott Russell & Jeffrey Haut).
31. *Securing North American Critical Infrastructure: A Comparative Case Study in Cybersecurity Regulation*, 40 CANADA-U.S. LAW JOURNAL 61 (2016) (with Zachary Bohm) (invited symposium article).

32. *Protecting Intellectual Property and Privacy in the Digital Age: The Use of National Cybersecurity Strategies to Mitigate Cyber Risk*, 19 CHAPMAN LAW REVIEW 445 (2016) (invited symposium article).
33. *Businesses and Cyber Peace: We Need You!*, 59 BUSINESS HORIZONS 539 (2016) (with Scott Russell) (invited article for special issue on business and peace).
34. *Proactive Cybersecurity: A Comparative Industry and Regulatory Analysis*, 18 AMERICAN BUSINESS LAW JOURNAL 721 (2015) (with Amanda Craig and Janine Hiller).
35. *Jury Glasses: Wearable Technology and its Role in Crowdsourcing Justice*, 17 CARDOZO JOURNAL OF CONFLICT RESOLUTION 115 (2015) (with Anjanette Raymond).
36. *Toward a Global Standard of Cybersecurity Care?: Exploring the Implications of the 2014 Cybersecurity Framework on Shaping Reasonable National and International Cybersecurity Practices*, 50 TEXAS INTERNATIONAL LAW JOURNAL 287 (2015) (with Andrew Proia, Amanda Craig, & Brenton Martell) (invited symposium article).
37. *Rhetoric Versus Reality: U.S. Resistance to Global Trade Rules and the Implications for Cybersecurity and Internet Governance*, 24 MINNESOTA JOURNAL OF INTERNATIONAL LAW 1 (2015) (with Eric Richards & Abbey Stemler) (invited symposium article).
38. *Risky Business: Lessons for Mitigating Cyber Attacks from the International Insurance Law on Piracy*, 24 MINNESOTA JOURNAL OF INTERNATIONAL LAW ONLINE 33 (2015) (with Scott Russell) (invited symposium article).
39. *Above the Cloud: Enhancing Cybersecurity in the Aerospace Sector*, 10 FLORIDA INTERNATIONAL UNIVERSITY LAW REVIEW 635 (2015) (with Scott Russell) (invited symposium article).
40. *How Businesses Can Promote Cyber Peace*, 36 UNIVERSITY OF PENNSYLVANIA JOURNAL OF INTERNATIONAL LAW 353 (2015) (with Timothy Fort and Jamie Prenkert).
41. *Back to the Future of Internet Governance?*, GEORGETOWN JOURNAL OF INTERNATIONAL AFFAIRS 83 (2015) (with Jackie Kerr, Elaine Korzak, Andreas Kuehn, and Enrique Oti) (invited piece published by the Edmund A. Walsh School of Foreign Service at Georgetown University).
42. *Using BITs to Protect Bytes: Promoting Cyber Peace and Safeguarding Trade Secrets through Bilateral Investment Treaties*, 52 AMERICAN BUSINESS LAW JOURNAL 1 (2015) (with Eric Richards, Anjanette Raymond, & Amanda Craig) (lead article) (winner of the 2015 Hoeber Memorial Award honoring the most outstanding ABLJ article from the prior volume).
43. *Success Paths to Sustainable Manufacturing*, SPEA (2015) (with Shahzeen Attari, Sanya Carley, and Jerry Jasinowski).
44. *Building the Virtual Courthouse: Ethical Considerations for Design, Implementation, and Regulation in the World of ODR*, 2014 WISCONSIN LAW REVIEW 615 (with Anjanette Raymond).
45. *Business, Human Rights, and the Promise of Polycentricity*, 47 VANDERBILT JOURNAL OF TRANSNATIONAL LAW 451 (2014) (with Jamie Prenkert).
46. *Technology, Ethics And Access To Justice: Should An Algorithm Be Deciding Your Case?*, 35 MICHIGAN JOURNAL OF INTERNATIONAL LAW 101 (2014) (with Anjanette Raymond).
47. *Beyond the New 'Digital Divide': Analyzing the Evolving Role of Governments in Internet Governance and Enhancing Cybersecurity*, 50 STANFORD JOURNAL OF INTERNATIONAL LAW 119 (2014) (with Amanda Craig) (invited symposium article).

48. *Hacking the Planet, the Dalai Lama, and You: Managing Technical Vulnerabilities in the Internet through Polycentric Governance*, 24 FORDHAM INTELLECTUAL PROPERTY, MEDIA & ENTERTAINMENT LAW JOURNAL 381 (2014) (with Amanda Craig).
49. *Neither Magic Bullet Nor Lost Cause: Land Titling and the Wealth of Nations*, 21 NEW YORK UNIVERSITY ENVIRONMENTAL LAW JOURNAL 272 (2014).
50. *Governing the Final Frontier: A Polycentric Approach to Managing Space Weaponization and Debris*, 51 AMERICAN BUSINESS LAW JOURNAL 429 (2014).
51. *Toward Cyberpeace: Managing Cyber Attacks through Polycentric Governance*, 62 AMERICAN UNIVERSITY LAW REVIEW 1273 (2013).
52. *Should Your Firm Invest in Cyber Risk Insurance?*, 55 BUSINESS HORIZONS 349 (July-Aug. 2012).
53. *Fragile Merchandise: A Comparative Analysis of the Privacy Rights of Public Figures*, 19 AMERICAN BUSINESS LAW JOURNAL 125 (2012).
54. *Was Selden Right? The Expansion of Closed Seas and its Consequences*, 47 STANFORD JOURNAL OF INTERNATIONAL LAW 1 (2011) (lead article).
55. *The Tragedy of the Common Heritage of Mankind*, 28 STANFORD ENVIRONMENTAL LAW JOURNAL 109 (2009).
56. *From Net War to Nuclear War: Analogizing Cyber Attacks in International Law*, 27 BERKELEY JOURNAL OF INTERNATIONAL LAW 192 (2009) (cited more than 100 times as of March 2015).
57. *Cyber Peace*, ROCKY MOUNTAIN LAW JOURNAL PROCEEDINGS (2011).
58. *Estonia Three Years Later: A Progress Report on Combating Cyber Attacks*, 13 JOURNAL OF INTERNET LAW 22 (2010).
59. *Legally Incompetent: A Research Note*, 49 AMERICAN JOURNAL OF LEGAL HISTORY 321 (2009) (with Lawrence M. Friedman).
60. *Habeas Corpus Writ of Liberty, Boumediene and Beyond*, 57 CLEVELAND STATE LAW REVIEW 671 (2009).
61. *From Asian Politics to Astropolitics: The History and Future Shape of Asian Space Policy*, 58 PROCEEDINGS OF THE INTERNATIONAL ASTRONAUTICAL FEDERATION (2007).
62. *Nuclear Power: The Nucleus of Energy Independence? An Analysis of International Energy Policy*, 15 ISSUES IN POLITICAL ECONOMY (2006).
63. *Go or No Go: The Future of Manned Space Flight*, PROCEEDINGS OF THE SPACE EXPLORATION CONFERENCE (2005).

BOOK CHAPTERS, COMMENTS & REVIEWS

64. *Should Cybersecurity Be a Human Right*, in MUSIC, BUSINESS AND PEACEBUILDING (Routledge Press, Timothy L. Fort ed., 2020).
65. *Internet Governance in the Digital Cold War*, in THE CAMBRIDGE HANDBOOK OF COMMONS RESEARCH INNOVATIONS (Cambridge University Press, Chrystie Swiney & Sheila Foster, 2020) (with Angie Raymond).
66. *Governing the Internet of Everything*, in PRIVACY AS KNOWLEDGE COMMONS GOVERNANCE (Cambridge University Press, Brett Frischmann et al. eds., 2020).
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79. 36 INTERNATIONAL JOURNAL OF LEGAL INFORMATION (2008) (reviewing J. PAUL LOMIO AND HENRIK SPANG-HANSEN, LEGAL RESEARCH METHODS IN THE U.S. AND EUROPE).
80. 43 STANFORD JOURNAL OF INTERNATIONAL LAW 329 (2007) (reviewing OBJIOFOR AGINAM, GLOBAL HEALTH GOVERNANCE: INTERNATIONAL LAW AND PUBLIC HEALTH IN A DIVIDED WORLD).

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154. *Space, Power, and Politics in Asia*, INSTITUTE FOR PEACE AND CONFLICT STUDIES #2330 (July 4, 2007).

CONGRESSIONAL STATEMENTS & REPORTS

155. Invited Written Statement for the Record of Professors Scott Shackelford and Steve Myers, U.S. Senate Committee on Commerce, Science, and Transportation Hearing, “The Promises and Perils of Emerging Technologies for Cybersecurity” (Mar. 22, 2017), <http://www.commerce.senate.gov/public/index.cfm/2017/3/the-promises-and-perils-of-emerging-technologies-for-cybersecurity>.
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WORKS IN PROGRESS

157. *Have You Updated Your Toaster? Transatlantic Approaches to Governing the Internet of Everything*
158. *Governing AI*
159. *Cyber Silent Spring*

CITATION STATISTICS AS OF JANUARY 2019

SSRN

The Social Science Research Network (SSRN) is the largest interdisciplinary social science academic network in the world with more than 500,000 papers uploaded as of October 2016.

- **Author Rank** – 1,305 out of 433,422 (**top .03%**)
- **Author Rank from last 12 Months** – 642
- **Total Paper Downloads** – 20,848
- **Total Abstract Views** – 93,823
- **Sample of Professors Citing Work** – Professor Oona Hathaway, Yale Law School; Professor Mary Ellen O’Connell, University of Notre Dame Law School; Professor Catherine Lotrionte, Georgetown University; Lawrence Gordon, University of Maryland Business School
- **Sample of Outlets in which Scholarship has been Cited** – *Harvard Law Review*, *University of Chicago Law Review*, *University of Pennsylvania Law Review*, *Georgetown Law Review*, *George Washington Law Review*, *Yale Journal of International Law*

BEPRESS

Bepress, formerly the Berkeley Electronic Press, was established by academics in 1999 and today acts as both a substantial research database and submissions engine.

- **Total Paper Downloads** – 13,512
- **Total Search Queries** – 1,931

GOOGLE SCHOLAR

Google Scholar provides live citation tracking across numerous compendiums and platforms.

- **Total Citations** – 1,243
- **H-Index** – 18
- **I10-Index** - 27

PRESENTED PAPERS

CYBER PEACE WORKSHOP

Presenter & Moderator, Nov. 21-22, 2019

New York City, NY

- ❖ Presented paper, *Inside the Global Drive for Cyber Peace*, along with moderating a panel on shared governance in cyberspace, and co-hosted the overall conference with NYU and Paris VIII Universities

BEIJING FORUM

Presenter, Nov. 3, 2019

Beijing, China

- ❖ Presented paper, *Governing AI*, as part of the Humanity and Legal Governance in the Digital Era track of the Beijing Forum, which was hosted by Peking University

5TH CHINA WORKSHOP IN INSTITUTIONAL ANALYSIS OF SOCIAL-ECOLOGICAL SYSTEMS

Presenter, Nov. 3, 2019

Hangzhou, China

- ❖ Presented on the Ostrom Workshop along with my new book, *Governing New Frontiers in the Information Age: Towards Cyber Peace*, as part of this multi-disciplinary workshop on commons governance co-hosted by the Ostrom Society of China and Zhejiang University

NAVIGATING THE BACKLASH AGAINST GLOBAL LAW & INSTITUTIONS

Presenter, Oct. 15, 2019

Bloomington, IN

- ❖ Presented new book, *Governing New Frontiers in the Information Age: Towards Cyber Peace*, along with my work on cyber peace as part of a conference organized by IU's Hamilton-Lugar School and Australia National University

NORTH AMERICA KEYNOTE, IASC WORLD COMMONS WEEK

Presenter, Oct. 9, 2019

Bloomington, IN

- ❖ Presented new book, *Governing New Frontiers in the Information Age: Towards Cyber Peace*, as part of the International Association for the Study of the Commons (IASC) World Commons Week

SMART REGIONS: BUILDING A HUMAN-CENTERED KNOWLEDGE COMMONS

Presenter, Oct. 4, 2019

Dallas, TX

- ❖ Presented research on securing smart cities at this co-hosted conference organized by Virginia Tech and the IU Ostrom Workshop

CYBER FUTURE FOUNDATION SUMMIT

Presenter, Oct. 3, 2019

Dallas, TX

- ❖ Presented cyber peace research to a multi-disciplinary group of academics, practitioners, and activities focused on improving global cybersecurity

UNIVERSITY OF OSLO FACULTY OF LAW SIGNAL SYMPOSIUM

Presenter, Sept. 12, 2019

Oslo, Norway

- ❖ Presented research on defending democracy, focusing on election security and disinformation, to a multidisciplinary gathering of experts funded by the European Union

ACADEMY FOR LEGAL STUDIES IN BUSINESS NATIONAL CONFERENCE

Presenter, Aug. 10, 2019

Montreal, Canada

- ❖ Presented on cyber peace research virtually as part of a panel focusing on private governance trends across a number of legal fields

WORKSHOP ON THE WORKSHOP

Presenter, June 19, 2019

Bloomington, IN

- ❖ Presented a new book chapter, “Governing the Internet of Everything,” which is forthcoming in a Cambridge University Press edited volume, “Privacy Knowledge Commons”
- ❖ Briefed participants on the Ostrom Workshop Program on Cybersecurity and Internet Governance

U.S. HOUSE OF REPRESENTATIVES MANUFACTURING CAUCUS

Presenter, Mar. 7, 2019

Washington, DC

- ❖ Presented an invited paper to the House Manufacturing Caucus on managing cyber and privacy risks in the Industrial Internet of Things, entitled “Smart Factories, Dumb Policy?”

LOYOLA UNIVERSITY CHICAGO SCHOOL OF LAW

Presenter, Feb. 8, 2019

Chicago, IL

- ❖ Presented research on comparative Internet of Things (IoT) governance to this special symposium hosted by the *Loyola International Law Review*

U.S. CHAMBER OF COMMERCE CYBERSECURITY WORKING GROUP

Presenter, Oct. 24, 2018

Bloomington, IN

- ❖ Presented “Rethinking Active Defense” working draft to the U.S. Chamber of Commerce

TOWARD A POLICY ROADMAP FOR SMART FACTORIES: INFORMATION GOVERNANCE

Presenter, Oct. 19, 2018

Washington, DC

- ❖ Presented an invited paper on managing cyber and privacy risks in the industrial Internet of things, entitled “Smart Factories, Dumb Policy?”

GEORGETOWN UNIVERSITY: CELEBRATING COMMONS SCHOLARSHIP

Presenter, Oct. 5, 2018

Washington, DC

- ❖ Presented material from *Governing New Frontiers in the Information Age: Toward Cyber Peace* with an emphasis on lessons from global commons governance as applied to cyberspace, which is co-sponsored by IASC World Commons Week

FLETCHER SCHOOL OF LAW AND DIPLOMACY

Presenter, Sept. 14, 2018

Medford, MA

- ❖ Presented “Have You Updated Your Toaster? Transatlantic Approaches to Governing the Internet of Everything” with co-author Scott Bradner of Harvard for this conference entitled “Protecting Civilian Institutions and Infrastructure from Cyber Operations: Designing

International Law and Organizations,” which was hosted by Tufts and published by the *European Journal of International Law*

ACADEMY FOR LEGAL STUDIES IN BUSINESS NATIONAL CONFERENCE

Presenter, Aug. 11, 2018 Portland, OR

- ❖ Presented cybersecurity research virtually in the field of technology and regulation with an emphasis on cybersecurity due diligence and Internet of Things trends

UNIVERSITY OF MINNESOTA LAW SCHOOL CYBERSECURITY SYMPOSIUM

Presenter, Mar. 1, 2018 Minneapolis, MN

- ❖ Invited by the *University of Minnesota Journal of Law, Science and Technology* to write and present “Securing the Internet of Healthcare”

ALBANY LAW SCHOOL CYBERSECURITY SYMPOSIUM

Presenter, Oct. 19, 2017 Albany, NY

- ❖ Presented research on securing the Internet of Things drawn from “When Toasters Attack” article and related Congressional testimony

ACADEMY FOR LEGAL STUDIES IN BUSINESS NATIONAL CONFERENCE

Presenter, Aug. 10, 2017 Savannah, GA

- ❖ Presented cybersecurity research virtually focusing on how to make U.S. companies harder to hack and the role that government can play in mitigating cyber risk

UNIVERSITY OF ICELAND CYBERWARFARE AND ARTIFICIAL INTELLIGENCE CONFERENCE

Presenter, Aug. 1-3, 2017 Reykjavik, Iceland

- ❖ Presented research on making democracy harder to hack to an invitation-only group of interdisciplinary scholars focused on cyberwarfare, international law, and artificial intelligence

NATO COOPERATIVE CYBER DEFENCE CENTRE OF EXCELLENCE CYCON

Presenter, May 30, 2017 Tallinn, Estonia

- ❖ Presented research on national cybersecurity strategies and how to make critical infrastructure, particularly voting systems, more secure to a group of international policymakers drawn from NATO nations

MUSIC AND PEACE CONFERENCE

Presenter, May 12, 2017 Bloomington, IN

- ❖ Presented cyber peace research focusing on the interdisciplinary nature of cybersecurity risk management and the applicability of music theory to managing cyber attacks

UNIVERSITY OF NEBRASKA LAW SCHOOL

Presenter, Mar. 16, 2017 Lincoln, NE

- ❖ Invited to present *From Russia with Love* at a Nebraska Law School cybersecurity forum focused on critical infrastructure protection

PALM SPRINGS PACIFIC SOUTHWEST ACADEMY OF LEGAL STUDIES IN BUSINESS

Presenter, Feb. 17, 2017 Palm Springs, CA

- ❖ Invited to present *Making Democracy Harder to Hack* to this interdisciplinary gathering of legal studies scholars

UNIVERSITY OF MICHIGAN LAW SCHOOL

Presenter, Feb. 10, 2017 Ann Arbor, MI

- ❖ Invited to present *Human Rights and Cybersecurity Due Diligence: A Comparative Study* as part of a cybersecurity symposium organized by the MICHIGAN JOURNAL OF LAW *Reform*

MAURER SCHOOL OF LAW

Presenter, Feb. 1, 2017

Bloomington, IN

- ❖ Presented critical infrastructure cybersecurity research focusing on election security in Maurer’s Faculty Workshop Series

UNIVERSITY OF MARYLAND THIRTEENTH ANNUAL CYBERSECURITY FORUM

Presenter, Jan. 11, 2017

College Park, MD

- ❖ Competitively selected to present *Making Democracy Harder to Hack* for this forum entitled Financial Information Systems and Cybersecurity: A Public Policy Perspective, which brings together academics, policymakers, and defense contractors in the DC area

UNIVERSITY OF NORTH CAROLINA LAW SCHOOL

Presenter, Nov. 4, 2016

Chapel Hill, NC

- ❖ Presented *iGovernance: The Future of Multi-Stakeholder Internet Governance in the Wake of the Apple Encryption Saga* at UNC’s symposium on ‘Cyberwarfare and International Law’

SECURITY OF THINGS FORUM

Presenter, Oct. 27, 2016

Washington, DC

- ❖ Presented two papers—*When Toasters Attack* and *How to Make Democracy Harder to Hack*—at this leading industry forum organized by the *Christian Science Monitor* that regularly brings together thought leaders around Internet of Things security issues

U.S. NAVAL ACADEMY CYBERSECURITY CONFERENCE

Presenter, Oct. 18, 2016

Annapolis, MD

- ❖ Presented research on cybersecurity due diligence and the NIST Cybersecurity Framework at an invitation-only gathering entitled *Developing a Normative Framework for Cyberwarfare*, which was comprised of cybersecurity experts from philosophy, ethics, law, and technology

ACADEMY FOR LEGAL STUDIES IN BUSINESS NATIONAL CONFERENCE

Presenter, Aug. 8, 2016

San Juan, Puerto Rico

- ❖ Presented *Collective Action and the Future of Socially Responsible Corporate Law: Unpacking the Rise of Benefit Corporations* with co-author Virginia Tech Professor Janine Hiller

PREVENTING AND COMBATING CYBERCRIME

Presenter, May 20-21, 2016

Cluj-Napoca, Romania

- ❖ Invited to participate in this cybersecurity conference co-sponsored by the U.S. Secret Service; Faculty of Law, Babes-Bolyai University; the the Embassy of the Kingdom of the Netherlands in Romania; the Romanian Data Protection Authority; and Western Union
- ❖ Presented research on the spread of bottoms-up cybersecurity governance focusing on the EU

BUSINESS HORIZONS PEACE FORUM

Presenter, May 2016

Bloomington, IN

- ❖ Invited to present “Businesses and Cyber Peace: We Need You!” as part of an online conference forum by Professor Timothy Fort as part of a special edition of *Business Horizons* focused on businesses and peacebuilding

CYBERSECURITY FORUM FOR INDEPENDENT AND EXECUTIVE BRANCH REGULATORS

Presenter, Apr. 21, 2016

Washington, DC

- ❖ Invited to present paper investigating the utility of bottoms-up cybersecurity governance in addressing the cyber risk faced by executive branch agencies to a multi-stakeholder gathering that included representatives from the Securities and Exchange Commission, Comptroller of the Currency, and the Department of Commerce, among other agencies

NATIONAL INSTITUTE FOR DEVELOPMENT ADMINISTRATION (NIDA)

Presenter, Mar. 31, 2016 Bangkok, Thailand

- ❖ Member of official IU delegation that included President Michael McRobbie celebrating the 50th anniversary of NIDA, a leading university in Thailand, which IU helped to start in 1966
- ❖ Invited to present “Sustainable Cybersecurity” on applying lessons from the sustainability movement to mitigating cyber risk

**ZICKLIN CENTER NORMATIVE BUSINESS ETHICS WORKSHOP, WHARTON SCHOOL,
UNIVERSITY OF PENNSYLVANIA**

Presenter, Feb. 5, 2016 Philadelphia, PA

- ❖ Invited to present a paper on applying notions from normative ethics and corporate social responsibility to the problem of managing cyber attacks

CHAPMAN UNIVERSITY SCHOOL OF LAW

Presenter, Jan. 29, 2016 Orange, CA

- ❖ Invited to present a paper on protecting intellectual property and privacy in the digital age for this *Chapman Law Review* Symposium

ACADEMY FOR LEGAL STUDIES IN BUSINESS NATIONAL CONFERENCE

Presenter, Aug. 8-10, 2015 Philadelphia, PA

- ❖ Presented *The Little Angel on Your Shoulder: Prompting Employees to Do the Right Thing Through the Use of Wearables* with co-author Anjanette Raymond
- ❖ Presented the winner of the ALSB Bunche Award that recognizes exceptional unpublished original legal research in the area of international business law at the conference banquet

COLLOQUIUM ON LEGAL AND ETHICAL DIMENSIONS OF PREDICTIVE DATA ANALYSIS

Author & Participant, Apr. 17-18, 2015 Bloomington, IN

- ❖ Participated in discussions, and our paper *The Little Angel on Your Shoulder: Prompting Employees to Do the Right Thing Through the Use of Wearables*—with co-authors Professors Anjanette Raymond and Timothy Fort—was presented to this leading, interdisciplinary group of predictive analytics experts

**CASE WESTERN LAW SCHOOL 2015 CANADA-UNITED STATES LAW INSTITUTE CONFERENCE:
THE DIGITAL BORDER**

Presenter, Mar. 19-20, 2015 Cleveland, OH

- ❖ Invited to draft and present a paper on securing North American critical infrastructure focused on the 2014 NIST Cybersecurity Framework, which will appear in the *US-Canada Law Journal*

FLORIDA INTERNATIONAL UNIVERSITY LAW SCHOOL AVIATION AND SPACE LAW SYMPOSIUM

Presenter, Feb. 20, 2015 Miami, FL

- ❖ Invited by the *Florida International University Law Review* to develop a paper on cybersecurity in the aerospace sector and present it at this symposium

UNIVERSITY OF MINNESOTA LAW SCHOOL CYBERSECURITY SYMPOSIUM

Presenter, Feb. 10, 2015 Minneapolis, MN

- ❖ Invited by the *University of Minnesota Journal of International Law* to present two papers on cyber risk insurance and the intersection between free trade and Internet governance at the symposium, “International Law and the Internet: Data Security, Privacy, and Freedom of Speech”

UNIVERSITY OF MARYLAND ELEVENTH ANNUAL CYBERSECURITY FORUM

Presenter, Jan. 14, 2015 College Park, MD

- ❖ Competitively selected to present cyber risk mitigation research for this forum entitled Financial Information Systems and Cybersecurity: A Public Policy Perspective, which brings together academics, policymakers, and defense contractors in the DC area

NATO CYBERSECURITY CONFERENCE

Presenter, Dec. 17-18, 2014 Tallinn, Estonia

- ❖ Invited to present at NATO conference focusing on the economics of national cybersecurity strategies including an analysis of the benefits and drawbacks of cyber risk insurance

ACADEMY FOR LEGAL STUDIES IN BUSINESS NATIONAL CONFERENCE

Presenter, Aug. 7, 2014 Seattle, WA

- ❖ Presented *Sustainable Cybersecurity*, co-authored with Professors Jamie Prenkert and Tim Fort
- ❖ Presented *Jury Glasses: Wearable Technology and its Role in Crowdsourcing Justice* with co-author Professor Anjanette Raymond

INTANGIBLE WEAPONS AND INVISIBLE ENEMIES: APPLYING INTERNATIONAL LAW TO CYBER WARFARE, TEXAS INTERNATIONAL LAW JOURNAL’S SYMPOSIUM

Presenter, Mar. 6-7, 2014 Austin, TX

- ❖ Invited to present cybersecurity research and contribute a symposium paper on developing a law of cyber war and peace at this gathering of leading international cyber law scholars

PACIFIC SOUTHWEST ACADEMY OF LEGAL STUDIES IN BUSINESS MEETING

Presenter, Feb. 14-15, 2014 Palm Springs, CA

- ❖ Presented a paper on the role of the private sector in promoting cyber peace at this regional ALSB conference

2014 HUBER HURST RESEARCH IN LEGAL STUDIES AND ETHICS SEMINAR

Presenter, Feb. 8-9, 2014 Gainesville, FL

- ❖ Competitively selected to present a work-in-progress paper on the role of the private sector in enhancing cybersecurity at this intercollegiate gathering of leading business law scholars

BIG TEN AND FRIENDS BUSINESS LAW RESEARCH SEMINAR

Presenter, Nov. 15-16, 2013 Indianapolis, IN

- ❖ Invited to present a work-in-progress paper entitled *How Businesses Can Promote Cyber Peace* at this intercollegiate gathering of business law and ethics experts

ACADEMY FOR LEGAL STUDIES IN BUSINESS NATIONAL CONFERENCE

Presenter, Aug. 8, 2013 Boston, MA

- ❖ Presented paper entitled *Governing the Final Frontier: A Polycentric Approach to Managing Space Weaponization and Debris*, which was published by the *American Business Law Journal* and won the 2013 ALSB Outstanding Proceedings Paper Award

THE VIRTUAL BATTLEFIELD: SECURING CYBERSPACE IN A WORLD WITHOUT BORDERS

Invited Speaker & Chair, Apr. 11-12, 2013 Stanford, CA

- ❖ Advised *Stanford Journal of International Law* staff on symposium topics and organization
- ❖ Introduced Keynote Speaker, Dr. Hamadoun Touré, Secretary General of the International Telecommunication Union
- ❖ Panelist on “Unpacking the Cyber Threat” presenting research on the evolving cyber threat
- ❖ Chaired panel entitled “The Promise and Pitfalls of Multilateral Cooperation for Cybersecurity” featuring Dr. Touré, Howard Schmidt (former cybersecurity coordinator for the Obama Administration), and Prof. Xiao Qiang of UC Berkeley

SWEDISH NATIONAL DEFENSE COLLEGE, INTERNATIONAL LAW CENTER

Presenter, Dec. 6-7, 2012 Stockholm, Sweden

- ❖ Invited to present on the practice and potential of state-sponsored cyber attacks under international law as part of a special symposium on the legal aspects of cyber warfare

SOUTHEAST ACADEMY OF LEGAL STUDIES IN BUSINESS

Presenter, Nov. 9, 2012 Miami, FL

- ❖ Presented research published in the *American University Law Review* on enhancing cybersecurity through polycentric governance

AMERICA THE VIRTUAL: SECURITY, PRIVACY AND INTEROPERABILITY IN AN INTERCONNECTED WORLD

Invited Faculty Participant, Oct. 25, 2012 Washington, D.C.

- ❖ Invited to participate in one-day conference on issues in cybersecurity focusing on the U.S. regulatory landscape organized by the *American University Law Review* and hosted by Hogan Lovells LLP

AMERICAN BUSINESS LAW JOURNAL INVITED SCHOLARS COLLOQUIUM

Presenter, Aug. 11, 2011 New Orleans, LA

- ❖ Competitively selected to present a paper on the role of property rights in economic development with a panel of imminent business law scholars

CENTER FOR APPLIED CYBERSECURITY RESEARCH HIGHER EDUCATION SUMMIT

Presenter, Apr. 12, 2011 Indianapolis, IN

- ❖ Invited to speak at this flagship meeting of over 150 cybersecurity professionals on the topic of catching cyber criminals and exploring ways to promote cyber peace

ROCKY MOUNTAIN ACADEMY OF LEGAL STUDIES IN BUSINESS CONFERENCE

Presenter, Oct. 8-9, 2010 Vail, CO

- ❖ Presented revised paper on liability for cyber attacks

NATO CCDCOE CONFERENCE ON CYBER CONFLICT

Presenter, June 15-18, 2010 Tallinn, Estonia

- ❖ Presented on the difficulties of defining liability for cyber attacks under international law

58TH INTERNATIONAL ASTRONAUTICAL CONGRESS

Presenter, Oct. 7-14, 2007 Hyderabad, India

- ❖ Invited to present a paper on Asian space cooperation and conflict entitled *From Asian Politics to Astropolitics: The History and Future Shape of Asian Space Policy*, which was selected for expansion in the journal *Space Policy*

SPACE EXPLORATION CONFERENCE

Presenter, Apr. 6-10, 2005 Albuquerque, NM

- ❖ Invited to present senior honors thesis on the NASA Vision for Space Exploration entitled *Go or No Go: The Future of Manned Space Flight*; participation paid for by the Indiana Space Grant Consortium

OTHER CONFERENCE PARTICIPATION

WILLIAM + FLORA HEWLETT FOUNDATION GRANTEE CONFERENCE: THE GLOBAL NATURE OF CYBERSECURITY IN A CHANGING WORLD

Grantee & Discussant, June 21, 2019

La Jolla, CA

- ❖ Represented Indiana University in discussing our new Cybersecurity Clinic, which is being funded by Hewlett, and participated in discussions on the geopolitics of cybersecurity

SUMMIT ON THE ACADEMIC PROFESSION OF BUSINESS LAW

Discussant, May 30, 2019

Storrs, CT

- ❖ Presented on the utility and challenges of multidisciplinary research in the business law context to this gathering organized by the University of Connecticut

CONSUMER FINANCIAL DATA: REGULATORY ISSUES, CHALLENGES, AND SOLUTIONS OSTROM WORKSHOP ROUNDTABLE

Discussant, Apr. 4, 2019

Washington, DC

- ❖ Co-hosted this roundtable discussion on the regulatory environment and future of consumer data privacy and security with Seward & Kissel

WORKSHOP ON BUILDING A TRANSNATIONAL CYBER-ATTRIBUTION INSTITUTION

Discussant, Mar. 23, 2019

Toronto, Canada

- ❖ Participated in an invitation-only multi-disciplinary workshop organized by the University of Toronto and Georgia Tech on attributing state-sponsored cyber attacks

THE CORPORATE DILEMMA: BALANCING SOCIAL RESPONSIBILITY AND PROFITABILITY ACROSS BORDERS

Presenter, Feb. 19, 2019

Charlottesville, VA

- ❖ Presented research on cybersecurity, corporate governance, and social responsibility in the Digital Age as part of this conference hosted by the *Virginia Journal of International Law*

UN SECURITY COUNCIL ASIA ICT AND CT DIALOGUE

Invited Academic Expert, Nov. 7-8, 2018

Kuala Lumpur, Malaysia

- ❖ Invited academic expert by the UN Security Council staff to help inform the deliberations of Southeast Asian nations on the topics of counterterrorism and critical infrastructure protection

PRIVACY AS KNOWLEDGE COMMONS GOVERNANCE AT VILLANOVA UNIVERSITY

Presenter, Oct. 12-13, 2018

Villanova, PA

- ❖ Invitation-only workshop exploring complementarities between the study of privacy and the institutional analysis of knowledge sharing and production

SMART CITIES: SECURITY, PRIVACY, AND GOVERNANCE BEST PRACTICES

Presenter, Oct. 4, 2018

Bloomington, IN

- ❖ Presented research on governing the Internet of Everything with a focus on municipalities

BUILDING COMMON APPROACHES FOR CYBERSECURITY AND PRIVACY IN A GLOBALIZED WORLD

Presenter, Oct. 2, 2018

New York, NY

- ❖ Presented research on cybersecurity due diligence as it pertains to the European Union's General Data Protection Regulation (GDPR)

INDY BIG DATA

Presenter, Sept. 26, 2018

Indianapolis, IN

- ❖ Presented research on global IoT security highlighting relevant Ostrom Workshop initiatives

BUSINESS FIGHTS POVERTY

Panelist, July 20, 2018

Bloomington, IN

- ❖ Participated in an online discussion of how cultural forces, particularly music, can foster peace across an array of contexts including cybersecurity

GLOBAL CYBER THREATS: CORPORATE AND GOVERNMENTAL CHALLENGES TO PROTECTING PRIVATE DATA

Discussant, Apr. 6, 2018

New York, NY

- ❖ Invitation-only cybersecurity forum sponsored by the New York University School of Law on the mitigation of global cyber threats

CONSUMER RIGHTS IN THE DIGITAL AGE

Panelist, Mar. 26, 2018

Bloomington, IN

- ❖ Presented cybersecurity best practices in relation to the Equifax data breach

COUNCIL ON FOREIGN RELATIONS: THE UNITED STATES AND THE WORLD

Participant, Oct. 16, 2017

Washington, DC

- ❖ Participated in discussions regarding the future of bilateral, regional, and multilateral trade agreements given Trump Administration actions on NAFTA and the Trans Pacific Partnership (TPP)

DC CYBER WEEK

Participant, Oct. 16, 2017

Washington, DC

- ❖ Participated in cybersecurity simulations and discussions organized by Cyber Scoop

CRISIS CODE: HUMANITARIAN PROTECTION IN THE DIGITAL AGE

Invited Expert, Sept. 27, 2017

San Francisco, CA

- ❖ Participated in an interdisciplinary gathering co-sponsored by the Swiss Consulate and Policy Lab comprised of humanitarian practitioners and scholars to discuss cybersecurity and privacy rights in the digital age

SECURING CYBER SPACE CONCLAVE 2017

Speaker, July 14, 2017

New Delhi, India

- ❖ Invited to be the first speaker on the topic of cyber peace at the Global Conference on Cyber Space 2017 conference, which was co-hosted by the Government of India, the Policy Perspective Foundation, and the Cyber Peace Foundation

NOTRE DAME CONFERENCE ON DATA SECURITY

Speaker, Feb. 24, 2017

South Bend, IN

- ❖ Invited to present cybersecurity research at this interdisciplinary event co-sponsored by Notre Dame Law School, the Notre Office of Digital Learning, and the Reilly Center for Science, Technology, and Values

HARVARD LAW SCHOOL BERKMAN-KLEIN CENTER

Speaker & Panelist, Oct. 24, 2016

Cambridge, MA

- ❖ Presented on cybersecurity best practices for executives as part of Harvard Law School's Program on Digital Security for Directors and Senior Executives

BUSINESS FIGHTS POVERTY

Speaker, Oct. 19, 2016

Cambridge, MA

- ❖ Gave an online presentation and answered questions from participants based on my *Business Horizons* article, "Business and Cyber Peace: We Need You!" at the invitation of Business Fights Poverty and Professor Timothy L. Fort

CAMBRIDGE CYBER SUMMIT

Participant, Oct. 5, 2016

Cambridge, MA

- ❖ Invited to represent the Belfer Center at this multi-stakeholder gathering of cybersecurity professionals and media representatives organized by the Aspen Institute and CNBC

COUNCIL ON FOREIGN RELATIONS NORTH KOREA ROUNDTABLE

Participant, Sept. 28, 2016

Cambridge, MA

- ❖ Invited to participate in a roundtable discussion marking the release of a new Council report on North Korea strategy for the next administration

NATIONAL INSTITUTE OF JUSTICE (NIJ)

Expert Participant, May 31-June 1, 2016

Washington, DC

- ❖ Invited by the NIJ and RTI International to participate in an expert panel co-sponsored by the RAND Corporation on the potential impact of technology to enhance or inhibit due process rights

COUNCIL ON FOREIGN RELATIONS ACADEMIC OUTREACH INITIATIVE

Participant, Apr. 14-15, 2016

New York, NY

- ❖ Invited to participate in a gathering of international security professors organized by the Council on Foreign Relations to share pedagogical best practices

IU LIFE SCIENCES DAY

Co-organizer & Participant, Apr. 8, 2016

Bloomington, IN

- ❖ Helped organize an IU Life Sciences event focusing on cybersecurity in the medical device industry including lining up the keynote speaker and helping to identify potential panelists

NATIONAL INSTITUTE FOR STANDARDS AND TECHNOLOGY (NIST)

Presenter & Moderator, Apr. 6, 2016

Washington, D.C.

- ❖ Invited to present "Bottoms Up: A Comparison of 'Voluntary' Cybersecurity Frameworks" to a gathering of more than 1,000 stakeholders from industry, academic, and government
- ❖ Chaired a panel of leading experts from Japan, Italy, and Microsoft focused on the international implications of the 2014 NIST Cybersecurity Framework

CYBERSECURITY AND CHANGING NOTIONS OF POWER

Moderator, Jan. 20, 2016

Bloomington, IN

- ❖ Invited to moderate a discussion led by Vice President Fred Cate on how cybersecurity is reshaping international law and relations as part of the Center for the Study of Global Change *Global Positioning Series*

FIRST WEDNESDAYS: THE NOT-SO-PRIVATE LIVES OF HOOSIERS

Invited Faculty Expert, Dec. 2, 2015

Bloomington, IN

- ❖ Invited to participate as an expert academic in this roundtable discussion on “The Not-So-Private Lives of Hoosiers: How Technology is Threatening our Privacy,” which was co-organized by the American Civil Liberties Union and the *Herald Times*

SWP CYBERLAB, EUROPEAN PARLIAMENT

Invited Faculty Expert, Nov. 18, 2015

Brussels, Belgium

- ❖ Invited by the Permanent Representative of the Federal Republic of Germany to the European Union to prepare and present an academic input statement based on my cybersecurity due diligence research to a multi-stakeholder gathering of Members of the European Parliament, along with industry, NATO, and governmental representatives

XV GLOBAL BIENNIAL CONFERENCE OF THE INTERNATIONAL ASSOCIATION FOR THE STUDY OF COMMONS

Award Winner & Participant, May 28-30, 2015

Edmonton, Canada

- ❖ Invited to participate in this global IASC conference comprised of more than 300 experts on commons governance as a winner of the 2015 Elinor Ostrom Award for Collective Governance of Common Resources

ROUNDTABLE WITH CALIFORNIA LT. GOVERNOR GAVIN NEWSOM

Participant, Nov. 17, 2014

Stanford, CA

- ❖ Invited to participate in this Hoover Institution’s Leadership Forum focusing on catalyzing a dialogue between academics and state and federal policymakers, in this case with Lt. Governor Newsom in the realm of cybersecurity law and policy

COAST GUARD ROUNDTABLE DISCUSSION

Participant, Nov. 5, 2014

Stanford, CA

- ❖ Invited to participate in VADM Peter Neffenger, Vice Commandant of the Coast Guard’s discussion on the Coast Guard’s “Big Four” strategic themes: Energy, Climate Change Adaptation (Arctic Policy), Cyber, and Western Hemisphere Strategy

COUNCIL ON FOREIGN RELATIONS SEMINAR

Participant, Oct. 21, 2014

San Francisco, CA

- ❖ Invited to participate in “The Preventive Imperative: How America Can Avoid War and Stay Strong in the 21st Century” discussion led by John W. Vessey, senior fellow for conflict prevention and director of the Center for Preventive Action

COUNCIL ON FOREIGN RELATIONS SEMINAR

Participant, Sept. 11, 2014

San Francisco, CA

- ❖ Invited to participate in special CFR seminar discussing an independent task force’s report on Non-communicable Diseases

CENTER FOR APPLIED CYBERSECURITY RESEARCH CYBERSECURITY SUMMIT

Participant, June 19, 2014

Indianapolis, IN

- ❖ Participated in discussions of this flagship meeting of over 150 cybersecurity professionals on the topic of determining the identity of cyber criminals and ways to promote cyber peace
- ❖ Worked with Professor David Delaney to craft themes and find guests

CYBERPOLITIK IN THE POST-COMMUNIST ERA: THE INTERNATIONAL POLITICS OF THE INTERNET, CYBERSPACE, AND CYBERSECURITY

Co-convenor & Moderator, Apr. 4, 2014

Bloomington, IN

- ❖ Invited to co-convene an expert gathering of cybersecurity specialists on behalf of the Russian and East European Institute

CYBER SECURITY & THE GOVERNANCE GAP: COMPLEXITY, CONTENTION, COOPERATION

Invited Faculty Participant, Jan. 7, 2014 Cambridge, MA

- ❖ Invited to participate in joint Harvard-MIT workshop on cybersecurity law and policy and its interplay with Internet governance

TENTH FORUM ON “FINANCIAL INFORMATION SYSTEMS AND CYBERSECURITY: A PUBLIC POLICY PERSPECTIVE”

Invited Faculty Participant, Jan. 8, 2014 College Park, MD

- ❖ Invited to participate in public-private workshop focusing on issues related to President Obama's February 12, 2013 Executive Order on “Improving Critical Infrastructure Cybersecurity”

NOTRE DAME AND BYU: LEADING THE WAY IN ETHICS EDUCATION CONFERENCE

Participant, Nov. 22, 2013 Notre Dame, IN

- ❖ Invited to attend sessions from practitioners and ethics scholars on increasing coverage of ethics throughout the curriculum and strategies for engaging students with ethical problems

NATIONAL INSTITUTE FOR STANDARDS & TECHNOLOGY THIRD CYBERSECURITY FRAMEWORK WORKSHOP

Participant, July 10-12, 2013 San Diego, CA

- ❖ Participated in this workshop focusing on the creation of a cybersecurity framework for firms operating critical national infrastructure as required by Executive Order 13636, focusing remarks on the international dimension of this initiative

CYBER SECURITY AFTER STUXNET, A WORKSHOP ON LAW, POLICY, & TECHNOLOGY

Invited Faculty Participant, Feb. 22, 2013 Notre Dame, IN

- ❖ Invited to speak and participate in this workshop hosted by the University of Notre Dame Law School focusing on developments in cybersecurity law and policy, including the potential for a cyber weapons treaty and its impact on business and society

NINTH ANNUAL FORUM ON FINANCIAL INFORMATION SYSTEMS AND CYBERSECURITY: A PUBLIC POLICY PERSPECTIVE

Invited Faculty Participant, Jan. 16, 2013 College Park, MD

- ❖ Invited to participate in an interdisciplinary discussion of information security risk mitigation and its public policy implications

INTERNATIONAL STUDIES ASSOCIATION ANNUAL CONFERENCE

Chair, Apr. 1-4, 2012 San Diego, CA

- ❖ Chaired panel on challenges to governments from near and afar at the largest international relations conference in the world
- ❖ Paper on developments in cybersecurity law and policy competitively selected for “Not Your Dad’s Globalization: Technology and Illicit Networks” panel

ACADEMY OF LEGAL STUDIES IN BUSINESS NATIONAL CONFERENCE

Moderator, Aug. 10-13, 2011 New Orleans, LA

- ❖ Moderated session on corporate governance, attended presentations, and presented research

PACIFIC SOUTH WEST ACADEMY OF LEGAL STUDIES IN BUSINESS MEETING

Participant, Feb. 18-20, 2011 Palm Springs, CA

- ❖ Attended the regional conference, including participation in the Master Teacher symposium as well as academic presentations

TRI-STATE ACADEMY OF LEGAL STUDIES IN BUSINESS MEETING

Participant, Oct. 22, 2010 Bloomington, IN

- ❖ Attended the ALSB tri-state conference at Indiana University, including participation in the Master Teacher symposium as well as academic panels

ACADEMY OF LEGAL STUDIES IN BUSINESS NATIONAL CONFERENCE

Participant, Aug. 4-8, 2010 Richmond, VA

- ❖ Participated in academic presentations across a range of disciplines as well as the new faculty workshop

INTERNATIONAL INSTITUTE FOR STRATEGIC STUDIES WORKSHOP ON CYBERWARFARE

Participant, Apr. 20, 2010 London, England

- ❖ Invited to participate in roundtable discussion with leading government and industry representatives about outstanding issues in cybersecurity including the current form and future of cyberwarfare

UNITED NATIONS FRAMEWORK CONVENTION ON CLIMATE CHANGE

Student Observer, Dec. 7-18, 2009 Copenhagen, Denmark

- ❖ Attended the conference with Stanford professors as part of doctoral research
- ❖ Covered event for *Stanford Magazine*

UNITED NATIONS COMMITTEE FOR THE PEACEFUL USES OF OUTER SPACE (COPUOS)

Researcher, May 12-20, 2006 Vienna, Austria

- ❖ Attended COPUOS meeting to interview UN staff, as well as the UK, and U.S. delegations on space weaponization and development for doctoral dissertation

INTERNATIONAL SPACE UNIVERSITY

Participant, Dec. 9-13, 2005 Strasbourg, France

- ❖ Awarded Cambridge European Trust scholarship to interview space policymakers and academics for doctoral dissertation

INTERNATIONAL YOUTH LEADERSHIP CONFERENCE

Participant, Dec. 12-17, 2004 Prague, Czech Republic

- ❖ Indiana University's representative at this conference focusing on Bosnian war crime trials and nuclear power in Europe

VISITING SCHOLAR

- ❖ Harvard University Kennedy School of Government (September 2016-February 2017)
- ❖ Stanford Law School (Aug. 2014 – Present)
- ❖ National Institute for Development Administration (NIDA) in Bangkok, Thailand (June 2016)
- ❖ Australian National University (Aug. 2011)

INVITED TALKS

BLOOMINGTON ROTARY CLUB

Dec. 10, 2019 Bloomington, IN

- ❖ Presented on cyber peace research and IU's related efforts to the Bloomington Rotary Club

MANDELA FELLOWS*July 24, 2019*

Bloomington, IN

- ❖ Invited by the Office of the Vice President for International Affairs to organize and present as part of a panel of experts exploring cybersecurity and community development to a visiting group of outstanding community leaders from across 16 sub-Saharan African nations

GREAT DECISIONS*Apr. 18, 2019*

Columbus, IN

- ❖ Presented research on Cyber Conflict and Geopolitics as part of the Great Decisions series presented by IU-Columbus and the Pitman Institute for Aging Well

THE FUTURE OF PRIVACY IN THE DIGITAL AGE*Apr. 17, 2019*

Bloomington, IN

- ❖ Moderated a panel of practitioners and academic experts on the future of privacy that was co-sponsored by CSRES and the Ostrom Workshop

BREXIT RECAP: RAMIFICATIONS FOR U.S. POLITICS, ECONOMICS, AND CYBER SECURITY*Apr. 15, 2019*

Bloomington, IN

- ❖ Presented on a panel of IU experts to a diverse audience on the implications of Brexit

IU LIVELONG LEARNING SYMPOSIUM*Feb. 22, 2019*

Bloomington, IN

- ❖ Presented to IU Lifelong Learning participants on Cybersecurity 101

SERVICE CLUB OF INDIANAPOLIS*Jan. 28, 2019*

Indianapolis, IN

- ❖ Presented a talk on how all of us can help our elections more secure, and our democracy harder to hack

KELLEY FAMILY LEADERSHIP COUNCIL*Jan. 25, 2019*

Bloomington, IN

- ❖ Briefed the Kelley Family Leadership Council on IU's Cybersecurity Program and our efforts to help make democracy harder to hack

GRIFFITH FOUNDATION & THE NATIONAL CONFERENCE OF STATE LEGISLATORS*Dec. 19, 2018*

Bloomington, IN

- ❖ Briefed state-level policymakers and their staffs on trends in cyber risk mitigation with a focus on the insurance industry

ELECTION SECURITY BRIEFING*Oct. 15, 2018*

Bloomington, IN

- ❖ Briefed a visiting delegation of European Union officials on U.S. efforts to make democracy harder to hack at the invitation of the U.S. State Department

US PAN ASIAN AMERICAN CHAMBER OF COMMERCE*Oct. 9, 2018*

Bloomington, IN

- ❖ Taught a webinar on cybersecurity best practices for small businesses

IU MINI UNIVERSITY*June 11, 2018*

Bloomington, IN

- ❖ Taught a short course on making democracy harder to hack

INDIANA INTERNATIONAL MANAGEMENT INSTITUTE

May 23, 2018

Bloomington, IN

- ❖ Presented cybersecurity research to International Executive MBA segment conducted in cooperation with the Steinbeis University Berlin/Stuttgart

GREAT DECISIONS

May 8, 2018

Columbus, IN

- ❖ Presented research on making democracy harder to hack as part of the Great Decisions series presented by IU-Columbus and the Pitman Institute for Aging Well

S305: TECHNOLOGY INFRASTRUCTURE

Mar. 29, 2018

Bloomington, IN

- ❖ Guest lectured on cybersecurity risk management best practices

UN SECURITY COUNCIL COUNTER-TERRORISM COMMITTEE EXECUTIVE DIRECTORATE

Jan. 24, 2018

Bangkok, Thailand

- ❖ Invited to present research on securing critical infrastructure and the Internet of Things before the Executive Directorate of the UN Security Council

YALE LAW SCHOOL

Nov. 14, 2017

New Haven, CT

- ❖ Invited by the Information Security Project at Yale to speak at a special forum entitled, “Hijacking Information: Software Vulnerabilities, Ransomware, and Law”

COUNSEL ON STATE GOVERNMENTS (CSG) & THE GRIFFITH FOUNDATION

Nov. 2, 2017

San Francisco, CA

- ❖ Invited by the Griffith Foundation and CSG to brief a group of state-level lawmakers and staffers from across the country on trends in cybersecurity risk management with a particular focus on cyber risk insurance

HOOSIER ENERGY

Oct. 9, 2017

Bloomington, IN

- ❖ Invited to present to the Hoosier Energy Board of Directors on IU cybersecurity resources and research focusing on cybersecurity due diligence, cyber risk insurance, and critical infrastructure protection

IU CYBERSECURITY KICKOFF

Sept. 14, 2017

Bloomington, IN

- ❖ Presented survey of Internet governance and cybersecurity risk management offerings at IU through the Ostrom Workshop and integrated Cybersecurity Program

ALGEBRA UNIVERSITY

May 11, 2017

Zagreb, Croatia

- ❖ Presented election security research as it pertains to voting machine manufacturers and the news media to an interdisciplinary group of managers, faculty, and students

BABES-BOLYAI UNIVERSITY

May 9, 2017

Cluj-Napoca, Romania

- ❖ Presented international law research on critical infrastructure protection and election security to a gathering of cybersecurity scholars and law students

LAWRENCE LIVERMORE NATIONAL LABS

Apr. 3, 2017

Livermore, CA

- ❖ Presented research on cybersecurity due diligence as it pertains to securing elections

SCIENCE ON TAP

Mar. 28, 2017

Bloomington, IN

- ❖ Presented cybersecurity research at Upland Brewery as part of a new organization designed for professors and researchers at IU to communicate their ideas to the greater Bloomington community

IU HONORS COLLEGE LUNCH & LEARN PROGRAM

Mar. 24, 2017

Bloomington, IN

- ❖ Presented to a group of honors students on how to make democracy harder to hack

CENTER FOR THE STUDY OF GLOBAL CHANGE

Mar. 3, 2017

Bloomington, IN

- ❖ Presented on the topic of best practices in pursuing interdisciplinary academic careers for the Graduate Student Study Group in Global Studies

KELLEY EXECUTIVE PARTNERS CYBERSECURITY SERIES

Mar. 2 & 9, 2017

Bloomington, IN

- ❖ Presented two webinars—*Cybersecurity 101 for Managers*, and *Unpacking Cybersecurity Due Diligence*—for a diverse group of IU alumni and Kelley Executive Partners

DELOITTE DELIVER UNCOMPROMISED WORKING GROUP: INTERNATIONAL NORMS

Mar. 2, 2017

Washington, DC

- ❖ Presented cybersecurity due diligence research as a subject matter expert on the international norms working group for a U.S. Department of Defense supply chain security review

CENTER ON AMERICAN AND GLOBAL SECURITY

Feb. 28, 2017

Bloomington, IN

- ❖ Presented election security research as part of a panel entitled ‘Cyber Securi-Tea: Lessons and Next Steps After the 2016 Election,’ hosted by the IU School for Global and International Studies

SECURITY REGISTER

Nov. 15, 2016

Cambridge, MA

- ❖ Presented on enhancing cybersecurity within the Internet of Things focusing on security elections to this interdisciplinary industry-academic group with more than 1,200 members

INDIANA LAWYER

Oct. 25, 2016

Indianapolis, IN

- ❖ Presenter on cybersecurity trends and opportunities for a special session organized by the *Indiana Lawyer* and the Indianapolis Bar Association entitled, ‘Practicing Law in Indiana: Cybersecurity’

DEPARTMENT OF HOMELAND SECURITY (DHS)

Oct. 14, 2016

Seattle, WA

- ❖ Invited by the State of Washington and DHS to provide a keynote address for the kickoff of National Cybersecurity Awareness Month, which took the form of a recorded presentation on managing cyber risk in an era of big data

HARVARD DEMOCRATS

Oct. 11, 2016

Cambridge, MA

- ❖ Presented as a panelist on the topic of U.S. cybersecurity policymaking for the next President

NATIONAL INSTITUTE FOR DEVELOPMENT ADMINISTRATION (NIDA)

June 14-19, 2016

Bangkok, Thailand

- ❖ Invited to teach an MBA class, as well as a doctoral seminar, at NIDA as part of the inaugural IU-NIDA faculty exchange, which also included a research collaboration with a NIDA professor, Associate Dean Danuvasin Charoen.

IU MINI UNIVERSITY

June 13, 2016

Bloomington, IN

- ❖ Invited to teach a short course on applying lessons from the sustainable development context to managing cyber attacks entitled, “Sustainable Cybersecurity”

NATIONAL CYBERSECURITY & PRIVACY POLICY ACADEMY – COUNCIL OF STATE GOVERNMENTS

May 26, 2016

Seattle, WA

- ❖ Invited by the Griffith Foundation, a non-profit corporation, to present on the topic of cyber risk insurance to a gathering of more than 30 state and federal policymakers

EYSTER EXCELLENCE IN TEACHING SERIES

May 13, 2016

Bloomington, IN

- ❖ Invited to present pedagogical and curricular innovations to interested Kelley faculty as part of the Kelley Cybersecurity Education Initiative

EUROPEAN PARLIAMENT

Nov. 18, 2015

Brussels, Belgium

- ❖ Invited to present a formal “academic input statement” summarizing my research on cybersecurity due diligence for high-level officials and Members of the European Parliament as part of a day-long event entitled, “The future of European Cyber Foreign and Security Policy: What role for the European Parliament?”

OSTROM WORKSHOP RESEARCH ROUNDTABLE

Nov. 9, 2015

Bloomington, IN

- ❖ Presented research on polycentric governance to all affiliated Ostrom Workshop researchers

KELLEY LIVING LEARNING CENTER (KLLC)

Oct. 19, 2015

Bloomington, IN

- ❖ Nominated to serve as a faculty presenter representing the Department of Business Law and Ethics for KLLC as part of their Professional Development Series

KELLEY CONNECT WEEK SUMMER 2015

June 1, 2015

Bloomington, IN

- ❖ Presented on the role of businesses in promoting cyber peace to a visiting group of Kelley MBA students as part of Kelley Connect Week

GREAT DECISIONS 2015

Apr. 8, 2015

Indianapolis, IN

- ❖ Invited to present research on cybersecurity and privacy as part of the 2015 Great Decisions Series, the nation’s oldest and most popular program of citizen education in world affairs

INDIANA UNIVERSITY GLOBAL STUDIES POSITIONING SERIES

Jan. 27, 2015

Bloomington, IN

- ❖ Invited to present on “Cybersecurity and the Search for Global ‘Cyber Peace’” as well as lead a discussion on developments in cybersecurity law and policy

STANFORD UNIVERSITY HOOVER INSTITUTION

Oct. 7, 2014

Stanford, CA

- ❖ Invited to present cybersecurity research along with other Stanford scholars as part of Hoover’s *Tuesday Talks* series on the topic of *Managing Cyber Attacks in International Law*

INTERNATIONAL SYMPOSIUM ON SECURITY AND MILITARY LAW

Sept. 25-27, 2014

Seoul, South Korea

- ❖ Invited by the Officer of Judge Advocate General, Republic of Korea Army, to present on the topic of cybersecurity focusing on due diligence obligations under international law

KOREA UNIVERSITY LAW SCHOOL

Sept. 26, 2014

Seoul, South Korea

- ❖ Invited by Prof. Nohyoung Park to present on my 2014 book on cybersecurity law and policy

NATIONAL ACADEMY OF SCIENCES EMERGING WEAPONS CONFERENCE

Apr. 22, 2014

Notre Dame, IN

- ❖ Invited by the former Director of the Reilly Center at Notre Dame, Prof. Don Howard, to offer a talk on cyber ethics focusing on applying sustainable development concepts to today’s cybersecurity challenges for this NAS Conference entitled, *Ahead of the Curve: Anticipating Ethical, Legal, and Societal Issues Posed by Emerging Weapons Technologies*

NOTRE DAME LAW SCHOOL

Apr. 22, 2014

Notre Dame, IN

- ❖ Invited to present research on Internet governance to Prof. Doug Cassel’s course on corporate social responsibility

HARVARD BUSINESS REVIEW (HBR)

Apr. 16, 2014

- ❖ Invited (along with Andrew Proia of the IU Center for Applied Cybersecurity Research) by the *Harvard Business Review* and TrendMicro to offer a webinar to an audience of more than 1,000 business managers on the impact of the 2014 NIST Cybersecurity Framework on shaping a cybersecurity standard of care entitled, *Aggressive and Persistent: Using Frameworks to Defend Against Cyber Attacks*

NOTRE DAME INSTITUTE FOR ADVANCED STUDY

Nov. 13, 2013

Notre Dame, IN

- ❖ Invited to present research on analogizing lessons from the sustainability movement and how they may be applied to mitigate contemporary cybersecurity challenges to a distinguished group of interdisciplinary scholars

KELLEY INFORMATION MANAGEMENT AFFILIATES PROGRAM

Nov. 1, 2013

Bloomington, IN

- ❖ Invited to present cybersecurity and privacy research to a gathering of IT executives at the Director level for this Kelley initiative

STATE OF HAWAII CYBER SECURITY SYMPOSIUM

Oct. 18, 2013

Honolulu, HI

- ❖ Invited to present on managing cyber risk to headline Hawaii’s cybersecurity awareness month activities and the installation of their new IT Security Department management team

UNIVERSITY OF NOTRE DAME WAR & PEACE COLLOQUIUM

Oct. 3, 2013

Notre Dame, IN

- ❖ Invited to offer a lecture entitled *Cyber War and Peace* for Professor Carolyn Nordstrom's war and peace colloquium series

NOTRE DAME INSTITUTE FOR ADVANCED STUDY

Sept. 17, 2013

Notre Dame, IN

- ❖ Presented research stemming from my doctorate focusing on strategies to govern the global commons in the twenty-first century to a distinguished group of interdisciplinary scholars

HARVARD BUSINESS REVIEW

June 25, 2013

- ❖ Invited to offer a webinar on implementing cybersecurity best practices to manage the multifaceted cyber threat to the private sector to an audience of executives organized by HBR

INTERNATIONAL TELECOMMUNICATION UNION WORLD SUMMIT ON THE INFORMATION SOCIETY FORUM 2013

May 15-17, 2013

Geneva, Switzerland

- ❖ Invited to present on the role of international law in enhancing cybersecurity as part of a multi-stakeholder panel that included representatives from academia, governments, industry, and the UN with over 1,300 participants in residence
- ❖ Participated in International Multilateral Partnership Against Cyber Threats briefing focusing remarks on capacity building measures to enhance cybersecurity in developing countries
- ❖ Participation generously funded by a grant from the Center for Applied Cybersecurity Research

INDIANA UNIVERSITY MAURER SCHOOL OF LAW

Apr. 9, 2013

Bloomington, IN

- ❖ Participated as a judge in a mock international arbitration and discussed career trajectories

INDIANA COUNTER PROLIFERATION TASK FORCE

Nov. 20, 2012

Indianapolis, IN

- ❖ Invited to present on best practices in information security for 70+ representatives from companies including Lilly, Roche, Cummins, and Dow Agro Sciences as part of the FBI-sponsored session, "Protecting Your Company Inside and Out: Insider Threats and Export Issues"

INDIANAPOLIS BAR ASSOCIATION

Oct. 16, 2012

Indianapolis, IN

- ❖ Invited to present research on U.S. and comparative cybersecurity law and policy in this continuing legal education luncheon entitled, "Recent Developments in Cyber Security and Data Protection Law in the U.S. and Europe"

IU MINI UNIVERSITY

June 18, 2012

Bloomington, IN

- ❖ Invited to teach a short course on developments in cybersecurity law and policy entitled, "Cyber Peace: Countering Cyber Attacks around the World"

CROATIAN CHAMBER OF COMMERCE

May 29, 2012

Zagreb, Croatia

- ❖ Presented research on corporate cybersecurity best practices to a cross-section of business leaders and academics

GREAT DECISIONS 2012

May 1, 2012

Bloomington, IN

- ❖ Invited to present research on cybersecurity as part of the 2012 Great Decisions Series, the nation's oldest and most popular program of citizen education in world affairs, at Meadowood Retirement Community

JOHN J. REILLY CENTER, UNIVERSITY OF NOTRE DAME

April 23, 2012

Notre Dame, IN

- ❖ Featured at a special two-hour Reilly Forum on the topic of cyber war and peace, which brought together cybersecurity experts from across the Notre Dame community

GOVERNMENT OF AUSTRALIA, PRIME MINISTER AND CABINET OFFICE

August 24, 2011

Canberra, Australia

- ❖ Met with the Prime Minister of Australia's national security team and presented cybersecurity research about national best practices aimed at securing cyberspace and building effective public-private partnerships to protect critical national infrastructure

GOVERNMENT OF AUSTRALIA, DEPARTMENT OF FOREIGN AFFAIRS AND TRADE (DFAT)

August 24, 2011

Canberra, Australia

- ❖ Invited to present research on strategies for enhancing national cybersecurity to specialists from different departments including the Office of the Attorney General
- ❖ Research later cited in DFAT presentations and publications

AUSTRALIAN NATIONAL UNIVERSITY (COLLEGE OF BUSINESS AND ECONOMICS)

August 23, 2011

Canberra, Australia

- ❖ Gave invited presentation on the risk of cyber attacks to the private sector and how to manage them better to a cross section of faculty and researchers from across campus as well as several Australian government ministries

INDIANA UNIVERSITY MAURER SCHOOL OF LAW, CYBERSECURITY LAW & POLICY

February 24, 2011

Bloomington, IN

- ❖ Guest lectured on the topic of the use of force in cyberspace

INDIANA UNIVERSITY, LAMP L-216 BLACK MARKETS, SUPPLY AND DEMAND

Oct. 12, 2010

Bloomington, IN

- ❖ Guest lectured on the subject of cyber attacks generally and cybercrime in particular

BLOOMINGTON ROTARY CLUB

Oct. 5, 2010

Bloomington, IN

- ❖ Gave presentation on current cybersecurity research and introduced former Dean of the Kelley School of Business, Dan Smith

SCOTT POLAR RESEARCH INSTITUTE, UNIVERSITY OF CAMBRIDGE

Mar. 2, 2010

Cambridge, England

- ❖ Invited to present doctoral research on the status of continental shelf claims in the Arctic, and the current state of the law of the sea in managing offshore resources

UNIVERSITY OF CAMBRIDGE CENTER FOR LATIN AMERICAN STUDIES

February 25, 2010

Cambridge, England

- ❖ Presented on the Antarctic Treaty at fifty years and the future of the Antarctic legal regime with special attention to recent claims on the outer continental shelf through the United Nations Convention on the Law of the Sea Article 76

INDIAN INSTITUTE OF INTERNATIONAL LAW

June 25, 2007

New Delhi, India

- ❖ Invited to present on research relating to a comparative analysis of the alternative dispute resolution systems in India and the United States entitled, *In the Name of Efficiency: The Role of Permanent Lok Adalats in the Indian Justice System and Power Infrastructure*

HOSTED CONFERENCES & EVENTS

- ❖ Cybersecurity, Human Rights, and the Prospects for Cyber Peace Collaborative Workshop co-hosted by Indiana University, New York University, and Paris VIII University in New York (Nov. 21-22, 2019) – Attendance 40
- ❖ “It’s not me, it’s you. Who said it best, the Board or the CISO?” with Bryan Sacks, CISO for the State of Indiana (Nov. 14, 2019) (co-hosted with CACR Speaker Series and Kelley) – Attendance 30
- ❖ Making Democracy Harder to Hack Collaborative Workshop for Indiana University and Australia National University, in Canberra, Australia (May 7-11, 2019) – 7 IU faculty, 12 Cybersecurity Risk Management MS capstone students (planned a 3.5-day conference and companion study trip to Canberra and Sydney with help from IU and ANU faculty and staff)
- ❖ “The Future of Privacy in the Digital Age” with Professor Fred Cate, Nick Merker, and Zach Heck (Apr. 17, 2019) – Attendance 40
- ❖ An Evening with the FBI (Special Agent Michael Alford, co-hosted between the Kelley School of Business and the IU Cybersecurity Program, Apr. 11, 2019) – Attendance 50
- ❖ “Big Data, AI, and Civic Virtue” with Notre Dame Professor Don Howard (Feb. 28, 2019) – Attendance 35
- ❖ Kelley School of Business / Center for Applied Cybersecurity Research (JJ Thompson, CEO of Rook Security, Cybersecurity from the C-Suite Speaker Series, Jan. 31, 2019) – Attendance 44
- ❖ Cookies and Hard Problems: Blockchain Roundtable, co-hosted with the Ostrom Data Governance Program (Oct. 24, 2018) – Attendance 16
- ❖ Smart Cities, co-hosted between Ostrom Workshop Data Governance and Cybersecurity Programs (Oct. 3-5, 2018) – Attendance 35
- ❖ Ostrom Memorial Lecture with Professor Milton Mueller (Oct. 3, 2018) – Attendance 75
- ❖ Making Democracy Harder to Hack Collaborative Workshop for Indiana University and Australia National University (Sept. 6-7, 2018) – Attendance 35
- ❖ A (Friendly) Evening with the FBI, Maurer School of Law (Apr. 12, 2018)
- ❖ Blockchain Blockparty, co-hosted with the Ostrom Workshop, IU Blockchain Club, SICE, and Kelley (Apr. 5, 2018) – Attendance 64
- ❖ Cookies and Hard Problems: Making Democracy Harder to Hack, co-hosted with the Ostrom Data Governance Program and CEWiT (Mar. 7, 2018) – Attendance 20
- ❖ Sustainable Development: Cybersecurity, co-hosted with SGIS, Kelley, the IU Cybersecurity Program, and the Ostrom Workshop (Jan. 26, 2018) – Attendance 115
- ❖ The Net Neutrality Battle: What it is About and What It Means to You, co-hosted with the Media School, Ostrom Workshop, and the IU Cybersecurity Program (Nov. 30, 2017)

- ❖ Ostrom Workshop Program on Cybersecurity and Internet Governance Speaker Series (Professor Peter Swire, Georgia Tech, Sept. 28, 2017)
- ❖ Ostrom Workshop Program on Cybersecurity and Internet Governance Inaugural Conference (Apr. 26-29, 2017)
- ❖ Kelley School of Business / Center for Applied Cybersecurity Research (Prof. Brad Wheeler, Cybersecurity from the C-Suite Speaker Series, Apr. 21, 2017)
- ❖ Ostrom Workshop Program on Cybersecurity and Internet Governance Speaker Series (Andrei Soldatov, Russian investigative journalist and author of *The Red Web*, Apr. 14, 2017)

MEDIA COVERAGE OF RESEARCH

- ❖ *IU Prof is 'Thought Leader' in the Fight for Cyberpeace*, BLOOM MAGAZINE (Dec. 2019).
- ❖ *Why Critics Say Indiana Isn't Doing Enough To Beef Up Election Security*, INDIANA PUBLIC MEDIA (Nov. 15, 2019), <https://indianapublicmedia.org/news/indiana-pulls-10-million-from-its-budget-into-bolstering-election-security-but-some-say-its-not-enough.php>.
- ❖ *Professor's Nobel Legacy Lives On*, INDIANA ALUMNI MAGAZINE (Winter 2019), at 23.
- ❖ *ANU Law Scholars Seek US Perspectives to 'Backlash' Against Global Norms*, ANU COLLEGE OF LAW (Oct. 17, 2019), <https://law.anu.edu.au/news-and-events/news/anu-law-scholars-seek-us-perspectives-%E2%80%98backlash%E2%80%99-against-global-norms>.
- ❖ Ryan Piurek, *University Marking the Legacy of IU Legend and Nobel Prize Winner Elinor Ostrom*, IU NEWSROOM (Oct. 1, 2019), <https://news.iu.edu/stories/2019/10/iub/inside/01-nobel-prize-winner-elinor-ostrom-legacy-marked.html>.
- ❖ George Vlahkis, *IU and Kelley School Professor Pleased to Partner in Newly Formed Cyber Peace Institute*, KELLEY NEWSROOM (Sept. 26, 2019), <https://blog.kelley.iu.edu/2019/09/26/iu-and-kelley-school-professor-pleased-to-partner-in-newly-formed-cyber-peace-institute/>.
- ❖ George Vlahkis, *Kelley Faculty to Contribute Insights and Expertise to Indiana Innovation Initiative*, KELLEY NEWSROOM (Sept. 25, 2019), <https://blog.kelley.iu.edu/2019/09/25/kelley-faculty-to-contribute-insights-and-expertise-to-indiana-innovation-initiative/>.
- ❖ *Cybersecurity Expert Available to Comment on Coordinated Ransomware Attack in Texas*, NEWS WISE (Aug. 20, 2019), <https://www.newswise.com/articles/cybersecurity-expert-available-to-comment-on-coordinated-ransomware-attack-in-texas?platform=hootsuite>.
- ❖ *Cybersecurity Expert Available to Comment on New NSA Task Force to Battle Russian Election Interference*, NEWS WISE (Aug. 14, 2019), <https://www.newswise.com/articles/cybersecurity-expert-available-to-comment-on-new-nsa-task-force-to-battle-russian-election-interference?platform=hootsuite>.
- ❖ Eric Berman, *Capital One Breach Is Case Study in Cyber Defenses, Vulnerabilities*, WIBC (July 30, 2019), <https://www.wibc.com/news/local-news/capital-one-breach-case-study-cyber-defenses-vulnerabilities>.
- ❖ Ernest Rollins, *Payouts Make Ransomware Attractive to Hackers*, GOV. TECH. (July 29, 2019), <https://www.govtech.com/security/Payouts-Make-Ransomware-Attractive-to-Hackers-Experts-Warn.html>.
- ❖ *Ellucian Banner Data Breach Draws Federal Concern*, INSIDE HIGHER ED (July 19, 2019), <https://www.insidehighered.com/news/2019/07/19/ellucian-banner-security-flaw-highlighted-education-department>.

- ❖ *Indiana University Launches Cybersecurity Clinic to Train Security Professionals*, CISO MAGAZINE (July 7, 2019), <https://www-cisomag-com.cdn.ampproject.org/c/s/www.cisomag.com/indiana-university-launches-cybersecurity-clinic-to-train-security-professionals/amp/>.
- ❖ Betsy Foresman, *Cybersecurity Clinic at Indiana U. Positions Itself as Regional Hub*, EDSCOOP (July 9, 2019), <https://edscoop.com/indiana-u-cybersecurity-clinic-local-organizations/>.
- ❖ Merritt McLaughlin, *IU Launches Cybersecurity Clinic*, INSIDE INDIANA BUSINESS (July 8, 2019), <http://www.insideindianabusiness.com/story/40754519/iu-launches-cybersecurity-clinic>.
- ❖ Tim Starks, *More Evidence of Stepped-up Iranian Hacking*, POLITICO (July 3, 2019), <https://www.politico.com/newsletters/morning-cybersecurity/2019/07/03/more-evidence-of-stepped-up-iranian-hacking-672002>.
- ❖ *First-of-its-Kind Cybersecurity Clinic to Train 21-st Century Cyber Professionals*, IU NEWS (July 2, 2019), <https://news.iu.edu/stories/2019/07/iu/releases/02-cybersecurity-clinic.html>.
- ❖ *Digitalni hladni rat: SAD udara, Kina bez protumjera, EU ceka*, CROATIA NEWS (May 28, 2019) (interviewed about U.S. and China dispute over 5G tech).
- ❖ *Tech, Law, and the Day Cyber Turned Kinetic*, NATIONAL SECURITY PODCAST (May 15, 2019), <https://simplecast.com/s/7dc05e0d>.
- ❖ *Experte über Facebook “Datenschutz widerspricht dem Geschäftsmodell,”* ZDF (Mar. 3, 2019), <https://www.zdf.de/nachrichten/heute/experte-datenschutz-und-geschaeftsmodell-von-facebook-widersprechen-sich-100.html> (German version of PBS, interview was translated into German by the producers).
- ❖ *Faculty Spotlight*, INSTITUTE FOR DEFENSE AND BUSINESS (Jan. 2019), <https://www.idb.org/cms/wp-content/uploads/2019/01/Shackelford-Spotlight.pdf>.
- ❖ *Kelley School Cybersecurity Expert Offers Holiday Shopping Tips for Protecting Identity*, IU NEWSROOM (Dec. 11, 2018), <https://news.iu.edu/stories/2018/12/iub/releases/11-cybersecurity-expert-offers-tips-for-protecting-identity-holiday-shopping.html>.
- ❖ *US Academics Recommend Australian-Style Paper Ballots at Elections*, ABC (Dec. 10, 2018), https://www.abc.net.au/radio/programs/pm/australian-style-paper-ballots-at-elections/10602694?smid=abcnews-Twitter_Organic&WT.tsrc=Twitter_Organic&sf203955240=1.
- ❖ Christopher Elliott, *New Ways To Prevent Identity Theft During The Holiday Shopping Season*, FORBES (Nov. 29, 2018), <https://www.forbes.com/sites/christopherelliott/2018/11/29/new-ways-to-prevent-identity-theft/#37b8755f7be3>.
- ❖ Lindsey Wright, *Inquire Indiana: What Happened To The State’s Once Thriving Passenger Train?*, WTIU (Nov. 16, 2018), <https://indianapublicmedia.org/news/inquire-indiana-what-happened-to-the-states-once-thriving-passenger-train.php>.
- ❖ *What is Blockchain?*, SCIENCE NODE (Nov. 14, 2018), <https://sciencenode.org/feature/What%20is%20blockchain.php>.
- ❖ *Indiana University Among First to Endorse Paris Call for Trust and Security in Cyberspace*, IU NEWSROOM (Nov. 12, 2018), <https://news.iu.edu/stories/2018/11/iu/releases/12-paris-call-for-trust-and-security-in-cyberspace.html>.

- ❖ Brett Kast, *Facebook Page Posting Campaign Material Appeared to be Official, County Says it Wasn't*, FOX59 (Oct. 23, 2018), <https://fox59.com/2018/10/23/facebook-page-posting-campaign-material-appeared-to-be-official-county-says-it-wasnt/>.
- ❖ Adam McCann, *2018's States Most Vulnerable to Identity Theft & Fraud*, WALLET HUB (Oct. 17, 2018), <https://wallethub.com/edu/states-where-identity-theft-and-fraud-are-worst/17549/#expert=scott-james-shackelford>.
- ❖ Janaki Chadha, *Three Ideas for Solving the Cybersecurity Skills Gap*, WALL STREET JOURNAL (Sept. 18, 2018), <https://www.wsj.com/amp/articles/three-ideas-for-solving-the-cybersecurity-skills-gap-1537322520>.
- ❖ Eric Geller & Martin Matishak, *Cybersecurity Morning Report*, POLITICO (Sept. 14, 2018), <https://www.politico.com/newsletters/morning-cybersecurity/2018/09/14/kaspersky-lab-fights-government-ban-in-federal-appeals-court-341057>.
- ❖ Sam Stall, *Universities Rush to Meet Cybersecurity Job Demand*, INDIANAPOLIS BUSINESS JOURNAL (Aug. 10, 2018), <https://www.ibj.com/articles/69996-universities-rush-to-meet-cybersecurity-job-demand>.
- ❖ Barbara Ortutay, *Tech Giants Still Stumbling in the Social World they Created*, ASSOCIATED PRESS (Aug. 10, 2018), <http://www.ktuu.com/content/news/Tech-giants-still-stumbling-in-the-social-world-they-created-490570801.html> (picked up by ABC news, CNBC, the Edge Media Network, and Asian Age).
- ❖ *Facebook's Transparency Is a Good Start, but Its Market Power Could Make It a Major Advocate for Privacy and Cybersecurity Worldwide*, NEWSWISE (Aug. 3, 2018), <http://www.newswise.com/articles/facebook-s-greater-transparency-is-a-good-start-but-company-could-do-more-to-advocate-for-privacy-and-cybersecurity-worldwide-iu-expert>.
- ❖ *Protecting Our Elections*, NOON EDITION (July 27, 2018), <https://indianapublicmedia.org/noonedition/protecting-elections/>.
- ❖ Barbara Brosher, *State, Local Governments Taking Steps To Improve Election Security*, INDIANA PUBLIC MEDIA (July 27, 2018), <https://indianapublicmedia.org/news/state-local-governments-steps-improve-election-security-152812/>.
- ❖ *IU-IDB Strategic Fellows Program Graduates 2018 Class*, PR NEWswire (June 6, 2018), <https://www.prnewswire.com/news-releases/iu-idb-strategic-studies-fellows-program-graduates-2018-class-300661206.html>.
- ❖ Ed Semmler, *Ransomware Attacks Such as at South Bend's Allied Physicians of Michiana are Becoming Common*, SOUTH BEND TRIBUNE (May 26, 2018), https://www.southbendtribune.com/news/business/ransomware-attacks-such-as-at-south-bend-s-allied-physicians/article_8faa6566-64d0-5162-a5c0-463f1b784a3f.html.
- ❖ Meghna Chakrabarti, *Overhauling Digital Privacy in the EU*, NPR ON POINT (Apr. 24, 2018), <http://www.wbur.org/onpoint/2018/04/24/eu-gdpr-facebook-digital-privacy> (interviewed with former FCC Chairman Tom Wheeler on the impact of the EU's General Data Protection Regulation).
- ❖ Lizzie Plaugic, *A Match.com Glitch Reactivated a Bunch of Old Profiles, Raising Concerns About User Data*, VERGE (Apr. 23, 2018), <https://www.theverge.com/2018/4/23/17257596/match-dot-com-reactivating-old-profiles-dating-online-data>.
- ❖ Henry T. Casey, *Google Responds to Troubling Report of Apps Tracking Kids*, TOM'S GUIDE (Apr. 17, 2018), <https://www.tomsguide.com/us/android-apps-tracking-kids-google-play,news-26983.html>.

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- ❖ *You Are Here: The Galactic Era*, WERS (Sept. 2, 2012), <http://wers.org/2012/09/02/the-galactic-era/> (interviewed on Boston-based public affairs radio show about my research regarding the common heritage of mankind concept).
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- ❖ *Stanford Law Review Online: In Search of Cyber Peace*, FORBES (Mar. 12, 2012), <http://specials.forbes.com/article/0gUAax659SdnV> (piece also covered by Concurring Opinions, FindLaw, sobeQ.org, Cyber Crimes Unit, Digital Rights Watch, C-SPAN, and the Center for Strategic and International studies, as well as being included in the NATO Cyberspace Security Library).
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- ❖ *Cyber War and Peace (And Zombies)*, 1 KELLEY ON TOPIC 5 (2011).
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- ❖ Bruce Horowitz, *Do Not Track May Not be Big Deal to Some Internet Users*, USA TODAY (Dec. 3, 2010), http://www.usatoday.com/tech/news/2010-12-03-adreact03_ST_N.htm.
- ❖ *Cybersecurity Oversight Under New Scrutiny: One-on-One with Scott Shackelford*, KELLEY MAGAZINE, Winter 2011, at 17.

PROFESSIONAL EXPERIENCE

HOGAN LOVELLS LLP

Summer Associate, (May 2008-July 2008)

Washington, D.C.

- ❖ Wrote memoranda and attended International Trade Commission hearings on antidumping in international trade law
- ❖ Helped draft notice and comment on proposed Department of Interior regulation on allowing concealed handguns in national parks resulting in D.C. District Court granting a preliminary injunction
- ❖ Conducted contract interpretation regarding natural gas pipelines for project finance group

FREEDOM NOW

Advocate, (July 2008-July 2010)

Washington, D.C.

- ❖ Drafted press releases and wrote petition to the U.N. Working Group on Arbitrary Detention for an arbitrarily detained Peruvian doctor for this non-profit, non-partisan organization working to free prisoners of conscience worldwide

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA), OFFICE OF GENERAL COUNSEL

Clerk, (July 2007-June 2008)

Mountain View, CA

- ❖ Worked with Chief Counsel of NASA Ames and wrote memoranda on proposed public-private partnerships in developing small spacecraft
- ❖ Reviewed outgoing patents from NASA scientists
- ❖ Helped plan summer symposium involving international space policy students attending school at NASA Ames

STANFORD UNIVERSITY, PROFESSOR LAWRENCE FRIEDMAN

Research and Teaching Assistant, (Dec. 2006-June 2009)

Stanford, CA

- ❖ Researched and wrote on topics in the history of American law including the evolution of guardianship law published by the *American Journal of Legal History*, and a comparative analysis of privacy rights for public figures which won the Stanford Steven Block Civil Liberties Award

STANFORD UNIVERSITY, PROFESSOR NORMAN SPAULDING

Research Assistant, (Dec. 2006-Jan. 2009)

Stanford, CA

- ❖ Prepared literature review on the cognitive science of legal reasoning, in particular whether arguing against oneself impacts upon an advocate's cognitive dissonance, as well as larger issues of legal ethics

STANFORD ENVIRONMENTAL LAW CLINIC

Advanced Student, (Jan. 2008-Jan. 2009)

Stanford, CA

- ❖ Drafted NAFTA petition on the impact of oil and gas exploration in the Chukchi Sea on the gray whale population; co-wrote report on the water law of Namibia and the environmental effects of uranium mining published by the Stanford Law School Mills Law Clinics

INSTITUTE FOR PEACE AND CONFLICT STUDIES

National Security Education Program Boren Fellow, (May-July 2007) New Delhi, India

- ❖ Conducted research on alternative dispute resolution as part of the United Nations Development Program Access to Justice initiative

SAN MATEO LEGAL AID SOCIETY

Co-Creator, Stanford Elder Law Project, (Jan. 2007-May 2007) San Mateo, CA

- ❖ Interviewed at-risk elderly; wrote briefs on consumer fraud, elder abuse, and public health benefits for the disabled, especially relating to public senior housing in San Mateo

MONROE COUNTY CIRCUIT COURT

Judicial Extern to Honorable Judge Randy Bridges, (May-Aug. 2005) Bloomington, IN

- ❖ Drafted bench memoranda and assisted in writing opinions related to criminal law

CYBERSECURITY CONSULTING

- ❖ *Member, Board of Directors CFF Cyber Future Institute - Board of Education* (2018-Present): Assisting in the development of educational cybersecurity best practices
- ❖ *Advisory Committee Member, Better Business Bureau Institute for Marketplace Trust* (2018-Present): *Cybersecurity Trust Guidelines* (2018-Present): Helping to develop BBB cybersecurity guidelines for small businesses.
- ❖ *Advisory Council Member, ACT-IAC Communities of Interest (COIs) Government Advisors (GA)* (2018-Present): Assisting in the development of cybersecurity best practices across the federal government, such as in the realm of cyber risk insurance.
- ❖ *Subject Matter Expert, Deloitte*: Deliver Uncompromised International Norms Working Group Member (Feb. 16, 2017)
- ❖ *Expert, International Telecommunication Union Global Cybersecurity Index (2016-Present)*: Responsible for leading a multi-stakeholder project based at Indiana University assessing worldwide cybercrime laws and their effectiveness at mitigating cyber attacks
- ❖ *Listed Expert, COMNET*: Included in list of leading experts in this British Commonwealth cybercrime initiative
- ❖ *Expert Reviewer, ITU GLOBAL CYBERSECURITY INDEX & CYBERWELLNESS PROFILES*: Asked to be first expert to review methodology in a major project designed to rank all nations according to their cybersecurity readiness
- ❖ *Faculty Expert*: Deloitte Critical Infrastructure Cybersecurity Project (2017)

SERVICE TO INDIANA UNIVERSITY

- ❖ Cybersecurity Program Chair, IU-Bloomington (2017-)
- ❖ Executive Director, Ostrom Workshop (2020-)
- ❖ Acting Director, Ostrom Workshop (August 2019-December 2019)
- ❖ Director, Ostrom Workshop Program on Cybersecurity and Internet Governance (2016-)
- ❖ Co-Director, Ostrom Blockchain Governance Initiative (2018-Present)
- ❖ Co-Chair, IU-IDB Strategic Studies Fellows Program for the U.S. Army (2016-Present)
- ❖ Chair, Ostrom Workshop Colloquium Committee (2018-19)
- ❖ Invitee, Pres. Michael McRobbie's Dinner for Australia's Consul-General in Chicago Visit to IU-Bloomington, Bryan House (Aug. 20, 2019)
- ❖ Member, Center for the Study of Global Change Advisory Board (2017-)
- ❖ Indiana Supreme Court, Indiana Innovation Initiative, Technology Task Force Working Group Member (2019-)
- ❖ Advisory Board Member, IU B.S. in Cybersecurity & Policy (2019-)
- ❖ Chair, Graduate Initiatives, Graduate Faculty Council (2019-20)
- ❖ Member, Ostrom Workshop Colloquium Committee (2016-18)
- ❖ Speaker & Co-organizer, IU Cybersecurity Program Graduation Ceremony (May 2, 2019)
- ❖ Faculty Marshall, IU Graduate Commencement (May 3, 2019)

- ❖ SJD Committee Chair, Wei-ya Wu (2019-)
- ❖ Drafted Department Memo following Tenure Vote for Todd Haugh (August 2019)
- ❖ MA Thesis Adviser, Kayla MacDavitt (2019)
- ❖ Participant & Ostrom Workshop Organizer, Chinese Academy of Social Sciences (CASS) Visit to IU-Bloomington (Oct. 21, 2019)
- ❖ Attendee, Cox Scholars Fall Reception (Oct. 21, 2019)
- ❖ Attendee, Cox Scholars Spring Reception (Apr. 16, 2019)
- ❖ Directed Research Mentor, Keon Brown (IU Cybersecurity Program) (2018)
- ❖ Directed Reading Mentor, Grayson Harbour (IU Cybersecurity Program/Maurer School of Law) (2018)
- ❖ Directed Research Mentor, Janaki Gaddam (IU Cybersecurity Program) (2018)
- ❖ Judge, Kelley Connect Week Case Competition (Mar. 9, 2018)
- ❖ Judge, Graduate School Three-Minute Thesis Competition (Mar. 8, 2018)
- ❖ Search Committee Member, Director of IU Proposal Development Services (March 2018)
- ❖ Executive Committee Member, Russia and East European Institute (REEI) (2017-Present)
- ❖ Representative, IU Graduate Faculty Council (2017-19, 2019-21)
- ❖ Member, Bloomington Faculty Council Long-Range Planning Committee (2017-Present)
- ❖ Attendee, Kelley Family Leadership Council Dinner (Jan. 24, 2019)
- ❖ Developer, IU-Bloomington Proposal for an M.S. Degree in Cybersecurity Risk Management, University Graduate School (2015-16)
- ❖ Faculty Marshal, IU Winter Commencement (Dec. 16, 2017)
- ❖ Elected Member, Kelley School of Business Representative to the Bloomington Faculty Council (BFC) (2015-17)
- ❖ Member, Outstanding Junior Faculty Award Selection Committee (2016-17)
- ❖ Faculty Advisor, Kelley Cybersecurity Club (2017-)
- ❖ Volunteer, Habitat for Humanity Whirlpool Build (2017)
- ❖ Promotion Dossier Reviewer for Senior Lecturer, SPEA Professor John Karaagac (2017)
- ❖ IU Representative, UN Global Cybersecurity Index Initiative (2016-)
- ❖ Directed Reading Mentor, Jeffrey Haut (Maurer School of Law) (2016)
- ❖ Conflict of Interest Beta Test Participant, Office of the Vice President and General Counsel (2016)
- ❖ Member, BFC Child Care Coalition (2014-16)
- ❖ Judge, Kelley Connect Week Case Competition (July 29, 2016)
- ❖ Judge, Kelley Connect Week Case Competition (June 10, 2016)
- ❖ Member, Cross-Campus Graduate Security Studies Committee (2014-15)
- ❖ Member, Kelley Research Policy Committee (2015-17)
- ❖ Faculty Lead, IU Cybersecurity Certificates Website (cybercertificates.indiana.edu) (2015)
- ❖ Content Creator, Kelley Certificate in Cybersecurity Management Website (2015)
- ❖ Member, Information Systems Graduate Program Policy Committee (2015-16, 2017-18))
- ❖ Member, European Studies Advisory Board (2015-16)
- ❖ Member, Center for the Study of Global Change Advisory Board (2015-17)
- ❖ Mentor, IU Sustainability Scholars 2020 Program (2015-16)
- ❖ Faculty Participant, Liberal Arts Management Program (LAMP) Graduation Ceremony (May 6, 2016)
- ❖ Invited Participant, Ethics in the National Security Profession Workshop (June 30, 2015)

- ❖ Organizer & Proctor, International Association of Privacy Professionals Certification for IU MSIS Students (June 26, 2015)
- ❖ Primary drafter, Kelley Certificate in Cybersecurity Management (*passed by the Academic Council and Kelley faculty in Spring 2015*)
- ❖ Member, Faculty Search Committee, Department of International Studies in Security Studies (2014-15)
- ❖ Faculty Participant, Kelley Direct Admit Weekend (Feb. 27, 2015)
- ❖ International Studies Mentor, Senior Thesis, Catherine Krege (2015)
- ❖ International Studies Mentor, Senior Thesis, Kenneth Brooks (2015)
- ❖ Co-organizer, Cyberspace 2025: Today's Decisions, Tomorrow's Terrain (Mar. 6, 2015)
- ❖ Participant, MSIS Alumni Event (San Francisco, Nov. 9, 2014)
- ❖ Member, Resource Use and Recycling Working Group (2014-15)
- ❖ Advisor, IU Goethe Link Observatory Working Group (2014-Present)
- ❖ Faculty Coordinator, X576 Emerging Markets Trip to Turkey and Georgia (2014-15)
- ❖ Co-convener, Russia and East European Studies Post-Communist Round Table focusing on cybersecurity law and policy developments in Eastern Europe and Central Asia (2014)
- ❖ Faculty Participant, Kelley MSIS Celebration (May 10, 2014)
- ❖ Judge, Kelley Connect Week Second Year Case Competition (2014)
- ❖ Distinguished Campus Catalyst Award Judge (2013) – Annual IU Sustainability Awards
- ❖ Dissertation Committee, Constituent Member, Bari Bendell (July 2013)
- ❖ Graduate Faculty, University Graduate School, Indiana University (June 2013-Present)
- ❖ Faculty Participant, Kelley MSIS Celebration (May 4, 2013)
- ❖ Faculty Participant, Kelley Senior Recognition Ceremony (May 3, 2013)
- ❖ Faculty Participant, National Institute for Development Administration (NIDA) visits to IU (Apr. 5, 2013; Aug. 4, 2014)
- ❖ Faculty Elector, Phi Beta Kappa (2012-Present)
- ❖ Faculty Coordinator, X576 Sustainability in Emerging Markets MBA course and trip to Indonesia (2013)
- ❖ Member, Kelley/International Graduate Business School in Zagreb, Croatia Academic Council (2013-Present)
- ❖ Planning Committee Member, IU Center for Applied Cybersecurity Research summit on cybersecurity challenges facing the next President (Oct. 29, 2012)
- ❖ Member, Campus Sustainability Advisory Board, Transportation Working Group
- ❖ Faculty Participant, Phi Alpha Delta Health Professions and Pre-Law Center Etiquette Dinner (2013)
- ❖ International Studies Mentor Program (September 2012-Present)
- ❖ Faculty Participant, Freshman Induction (August 15, 2012)
- ❖ Faculty Instructor, IU Mini University (June 18, 2012), taught—Cyber Peace: Countering Cyber Attacks around the World
- ❖ Faculty Participant, IU Commencement Ceremony (May 2012)
- ❖ Faculty, Kelley Emerging Markets Trip to China (Mar. 2012)
- ❖ Member, Bloomington Faculty Council Constitution and Rules Committee (2011-2012, 2012-2013)
- ❖ Faculty Mentor, University Division Students (2011-12)
- ❖ Participant, 2011 Course Development Institute for L302: Sustainability Law and Policy
- ❖ Member, Department of Business Law and Ethics Simulation Committee (2013)

- ❖ Member, Department of Business Law and Ethics Curriculum Review Committee (2013-14)
- ❖ Presenter, Department of Business Law and Ethics Research Workshop Committee (2011-14); Organizer, 2012-13
- ❖ Faculty Mentor, Kelley Cox Scholars Program (2010-12)
- ❖ Judge, Emerging Markets Case Competition (Feb. 11, 2012)
- ❖ Judge, Undergraduate Ethics Case Competition (Mar. 26, 2011)

COMMUNITY SERVICE

ROTARY INTERNATIONAL

- Member**, (Jan. 2018-Present) Bloomington, IN
- ❖ Member of the Bloomington IMU Rotary Club, having formerly served as an Ambassadorial Scholar from District 6580 to the University of Cambridge
 - ❖ Committee member for the 2019-20 Global Grant Scholarship Selection Committee

HOOSIER HILLS FOOD BANK

- Board Member**, (Dec. 2010-Present) Bloomington, IN
- ❖ Elected to the Board of Directors for the Hoosier Hills Food Bank, serving local agencies and providing direct service to needy families in South-Central Indiana
 - ❖ Serve on the finance and accounting subcommittee
 - ❖ Volunteer at Food Bank events, including annual Soup Bowl and Book Fair

TIMMY FOUNDATION

- Development Officer**, (Apr.-Oct. 2005) Indianapolis, IN & Quito, Ecuador
- ❖ Led a trip of 25 volunteers and two physicians to Quito for community service and health screenings
 - ❖ Composed 2005 Timmy Foundation Annual Report, a nonprofit foundation with assets of more than \$1 million

AREA 10 AGENCY ON AGING

- Public Relations Specialist**, (May 2002-May 2005) Ellettsville, IN
- ❖ Published over 50 articles in the *Indianapolis Star*, *Spencer Evening World*, *Ellettsville Journal*, and *Herald Times*; created brochures, commercials, wrote grants and negotiated marketing contracts

GRANTS & GIFTS

- ❖ Principal Investigator, “Global Cybersecurity Governance.” Organization: Center for International Business Education and Research (CIBER). Total Budget Requested: \$7,500. Funded: \$7,500.
- ❖ Co-Principal Investigator, “The Polycentric Governance of Space Debris,” with PI Jean-Frédéric Morin. Agency: Canadian Social Sciences and Humanities Research Council. Total Budget Requested: \$100,000.
- ❖ Principal Investigator, “The IU Cybersecurity Scholarship Program: Preparing the Next Generation of Cybersecurity Professionals,” with co-PIs Prof. Apu Kapadia and Von Welch. Proposal Number: 006046700. Agency: National Science Foundation. Total Budget Requested: \$2,076,583.
- ❖ Principal Investigator, “Protecting Critical Infrastructure: Global Challenge, Local Priority. A Midwest Cybersecurity Alliance to Promote Cyber Peace through Applied Service-Learning.” Organization: Indiana Economic Development Corporation. Funded: \$240,000.

- ❖ Principal Investigator, “Inside the Global Drive for Cyber Peace: Unpacking Implications for Practitioners & Policymakers.” Organization: Microsoft Corporation. Funded: \$25,000.
- ❖ Principal Investigator, “Managing the business cybersecurity risk of the future: The aging workforce analysis and development of recommendations for training and risk minimization.” Organization: The Risk Institute at The Ohio State University Fisher College of Business. Funded: \$15,000.
- ❖ Principal Investigator, “Understanding Diffusion and Clustering of Preferences in Cybersecurity Policy.” Organization: Comcast Corp. Total Budget Requested: \$28,857.
- ❖ Principal Investigator, “IU-ANU 2019 Making Democracy Harder to Hack Workshop in Canberra, Australia.” Organization: IU Office of International Partnerships. Total Budget Requested: \$5,000. Funded: \$5,000.
- ❖ Principal Investigator, “IU-ANU 2018 Making Democracy Harder to Hack Workshop in Washington, DC.” Organization: IU Vice President for Research. Total Budget Requested: \$15,000. Funded: \$15,000.
- ❖ Principal Investigator, “Global Cybersecurity Governance.” Organization: Center for International Business Education and Research (CIBER). Total Budget Requested: \$17,000. Funded: \$17,000.
- ❖ Principal Investigator, “Protecting Critical Infrastructure: Global Challenge, Local Priority. A Midwest Cybersecurity Alliance to Promote Cyber Peace through Applied Service-Learning.” Organization: Hewlett Foundation. Total Budget Requested: \$680,738. Funded: \$340,000.
- ❖ Principal Investigator, “Understanding Diffusion and Clustering of Preferences in Cybersecurity Policy.” Organization: Microsoft Corporation. Total Budget Requested: \$118,717.30.
- ❖ Principal Investigator, “Establishing a Cyber Supply Chain Assurance Model for Department of Defense IT Acquisitions,” with co-PIs Von Welch, Prof. Steve Myers, Prof. Mark Janis, and Prof. Michael Mattioli. Proposal Number: WHS-AD-FOA-17-01. Agency: Department of Defense. Total Budget Requested: \$1,159,937.00.
- ❖ Principal Investigator, “The IU Cybersecurity Scholarship Program: Preparing the Next Generation of Cybersecurity Professionals,” with co-PIs Prof. Fred Cate, Prof. Steven Myers, and Von Welch. Proposal Number: 1663003. Agency: National Science Foundation. Total Budget Requested: \$4,000,000.00.
- ❖ Principal Investigator, “The IU Cybersecurity Scholarship Program: Preparing the Next Generation of Cybersecurity Professionals,” with co-PIs Prof. Fred Cate, Prof. Steven Myers, and Von Welch. Proposal Number: 1565470. Agency: National Science Foundation. Total Budget Requested: \$4,058,808.00.
- ❖ Principal Investigator, “The Shareable Cybersecurity Clinic Toolkit: A Model for Applied, Interdisciplinary, and Portable Cybersecurity Collaboration,” with co-PIs Prof. Fred Cate, Prof. Steven Myers, and Von Welch. Proposal Number: 1623456. Total Budget Requested: \$500,000.00.

PROFESSIONAL SERVICE

- ❖ Advisory Committee Member, Better Business Bureau Institute for Marketplace Trust: Cybersecurity Guidelines (2018-Present)
- ❖ Chair, American Bar Association Corporate Social Responsibility Task Force Publications Committee (2014-Present)

- ❖ Observer, Hague International Space Resources Governance Working Group (2018-Present)
- ❖ External Reviewer, Professor Tim Ravich Tenure Dossier (University of Central Florida) (2019)
- ❖ Doctoral Dissertation External Examiner, Worku Ugessa, University of Oslo Faculty of Law (Sept. 11, 2019)
- ❖ External Reviewer, Professor Nizan Packin Tenure Dossier (Baruch College) (2018)
- ❖ External Reviewer, Clinical Associate Professor Shontrai Irving (Purdue University Northwest) (2018)
- ❖ President, International Law Section, Academy of Legal Studies in Business (2015-16)
- ❖ Expert Peer Reviewer, *Tallinn 2.0 Manual* (2016)
- ❖ Stanford University Admissions Ambassador (2017-Present)
- ❖ Reviewer, University of Illinois Critical Infrastructure Resilience Institute Grant Program (2016, 2017)
- ❖ Founding Member, Cyber Peace Alliance (2017-)
- ❖ Expert Advisor, Cyber Peace Foundation (2017-)
- ❖ Contributor, Security Roundtable (2016-)
- ❖ Agenda Contributor, World Economic Forum (2017-)
- ❖ Content Consultant, *Big Data and Privacy Rights* (M. M. Eboch, Abdo Publishing, 2016)
- ❖ Invited Expert Adviser, Election Verification Network (2016-Present)
- ❖ Adviser & Founding Member, Cyber Peace Foundation (2017-Present)
- ❖ Reviewer, Fulbright Junior Advanced Research Award (2016)
- ❖ Reviewer, Department of Homeland Security Cybersecurity Critical Infrastructure Center of Excellence Competition (2014-15)
- ❖ Vice President, International Law Section, Academy of Legal Studies in Business (2014-15)
- ❖ Secretary, International Law Section, Academy of Legal Studies in Business (2013-14)
- ❖ Expert Adviser, RAND Corporation Industrial Espionage Study (2015)
- ❖ Expert Adviser, Florida Cybersecurity Initiative (2015)
- ❖ Co-organizer, Malta Internet as a Global Public Resource Conference (Apr. 2015)
- ❖ Submissions Chair, Ralph Bunche Award (2015)
- ❖ Reviewer, Academy of Legal Studies in Business Ralph Bunche Award (2014)
- ❖ Reviewer (Article), *Global Governance: A Review of Multilateralism and International Organizations*
- ❖ Reviewer, *Journal of Cyber Policy*
- ❖ Reviewer, *Journal of Cybersecurity*
- ❖ Reviewer, *Journal of Business Ethics*
- ❖ Reviewer, *Institute of Electrical and Electronics Engineers (IEEE) Access Journal*
- ❖ Reviewer, *International Journal of the Commons*
- ❖ Reviewer, *Governance*
- ❖ Reviewer, *Security Studies*
- ❖ Reviewer, *The Royal Institute of International Affairs Chatham House Information Security Project*
- ❖ Reviewer, *Georgetown Journal of International Affairs*
- ❖ Reviewer, *American Business Law Journal*
- ❖ Reviewer, *European Journal of International Law*
- ❖ Reviewer, *Jurimetrics*
- ❖ Reviewer, Cambridge University Press

- ❖ Reviewer, MIT Press
- ❖ Reviewer, Elsevier Press
- ❖ Reviewer, Brill Nijhoff Publishers
- ❖ Reviewer, Hart Publishers
- ❖ Reviewer, University of Toronto Press
- ❖ Reviewer, George Mason University Mercatus Center
- ❖ Editorial Board, *Journal of Space Law and Policy* (2014-Present)
- ❖ Participant, Institute of Electrical and Electronics Engineers Cybersecurity Committee
- ❖ Scholar, Global Internet Governance Academic Network (GigaNet)

PROFESSIONAL MEMBERSHIPS

- ❖ Term Member, Council on Foreign Relations
- ❖ Member, Academy of Legal Studies in Business
- ❖ Member, American Society of International Law
- ❖ Member, American Political Science Association
- ❖ Member, American Bar Association

BAR ADMISSION

California (2013) (*Inactive*)

SCIENCE WRITING

FREELANCE SCIENCE WRITER (Oct. 2006-Present)

- ❖ Wrote pieces on topics in astronomy, space exploration, and astrophysics for outlets such as *Stanford Magazine* and the *Indiana Alumni Magazine*

INDIANA UNIVERSITY MEDIA RELATIONS

Science Writer Intern, (May-Oct. 2005)

Bloomington, IN

- ❖ Reported on stories pertaining to space, energy, health and transportation policy as well as foreign affairs

INDIANAPOLIS STAR

Reporter Intern, (Aug. 2000-Aug. 2001)

Indianapolis, IN

- ❖ Researched and wrote bi-weekly articles publicizing community events in Indianapolis

ADDITIONAL INFORMATION

- ❖ Proficient in Spanish, and have taken coursework in Hindi and Mandarin; science journalist; marathon runner; avid kayaker, and jazz trumpet player.