JENNIFER MCARDLE

Administration of Justice and Homeland Security
Salve Regina University
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EDUCATION

King's College London   **London, UK**
Doctor of Philosophy in War Studies   September 2015 ~ December 2019

University of Cambridge, Queens' College   **Cambridge, UK**
Master of Philosophy in Political Science   October 2009 – November 2010
Upper Honors

University of New Hampshire   **Durham, NH**
Bachelor of Arts in Political Science and Justice Studies   September 2005 – June 2009
Summa cum laude, Phi Beta Kappa

EXPERIENCE

Salve Regina University   **Newport, RI**
Administration of Justice and Homeland Security
Assistant Professor of Cyber Defense   September 2016 - present
Adjunct Professor of Cybersecurity   June 2016- August 2016

Center for Strategic and Budgetary Assessments   **Washington DC**
Non-Resident Fellow   March 2018 - present

American Foreign Policy Council   **Washington DC**
Fellow in Defense Studies   December 2016 - present

Potomac Institute for Policy Studies   **Arlington, VA**
Center for Revolutionary Scientific Thought (CReST)
Non-Resident Fellow   July 2016- December 2016
Associate & CReST Fellow   March 2014- June 2016

American Association for the Advancement of Science   **Washington DC**
Center for Science, Technology, and Security Policy
Program Associate   September 2012 - February 2014

Observer Research Foundation   **New Delhi, India**
Asia Pacific Security Initiative
Visiting Fellow and Non-Resident Fellow   October 2011- September 2012

Institute for Defense Studies and Analyses   **New Delhi, India**
Visiting Fellow   June 2011- September 2011

National Defense University   **Washington DC**
Institute for National Strategic Studies (INSS)
Contractor   January 2011 – May 2011

PUBLICATIONS
Peer Reviewed Journal Articles
1. Spidalieri F. and McArdle J., "Transforming the Next Generation of Military Leaders into Cyber-Strategic Leaders: The Role of Cybersecurity Education in U.S. Service Academies," *The Cyber Defense Review* 1 (April 2016).

Think Tank Reports and Other Articles
1. Harrison, R., McArdle, J. "Artificial Intelligence Strategic Primer," *American Foreign Policy Council* (forthcoming 2019).

2. McArdle, Jennifer, "Victory Over and Across Domains: Training for Tomorrow's Battlefield," *Center for Strategic and Budgetary Assessments* (forthcoming 2019).

3. McArdle, Jennifer, "Rethinking Cyber Training for the Non-Cyber Warrior: Conference Findings," *Pell Center for Public Policy and International Relations* (forthcoming 2019).

4. Hathaway M., Demchak C., Kerben J., McArdle J., Spiadelieri F., "India: Cyber Readiness at a Glance," *Potomac Institute for Policy Studies* (February 2017).

5. Hathaway M., Demchak C., Kerben J., McArdle J., Spiadelieri F., "Italy: Cyber Readiness at a Glance," *Potomac Institute for Policy Studies* (November 2016).

6. "The Role of Live, Virtual, and Constructive Training," *Potomac Institute for Policy Studies* (November 2016).

7. Hathaway M., Demchak C., Kerben J., McArdle J., Spiadelieri F., "United Kingdom: Cyber Readiness at a Glance," *Potomac Institute for Policy Studies* (November 2016).

8. Hathaway M., Demchak C., Kerben J., McArdle J., Spiadelieri F., "Germany: Cyber Readiness at a Glance," *Potomac Institute for Policy Studies* (October 2016).

9. Hathaway M., Demchak C., Kerben J., McArdle J., Spiadelieri F., "France: Cyber Readiness at a Glance," *Potomac Institute for Policy Studies* (September 2016).

10. Hathaway M., Demchak C., Kerben J., McArdle J., Spiadelieri F., "Japan: Cyber Readiness at a Glance," *Potomac Institute for Policy Studies* (September 2016).

11. Hathaway M., Demchak C., Kerben J., McArdle J., Spiadelieri F., "United States of America: Cyber Readiness at a Glance," *Potomac Institute for Policy Studies* (September 2016).

12. McArdle, Jennifer, "An Assessment of Russian and Chinese Offensive Cyber Operations on U.S. Space Assets," in Eric Sterner and Jennifer McArdle, "Cyber Threats to the Space Domain," American Foreign Policy Council *Defense Technology Program Brief* (March 2016).

13. Hathaway M., McArdle J., Spidalieri F., "Reflections on OAS Cyber Security," in Organisation of the American States, *Observatory of Cyber Security in Latin America and the Caribbean* (March 2016).

14. Hathaway M., Demchak C., Kerben J., McArdle J., Spiadelieri F., "Cyber Readiness Index 2.0: A Place for Cyber Readiness, A Baseline and an Index," *Potomac Institute for Policy Studies* (November 2015).

15. McArdle J., Barnett B., Goodson K., "The Cost of Access," *STEPS* (October 2015).

16. McArdle, Jennifer, "Transforming Defense: The Potential Role of 3D Printing," American Foreign Policy Council, *Defense Dossier* 13 (February 2015).

17. Leutert W., McArdle J., Gerbin S., "South China Sea: From Technical Cooperation to Mutual Trust?" Center for Strategic and International Studies, *Issues & Insights* 14.6 (June 18, 2014).

18. McArdle J., Cheetham M., "The Soft Power of Science in Cybersecurity," *Seminar Magazine* (March 2014).

19. Coat G., McArdle J., Marburger L., Berger K., "Scientific Engagement in the Broader Middle East and North Africa: Promoting a Safe and Secure Research Environment," *American Association for the Advancement of Science* (September 2013).

20. McArdle, Jennifer, "Wading out to Sea: The Evolution of India and Indonesia's Naval Mindset," *Observer Research Foundation Occasional Paper* 36 (July 2012).

Professional Research Engagement and Opinion Articles

1. Sahay, U., Estes, T., McArdle, J., Schnedier, J. "WOTR Podcast: Training the Military for the Next War," *War on the Rocks Podcast,* 13 September 2018.

2. McArdle, Jennifer, "Pioneers of Deception: Lessons from the Ghost Army," *War on the Rocks,* 8 May 2018.

3. McArdle, Jennifer, "Gaming to Victory: The Virtues of Synthetic Training for Future Networked Combat," *War on the Rocks,* 15 November 2017.

4. McArdle, J. and Lt. Gen. Blondin. "No Longer Science Fiction: Enhancing Military Readiness Through Synthetic Training," *War on the Rocks,* 24 March 2017.

5. McArdle, J. and Catalan B., "Cybersecurity is essential to college study," *Newport Daily News*, 3 October, 2016.

6. McArdle, Jennifer, "Five Reasons Why the Newly Minted Sino-US Cyber Agreement on Industrial Espionage Will Fail," *The National Interest,* 2 November 2015.

7. McArdle J., Rajagopalan R., "Chalein Saath Saath: Forward Together We Go (In Space)?" *Space News*, 6 October 2014.

8. Rajagopalan R., McArdle J., "Modi's U.S. Visit: Can Space Transform the Relationship?" *Space News*, 29 September 2014.

9. McArdle J., Barnett B., "Understanding ISIL Messaging through Behavioral Science," *The Pacific Standard*, 17 September 2014.

10. McArdle, Jennifer, "Hardware Security in the U.S.- Indian Cyber Dialogue," *The National Interest,* 30 June 2014.

11. McArdle, Jennifer, "Rethinking Property in the Digital Era*," The National Interest*, 4 May 2014.

12. McArdle, Jennifer, "Indonesia and Chinese 'congagement'," *Asia Times Online, Speaking Freely*, 16 August 2012.

13. McArdle, Jennifer, "India Eyes Its Cinderella Service," *The Diplomat*, 20 April 2012.

14. McArdle, Jennifer, "What's India Up To?" *INSS Dynamic Dialogue*, National Defense University, February 22, 2011.

Also featured in *Real Clear World*, *Real Clear History, Rear Clear Defense, National Defense Magazine*, *FierceGovernmentIT, MotherJones, CyberScoop, GovInfo Security*, *Homeland Security Newswire, the Providence Journal, Providence Business News, GoLocalProv, Talent Economy, Diplomatic Courier,* and *DNA India*.

INVITED PRESENTATIONS AND GUEST LECTURES

1. McArdle, Jennifer, "Reimagining the Integrated Force for a Contested and Complex Battlespace," Inter-Industry, Training, Simulation and Education Conference (I/ITSEC) Ignite Speaker Series, 22 November 2018.

2. McArdle, Jennifer, "Multi-Domain Battle and the Synthetic Training Environment: Linking Training to Doctrine," Synthetic and Simulated Training Summit, Institute for Defense and Government Advancement, Orlando, FL, 9 October 2018.

3. McArdle, Jennifer, "Developing Town and City Cyber Resilience," League of Cities and Towns Annual Meeting, Warwick, RI, 27 September 2018.

4. McArdle, Jennifer, "The Future LVC Architecture for Integrated Operations," Salve Regina University Conference, "Victory Over and Across Domains: Networked Training for Tomorrow's Battlefield," Newport, RI, 7 September 2018.

5. McArdle, Jennifer. "The 'Disruptive World' and the Integrated Force: Readiness through LVC," Royal Australian Air Force Air Power Conference, Canberra, Australia, 20 March 2018.

6. McArdle, Jennifer. "The End of Privacy?: How the Digital Age is Undermining Privacy and What to Do About It," University of New Hampshire, Cyber Awareness Month, Durham, NH, 26 October 2017.

7. McArdle, Jennifer and LTC Tanya Estes. "Cyber and the Weapons of the Weak" round table chairs, U.S. Military Academy, Student Conference on U.S. Affairs, West Point, NY, 1-4 November 2017.

8. McArdle, Jennifer. "Understanding Cyber Conflict," University of New Hampshire, Durham, NH, 2 December 2016.

9. McArdle, Jennifer. "Live, Virtual, and Constructive Training," Inter-Industry, Training, Simulation and Education Conference (I/ITSEC), CAE Client Reception, Orlando, FL, 29 November 2016.

10. McArdle, Jennifer. "The Cyber Readiness Index 2.0, A Plan for Cyber Readiness: A Baseline and an Index," University of Oxford, Oxford Martin School, Global Cyber Security Capacity Centre, Oxford, United Kingdom, January 2016.

11. McArdle, Jennifer "Science and Technology Policy," FelCom Career Development Think Tank Panel, U.S. National Institute of Health, Bethesda, MD, April 2015.

12. McArdle, Jennifer. "The Soft Power of Science in Cybersecurity," Observer Research Foundation and Federation of Indian Chambers of Commerce and Industry CyFy Conference, New Delhi, India, October 2013.

13. McArdle, Jennifer. "Wading out to Sea: The Evolution of India and Indonesia's Naval Mindset," Institute for Defence Studies and Analyses, New Delhi, India, July 2011.

Additionally, currently moderates the Salve Regina University *Warrior Women: Empowering Young Women in National Security* series. Formerly moderated a series of panel discussions on emerging technology and national security at the American Association for Advancement of Science and

CONFERENCE PAPERS
1. McArdle, Jennifer. "Modeling and Simulating a Contested and Complex Battlespace for the Warfighter," International Studies Association (ISA), Toronto, Canada, 27 March 2019.

2. McArdle, Jennifer. "National Innovation Ecosystems and the Information Communication Technology Economy," International Studies Association (ISA), San Francisco, CA, 4 April 2018.

3. McArdle, Jennifer. "Preempting Finlandization: A New Framework for Indonesia Military Strategy," 5th Annual Indonesia Forum, Yale University and Universitas Gadjah Mada,, Yogyakarta, Indonesia, July 2012.

WAR GAMES
1. Naval War College, "International Crisis War Game and Plenary," Newport, RI, November 16, 2018 (facilitator).

2. United States Air Force, "Doolittle War Game: Multi Domain Command and Control," Maxwell Air Force Base, Montgomery, AL, November 5-8, 2018 (participant).

GRANTS
1. CAE, Inc. ($180,000) – "Computer Network Operations and Military Synthetic Training" 2017–2018 (Principal Investigator).

TRACK 1.5 DIALOGUES
1. Pell Center for International Relations and Fondation pour la Recherche Strategique, "The Franco-US Rochambeau Defense Dialogue," Newport, RI, September 16-18, 2018 (US delegate).

TAUGHT COURSES
Undergraduate:
ADJ 243: Comparative Law and Justice in a Deeply Cybered World (Fall 2016)
ADJ 399: Disruptive Technologies, National Security, and Innovation (Spring 2017)
Graduate:
ADJ 518: Public Policy and National Defense (Spring 2017, Spring 2019)
ADJ 543: Cyber Intelligence (Summer 2016, Fall 2016, Fall 2018)
ADJ 580: Capstone Master's Thesis in Cybersecurity (Spring 2017)
ADJ 581: Cyber Operations of Military Synthetic Training (Fall 2017, Spring 2018, Fall 2018, Spring 2019)
ADJ 581: Artificial Intelligence and National Security (Fall 2018, Spring 2019)
HCA 581: Cybersecurity and Resiliency in Healthcare Administration (Fall 2016, Spring 2017)

SERVICE TO UNIVERSITY
- Search Committee, Administration of Justice Department Chair, Fall 2018- present
- Adjunct Faculty Fellow, Pell Center for International Relations and Public Policy, Fall 2017- present
- Search Committee, Digital Forensics Lecturer, Spring 2017
- Committee Member, Atwood Committee Lecture, Spring 2017- present
- Committee Member, Library Committee, Spring 2017 – present
- Faculty Adviser, Cybersecurity Club, Fall 2016- Spring 2018

SCHOLARSHIPS
2017: Awardee of 2017 $10K Doctoral Studies RADM Fred Lewis (I/ITSEC) Scholarship
2014: Aspen Institute Socrates Fellow
    Selected in nationwide competition to participate in the cyber security roundtable, awarded $1K scholarship

PROFESSIONAL ACTIVITIES
- I/ITSEC Education Subcommittee, article reviewer, 2018 – present.

- Congressman James Langevin's Cyber Rhode Island Advisory Committee member, 2017-present

- King's College London Cyber Security Research Group, 2017 – present.

- International Studies Association, member, 2016 – present.

- World Economic Forum, DC Global Shaper, 2015 – present.

- Aspen Institute Socrates Fellow, 2014 – present.

- Digital Issues Discussion Group member, 2017 – 2018.

- National Defense Industrial Association, member, 2017 – 2018.

- Women in International Security, member, 2017 – 2018

- Women's Society of Cyberjutsu, member, 2017 – 2018

- American Academy for Strategic Education Class IX on "Net Assessment and Competitive Strategy," October 2017.

- 3rd Chinese- U.S.- European Young Leaders Exchange Program, Beijing, China, October 2016.

- Cyber Discussion Group Co-Chair, Young Professionals in Foreign Policy, Washington DC, 2015 – 2016.

- Center for Strategic International Studies Pacific Forum Young Leader, 2013 – 2014.
    - Selected to participate in 2013 Council for Security Cooperation in the Asia-Pacific General Conference in Beijing, China; South China Sea working group

HONORS
2012: Young Professionals in Foreign Policy "Top 99 Under 33 in Foreign Policy"
    - Highlighted in September/ October 2012 edition of *Diplomatic Courier*
2009: Phi Beta Kappa
2009: UNH Presidential Scholar
2009: UNH Undergraduate Research Conference Award of Excellence
2008: UNH University Scholar
2008: Golden Key International Honor Society
2008: Pi Sigma Alpha- American National Political Science Honor Society
2007: Alpha Phi Sigma- Delta Zeta American National Criminal Justice Honor Society