

## Curriculum Vitae

**Joseph M. Hatfield**

**Assistant Professor and Associate Chair, Department of Cyber Science,  
U. S. Naval Academy**

Lived throughout the U.S. (Kansas, Missouri, Virginia, Florida, and Maryland), in the United Kingdom (Cambridge, England) and in Sicily (Sigonella).

### **Education**

- Ph.D. Department of Politics and International Studies, University of Cambridge, 2015.  
Dissertation title: ‘Virtue, Purpose, and War: Secular Foundations for Reasoning about Warfare’. (Supervisors: Charles A. Jones and Duncan Bell)
- M.St. Department of Politics and International Studies, University of Cambridge, with distinction, 2011.  
Thesis title: ‘Virtue Ethics and the Foundations of Secular Just War Theory’. (Supervisor: Tarak Barkawi)
- B.A. University of Missouri at Kansas City, Philosophy with secondary study in Economics, *summa cum laude*, 2005.

### **Publications**

- Hatfield, Joseph M. 2019. “Virtuous Human Hacking: The Ethics of Social Engineering in Penetration-Testing.” *Computers & Security*, Vol. 83, pp. 354-366.
- Emmersen, Tracy, Joseph M. Hatfield, Jeffrey Kosseff, Stephen R. Orr IV. 2019. “The USNA’s Interdisciplinary Approach to Cybersecurity Education.” *IEEE Computer*, Vol. 52, Issue 3, pp. 48-57.
- Hatfield, Joseph M. 2018. “Social Engineering in Cybersecurity: The Evolution of a Concept.” *Computers & Security*, Vol. 73, pp. 102-113.
- Hatfield, Joseph M. 2017. “An Ethical Defense of Treason by Means of Espionage.” *Intelligence and National Security*, Vol. 32, No. 2, pp. 195-207.
- Hatfield, Joseph M. 2017. “Lactantius,” “Anabaptist Pacifism,” and “Tyrannicide,” in *Wars of Religion: An Encyclopedia of Faith and Conflict*, edited by Timothy Demy and Jeffrey Shaw (ABC-CLIO).
- Hatfield, Joseph M. 2017. “Immanuel Kant: from Universal Rationality to Perpetual Peace,” in *Philosophers and War*, edited by Timothy Demy, Eric Patterson, and Jeffrey Shaw (Stone Tower Books).
- Hatfield, Joseph M. and Mohammed M. Hafez, 2006. “Do Targeted Assassinations Work? A Multivariate Analysis of Israel’s Controversial Tactic during Al-Aqsa Uprising.” *Studies in Conflict and Terrorism*, Vol. 29, No. 4, pp. 359-382.
- Article was included in *Psychology and Terrorism: Classical and Contemporary Insights* (Psychology Press, 2009).

### Book Reviews:

Hatfield, Joseph M. 2015. Review of 'More than Just War: Narratives of the Just War Tradition and Military Life' (Routledge), by Charles A. Jones, *Naval War College Review*, Vol. 68 (3).

Hatfield, Joseph M. 2015. Review of 'Morality and War: Can War be Just in the Twenty-first Century' (Oxford University Press), by David Fisher, *Naval War College Review*, Vol. 68 (4).

### Public Outreach Military-Related Articles (online and print)

Hatfield, Joseph M. 2015. "On Distributed Lethality," U.S. Navy's *Proceedings Magazine* (U.S. Naval Institute), Vol. 151, No. 7, (July). <http://www.usni.org/magazines/proceedings/2015-07>.

Hatfield, Joseph M. 2014. 'The Aresian Risk of Unmanned Maritime Systems', published online by the *U.S. Naval Institute*. <http://www.usni.org/%E2%80%9Caresian-risk%E2%80%9Dunmanned-maritime-systems>.

Hatfield, Joseph M. 2013. 'The Reverse Draft: Bringing Military and Society Together Again,' a short Op-Ed published online by the *Harvard National Security Journal*. <http://harvardnsj.org/2013/11/the-reverse-draft-bringing-the-military-and-society-back-together/>.

Hatfield, Joseph M. 2013. 'Luck in War: Two Cold War Cases,' a paper published online by the *Armed Forces Journal*. <http://afj.wpengine.com/luck-in-war-two-cold-war-cases/>.

### **Awards**

Alfred Thayer Mahan Award for Literary Achievement (2014, a navy-wide award)

Rear Admiral Thomas A. Brooks Intelligence Officer of the Year (2013, a navy-wide award)

Madingley Thesis Prize, University of Cambridge (2011)

U.S. Africa Command Company Grade Officer of the Year (2011)

Certificate of Honors in Philosophy, University of Missouri at Kansas City (2005)

Military Service Medals: Defense Meritorious Service Medal, Naval Commendation Medal, Joint Service Achievement Medal, Naval Achievement Medal, Overseas Service Ribbon (with Silver Star in lieu of fifth award)

### **Teaching**

*Assistant Professor*, taught six undergraduate courses. SY110: Introduction to Cybersecurity Technical Fundamentals, SY304: Human Factors in Cyber Operations, FP130: US Government and Constitutional Development, FP407: Intelligence and National Security, FP450: International Political Economy, and SY485C: Espionage in the Cyber Age. Responsible for developing, directing, and delivering SY304, FP407, FP450, and SY485C. Also acted as primary supervisor for students in their FP510: Honors Senior Thesis, and SY495/6: Individual Research in Cyber Operations. Overall teaching duties include the creation of syllabi, lectures, grading, homework, guest-speakers, as well as holding regular office-hours and being the core academic advisor to undergraduate students in both Cyber Operations and Political Science.

*Graduate Seminar Leader*, led seminars at the University of Cambridge for the Master of Studies in International Relations (2013-2014) course. Seminars consisted of my lecture, followed by discussion and critical engagement with the reading material. Seminar titles: introduction to international relations; the ethics of military intervention; philosophical assumptions in security studies; globalization, ontology, and responsibility to protect; the promises and limitations of geopolitics; balancing, unbalancing, and unipolarity; the political economy of international relations.

*Graduate Thesis Tutor*, advised 19 graduate students at various stages of the writing of their master's thesis projects, both as a peer and in my role as a Ph.D. student. Advising included the crafting and refining well-articulated research questions, recognizing key assumptions, identifying research methods (both quantitative and qualitative) germane to thesis projects, providing counterarguments as stimulus to critical reflection, and source recommendation.

*Embarked Instructor*, while serving in the U.S. Navy aboard the aircraft carrier USS EISENHOWER (January-June 2007), where over 6,000 personnel (Officers and Sailors) served an overseas deployment, invited to supplement Philosophy courses taught by the University of Maryland's embarked instructor.

### **Presentations and Lectures**

Gave paper entitled 'The Implications of Blockchain Technology for the Intelligence Field,' Cybersecurity Panelist, International Security and Intelligence Program, Cambridge Security Initiative, University of Cambridge (July 2019).

Gave paper entitled 'The Ethics of White Hat Social Engineering,' King's College London (July 2019).

Gave paper entitled 'Human Factors in Cyber Operations,' Cybersecurity Panelist, International Security and Intelligence Program, Cambridge Security Initiative, University of Cambridge (July 2018).

Gave paper entitled 'Social Engineering in Cybersecurity: the Evolution of a Concept' at the Institute of World Politics in Washington D.C. (September 2017): <https://www.iwp.edu/events/detail/social-engineering-in-cybersecurity-the-evolution-of-a-concept>

Gave paper entitled 'Representation Bias and Political Legitimacy', at International Theory Workshop (February 2015), London School of Economics and Political Science.

Presented on 'Ethics of Intelligence: Conceptual Errors in the *jus in intelligentia* Project', University of Cambridge, 2011.

Presented on 'China's Foreign Policy under Mao', University of Cambridge, 2010.

Presented on 'The Copenhagen School of Security Studies', University of Cambridge, 2010.

Lecture, 'Philosophy and Ethics', University of Maryland, embarked instructor 2007.

Lecture, 'Donald Davidson's Critique of Skepticism', University of Maryland, embarked instructor 2007.

Lecture, 'John Rawls and the Original Position', University of Maryland, embarked instructor 2007.

Lecture, 'The State of Nature and Political Legitimacy', University of Maryland, embarked instructor 2007.

Lecture, 'Daniel Dennett's Intentional Systems Theory', University of Maryland, embarked instructor 2007.

Lecture, 'John McDowell's *Mind and World*', University of Maryland, embarked instructor 2007.

Lecture, 'Is Rorty a Relativist?', University of Maryland, embarked instructor 2007.

Lecture, 'Grice and Strawson's Response to Quine', University of Maryland, embarked instructor 2007.

Lecture, 'MacIntyre's *After Virtue*', University of Maryland, embarked instructor 2007.

Lecture, 'Phillippa Foot's Naturalism', University of Maryland, embarked instructor 2007.

Lecture, 'Ayer on Fact and Value', University of Maryland, embarked instructor 2007.

Presentation, 'Eugen von Böhm-Bawerk's critique of Marx's labor theory of value', University of Missouri-Kansas City, 2005.

Presentation, 'Aristotle's *Poetics*', Penn Valley Community College, Kansas City, 2002.

Lecture, 'Aristotle and Schopenhauer on Tragedy', Penn Valley Community College, Kansas City, 2002.

Conference paper, entitled 'Rorty and the Challenge of Postmodernism', University of Oklahoma, 2000.

Presented on 'Syntax and Semantics: Donald Davidson, Alfred Tarski, and Convention-T', Wichita State University, 1999.

### **Professional Activities**

Reviewer: *Journal of Conflict Resolution, Computers & Security, Science and Engineering Ethics*

Member: British International Studies Association

Member: U.S. Naval Institute

### **U.S. Naval Academy Non-Academic Service**

Political Science departmental Scheduler (2015-2016), Humanities and Social Sciences Division watch officer (2015-2016), Cyber Science departmental Financial manager (2016-2018), USNA Funeral Service Honors (2015-2019), Mathematics and Sciences Division watch officer (2016-2019), Cyber Science Department Coordinator for Midshipmen Group Study Programs (2016-2019), Information Warfare Community Practicum Instructor (2015-present), Intelligence Officer Service Assignment (2015-present), United Kingdom and International Scholarship Program (UKISP) support officer (2015-present), Cyber Science department Curriculum Committee member (2016-present), Cyber Science department Research Committee member (2016-present), Cyber Science department Recruitment Committee member (2016-present), Cyber Europe Language Proficiency, Regional Expertise, Cultural Awareness (LREC) Officer (2016-present), Cyber Science Department Library Liaison (2016-present), Cyber Science Department Associate Chair (2019-present), Naval Academy Duty Officer (NADO) (2020-present).

### **Non-Academic Work Experience**

2006-Present – Active Duty Naval Intelligence Officer (Information Warfare Officer Qualified)

- Experience includes an operational tour with Helicopter Squadron Five aboard the aircraft carrier USS EISENHOWER (from 2007-2009), working as an analyst at U.S. Africa Command (from 2009-2012), and leading as a staff officer (N2) for Commander Task Force SIX SEVEN (CTF-67) in Sigonella, Sicily (2012-2015).
- Awarded the Joint Service Achievement Medal for work during the 2011 Libya Crisis, where my analytical products were used to brief senior decision makers in the Department of Defense, the Department of State, and the President of the United States. Also awarded the Defense Meritorious Service Medal, and the Navy Commendation and Achievement Medals (each with Gold Stars in lieu of Second Awards).
- Military service includes significant operational experience providing Information Warfare support to Special Operations.

#### 2002-2005 – Statistical Quality Control Analyst, Pearson Government Solutions

- Functioned as a key contractually required member of an independent internal reporting/investigating cell whose central role was to be the liaison between the contractor and the United States Federal Government agencies on all Quality-related matters for the EFAST government project.
- Software auditing experience using languages/tools such as SQL, TOAD, Perl, Access, VEDIT, ENDUSER, Visual Basic, and ORACLE-error summaries.
- Responsible for statistical process control, the use of process metrics to determining the root cause of problems, auditing, sampling plans, document control, project coordination, training, as well as frequent interaction with government agencies such as the Department of Labor, Internal Revenue Service, Social Security Administration, as well as the Pension and Welfare Benefits Administration (PWBA), PBGC and EBSA.

#### 1997-2002 – Statistical Quality Control Analyst (Six Sigma Black Belt), Bombardier Aerospace Learjet

- Applied statistical quality control techniques in an effort to improve manufacturing and business practices, gathering and analyzing defect and process data using programs such as Access, Excel and Minitab, leading and working on Six-Sigma teams, performing system and process audits on suppliers, training other departments in quality related functions, and working with the FAA to initiate changes to the quality systems and procedures that govern current manufacturing and business processes.
- Analytical techniques included: internal audits, sampling inspections, sampling plans, experience reading blue-prints, extensive experience with corrective action and supplier relations, extensive experience with Quality Systems and procedures including development and verification to Federal Aviation Administration (FAA) regulatory requirements.

### **Academic References**

Dr. Charles Jones  
 Department of Politics and International Studies  
 University of Cambridge  
 Alison Richard Building  
 7 West Road  
 Cambridge, CB3 9DT  
 UK  
 Phone: +44 (0)1223 335393  
 E-mail: caj26@cam.ac.uk

Dr. Duncan Bell  
Department of Politics and International Studies  
University of Cambridge  
Alison Richard Building  
7 West Road  
Cambridge, CB3 9DT  
UK  
Phone: +44 (0)1223 767249  
E-mail: dsab2@cam.ac.uk

Dr. Tarak Barkawi  
Department of International Relations  
London School of Economics  
Houghton Street  
London WC2A 2AE  
UK  
Phone: +44 (0)2079 557526  
Email: tarak.barkawi@gmail.com

Dr. Mohammed Hafez  
Department of National Security Affairs  
Naval Postgraduate School  
Monterey, California  
USA  
Ph: (312) 756-2641  
E-mail: mmhafez@nps.edu

### **Addresses**

Institutional:  
Department of Cyber Science  
U.S. Naval Academy  
117 Decatur Ave, Leahy Hall  
Room 101  
Annapolis, MD 21402  
Phone: 410-293-0937  
Email: hatfield@usna.edu

*Updated - 14 January 2020*