



## ***iHL: Human Rights, Law, and Security in the Information Age***

*Presented by the American University International Law Review, in partnership with the  
U.S. Department of State's Bureau of Democracy, Human Rights and Labor, American  
Red Cross, American Society of International Law, and  
Washington Foreign Law Society*

**February 17, 2016**

**9:00 am - 4:30 pm**

American University Washington College of Law  
4300 Nebraska Avenue, NW, Washington, DC  
**Claudio Grossman Hall**

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| 8:30 - 9:00 AM   | <b>Registration and Coffee Service</b>  |
| 9:00 - 9:05 AM   | Introduction, <i>Manmeet Thind</i> , Symposium Editor   |
| 9:05 - 9:15 AM   | Welcome Remarks, <i>Dean Claudio Grossman</i> , American University Washington College of Law   |
| 9:15 - 9:30 AM   | Keynote Remarks, <i>Assistant Secretary Tom Malinowski</i> , United States Department of State  |
| 9:30 - 10:50 AM  | <b><u>Panel 1: Human Rights in Modern Conflict</u></b><br><i>Christie Edwards</i> , Director, International Humanitarian Law, American Red Cross<br><i>Lawrence Lewis</i> , Senior Advisor, United States Department of State<br><i>Naureen Shah</i> , Director, Security with Human Rights, Amnesty International<br><b><u>MODERATOR: D. Wes Rist</u></b> , Director of Education and Research, ASIL |
| 10:50 - 11:00 AM | Break   |

- 11:00 AM - 12:30 PM    **Panel 2: ICT for Human Rights**  
*Susan Wolfenbarger*, Director, Geospatial Technologies Project, AAAS  
*Scott Edwards*, Senior Advisor, Crisis Response, Amnesty International  
*Nathaniel Raymond*, Director, Signal Program on Human Security and Technology, Harvard Humanitarian Initiative  
*Morgan Hargrave*, Systems Change Coordinator, WITNESS  
**MODERATOR: Daniel Mahanty**, Adjunct Associate Professor, Georgetown University
- 12:30 - 1:30 PM    **LUNCH**
- 1:30- 2:50 PM    **Panel 3: Children and Armed Conflict**  
*Jo Becker*, Advocacy Director for Children’s Rights Division, Human Rights Watch  
*Sharon Riggle*, Chief of Office, UN SRSG for Children and Armed Conflict  
*Rachel Stohl*, Senior Associate, Stimson Center  
*Charu Lata Hogg*, Policy and Advocacy Director, Child Soldiers International  
**MODERATOR: Claudia Martin**, Co-Director, Academy on Human Rights and Humanitarian Law, Washington College of Law
- 2:50 - 3:00 PM    Coffee Break
- 3:00 - 4:20 PM    **Panel 4: The Human Rights Implications of Emerging Security Technologies**  
*Richard Whittle*, Global Fellow, Wilson Center, and author, *Predator: The Secret Origins of the Drone Revolution*  
*Stephen Goose*, Executive Director, Arms Division, Human Rights Watch  
*Paul Scharre*, Senior Fellow and Director, 20YY Future of Warfare Initiative, Center for a New American Security  
**MODERATOR: Jennifer Daskal**, Assistant Professor of Law, Washington College of Law
- 4:20 - 4:25 PM    Closing Remarks, *Derick Blakely*, Associate Symposium Editor



## Panel 1: Human Rights in Modern Conflict

9:30am-10:50am

This discussion will focus on mechanisms and best practices for addressing the systematic and gross violations and abuses of human rights that are increasingly common in today's conflicts. In conflicts across the globe, governments and armed groups routinely attack civilians, including women and children, and commit war crimes and terrible abuses of human rights against them. Although foreign governments and international organizations have advanced in their capacity to monitor and report on human rights in conflict situations, few perpetrators of mass abuses against civilians are held accountable.

### SPEAKERS:

Christie Edwards	Director, International Humanitarian Law, American Red Cross
Lawrence Lewis	Senior Advisor, U.S. Department of State
Naureen Shah	Director, Security with Human Rights, Amnesty International

### MODERATOR:

D. Wes Rist	Director of Education and Research, American Society of International Law
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## Panel 2: ICT for Human Rights

11:00am-12:30pm

From citizen journalism and social media to satellite imagery and big data, information and communication technologies have proven extremely valuable for the documentation of human rights abuses. However, with this new use of technology comes significant challenges, questions and caveats, including concerns over the credibility of information, its permissibility in court, and the security of data and, more importantly, its human sources. This session will acquaint the audience with the current and potential applications of technology and data for human rights documentation and accountability through practical demonstrations and examples, while addressing the practical and ethical challenges.

### **SPEAKERS:**

Susan Wolfinbarger	Director, Geospatial Technologies Project, AAAS
Scott Edwards	Senior Advisor, Crisis Response, Amnesty International
Nathaniel Raymond	Director, Signal Program on Human Security and Technology, Harvard Humanitarian Initiative
Morgan Hargrave	Systems Change Coordinator, WITNESS

### **MODERATOR:**

Daniel R. Mahanty	Adjunct Associate Professor, Georgetown University
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## Panel 3: Children and Armed Conflict

1:30pm -2:50pm

The presentation will raise awareness on the recruitment and use of child soldiers and illustrate that the use of children as a weapon of war persists despite efforts by donor governments, multilateral and non-governmental organizations to eliminate this practice. The presentation will explore ways to effectively integrate the prevention of child recruitment.

### SPEAKERS:

Jo Becker	Advocacy Director for Children's Rights Division, Human Rights Watch
Sharon Riggle	Chief of Office, UN SRSG for Children and Armed Conflict
Rachel Stohl	Senior Associate, Stimson Center
Charu Lata Hogg	Policy and Advocacy Director, Child Soldiers International

### MODERATOR:

Claudia Martin	Co-Director, Academy on Human Rights and Humanitarian Law, Washington College of Law
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## Panel 4: The Human Rights Implications of Emerging Security Technologies

3:00pm -4:20pm

From current discussions on drones and barrel bombs to the future promise of fully autonomous weapons and nanotechnology, the full human rights implications of emerging defense technologies are often unclear, and legal frameworks and norms around their use are lacking. This panel-style discussion of industry and policy experts will aim to address some of these concerns and propose the way forward for setting much-needed norms around the use of potentially problematic defense technologies, including the justification for such guidelines according to U.S. national security objectives.

### SPEAKERS:

Richard Whittle	Global Fellow, Wilson Center, and author, <i>Predator: The Secret Origins of the Drone Revolution</i>
Stephen Goose	Executive Director, Arms Division, Human Rights Watch
Paul Scharre	Senior Fellow and Director, 20YY Future of Warfare Initiative, Center for a New American Security

### MODERATOR:

Jennifer Daskal	Assistant Professor of Law, Washington College of Law
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## **BIOGRAPHIES**

### **Panel 1: Human Rights in Modern Conflict**

#### **D. Wes Rist**



D. Wes Rist is the Director of Education and Research at the American Society of International Law (ASIL), a position he has held since 2012. At ASIL, he supervises a variety of programmatic activities for ASIL's membership, the international legal community, including judges and foreign legal practitioners, and the general public at large. Previously, he served as Assistant Director of the Center for International Legal Education at the University of Pittsburgh School of Law for six years, where he supervised Pitt Law's LL.M. Program for Foreign Law Graduates, provided advice and support to J.D. students seeking to obtain internships and employment overseas and in international law positions, and taught courses on International Human Rights Law and Terrorism & the Law. Prior to his position at Pitt Law, Rist worked as a Visiting Lecturer at the University of the West of England Faculty of Law in Bristol, UK.

He has written on international legal education issues and has worked with several different organizations, including Fulbright, Muskie, and the Open Society Foundations on those topics around the world, including Austria, the United Kingdom, Jordan, and Palestine.

Mr. Rist is a graduate of the University of Pittsburgh School of Law and holds an LL.M. (with distinction) in International Human Rights Law from UWE Bristol Law School.

#### **Christie Edwards**

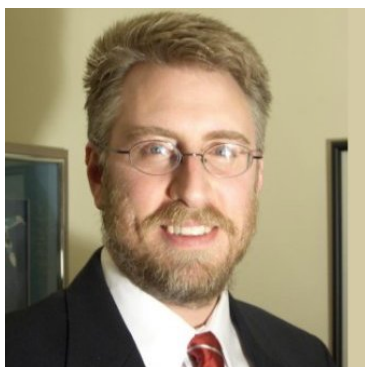


Christie Edwards has worked globally on international human rights, international humanitarian law, international development policy, and gender issues for over 15 years. As the Director of International Humanitarian Law at the American Red Cross, Christie leads the organization's legal education, public, and youth outreach efforts on IHL, directly reaching over 50,000 people per year with a social reach of over 18 million. She also serves as the Co-Chair of the American Society of International Law Women in International Law Interest Group (WILIG) and directs the Women's Mentoring Program for over 200 participants worldwide.

She received her J.D. from Thomas Jefferson School of Law, specializing in international human rights law. While in San Diego, she worked at a torture treatment clinic for political refugees, served as pro bono counsel for asylum seekers, and taught an international human rights course at TJSL as an Adjunct Professor and Pro Bono Fellow. Christie then completed her LL.M. degree at AU's Washington College of Law, specializing in international human rights and gender.

In 2010, she received a Helton Fellowship from the American Society of International Law, which allowed her to work in Casablanca, Morocco, with local NGOs on an advocacy campaign for greater legal rights for single mothers. She has published law review articles on the cultural context of sex trafficking in China, the use of gender budget analysis to achieve educational parity for women and girls, and legal advocacy strategies for women's rights in Morocco. She also speaks regularly for local and international conferences on international human rights and humanitarian law issues.

### **Lawrence Lewis**



Dr. Lewis currently serves as senior advisor to the Department of State's Assistant Secretary for Democracy, Human Rights, and Labor, providing evidence-based options for improving national security and civilian security. His focus areas include reducing civilian casualties (whether by the U.S., our partners, or other groups), counterterrorism and human rights, lethal autonomy, arms transfers and security assistance, and IHL compliance.

Previously, Dr. Lewis analyzed real world operations as the project lead and primary author for many of DOD's Joint Lessons Learned studies. A significant focus area was the issue of balancing mission effectiveness with the protection of civilians during combat operations. For example, he was the lead analyst and co-author (with Dr. Sarah Sewall at Harvard University) for the Joint Civilian Casualty Study (JCCS) in support of GEN Petraeus, GEN McChrystal, and ADM Olson (SOCOM); GEN Petraeus described the study as "the first comprehensive assessment of the problem of civilian protection." His other areas of expertise include counterinsurgency and high value targeting in Iraq, Afghanistan, the Philippines, Colombia, and elsewhere. In addition, he authored the 2012 "Lessons from a Decade of War" report for CJCS and led several studies performed in support of GEN Petraeus in Iraq.

Dr. Lewis is also a subject matter expert on the subjects of Joint and coalition interoperability, combat identification, and fratricide. He served as the U.S. National Leader for the multinational (Australia-Canada-United Kingdom-United States) analysis group TTCP Focus Area 7 (Fratricide Mitigation).

Dr. Lewis received CNA's Board of Trustees award in 2013, the Phil E. Depoy Award for Analytical Excellence in 2003, and a NASA Summer Faculty Fellowship in 1997. He was the 1994 winner of the American Physical Society/HARC Super Prize, and, in 1991, held a Robert E. Welch Pre-doctoral Fellowship.

### **Naureen Shah**



Naureen Shah is director of the Security and Human Rights program at the US section of Amnesty International. She is the author of several studies on U.S. counterterrorism including on drone strikes, domestic terrorism investigations and torture.

She is a frequent media commentator on U.S. national security policies. She has appeared on MSNBC, CNN, the BBC, PRI's The World, and



several radio outlets. Her analysis has recently been cited in coverage by the New York Times, Washington Post, LA Times and Reuters among other outlets.

Naureen holds a B.S. from Northwestern University's Medill School of Journalism, cum laude. She holds a J.D. from Columbia Law School, where she was a James Kent Scholar and Harlan Fiske Stone scholar, and received the Lowenstein Fellowship awarded to outstanding graduates pursuing public interest law.

## **Panel 2: ICT for Human Rights**

### **Daniel R. Mahanty**



Daniel R. Mahanty is an adjunct associate professor at Georgetown University in the Center for Security Studies, where he teaches the course "Human Rights and US National Security", which explores contemporary challenges at the intersection of human rights and national security. Outside of teaching, he is a Specialist Master in Deloitte Consulting's Strategy and Operations service area, providing Business Model Transformation consulting services to federal and non-profit clients. Prior to joining Deloitte, he spent fifteen years at the U.S. Department of State, where in his last position he helped to create and lead the Office of Security and Human Rights (SHR) in the Bureau of Democracy, Human Rights and Labor (DRL). His role in the creation of this office was the full expression of a federal career dedicated to aligning U.S. leadership on human rights with national security policies and practices. He is a Colin L. Powell Fellow, a term member of the Council on Foreign Relations, a member of the Truman National Security Project, and served on the board of advisors for the NGO "Women LEAD Nepal". He is originally from Greeley, Colorado. He and his wife Kristen have one son, Jackson, and dog, Harper.

### **Nathaniel A. Raymond**



Nathaniel A. Raymond is Director of the Signal Program on Human Security and Technology at the Harvard Humanitarian Initiative (HHI) of the Harvard T.I. Chan School of Public Health. He was formerly Director of Operations of the Satellite Sentinel Project at HHI, which was a co-recipient of the 2012 US Geospatial Foundation Industry Intelligence Achievement Award.

Raymond was previously Director of the Campaign Against Torture at Physicians for Human Rights and served in a variety of roles at Oxfam America, including Communications Advisor for Humanitarian Response and Interim Coordinator for Tsunami Communications for Oxfam International. He has served in the field in Afghanistan, Sri Lanka, Ethiopia, the Gulf Coast, Jordan, and elsewhere.

He is a 2013 PopTech Social Innovation Fellow and a 2010 Rockwood Leadership Institute National Security and Human Rights Reform Fellow. Raymond is a co-winner of the 2013 USAID and Humanity United Tech Challenge for Mass Atrocity Prevention. He has co-written four major peer-reviewed articles on the use of information communication technologies in humanitarian response and human rights work.

## **Susan Wolfinbarger**



Susan R. Wolfinbarger, PhD, is the Director for the Geospatial Technologies Project, a part of the Scientific Responsibility, Human Rights and Law Program of the American Association for the Advancement of Science (AAAS) where she oversees the projects of AAAS that deal with the applications of geospatial technologies to a range of human rights and humanitarian issues. Her research interests focus on the use of satellite remote sensing as evidence in legal cases, particularly those related to human rights; advancing human rights outcomes through geospatial documentation; feminist and critical views of technology; and the implications and ethics related to the rapid rise in the use of geographic technologies, including volunteered geographic information. She has provided training to multiple human rights organizations, courts, and commissions regarding the implementation of appropriate geospatial methodologies to human rights documentation and litigation. Susan has provided her expertise in remote sensing technologies to multiple international courts and commissions. She has published on the uses of remote sensing for human rights fact finding, land cover and land use change, forced migration, and environmental rights documentation. She holds the degrees Doctor of Philosophy (Ph.D.) in Geography from The Ohio State University; Master of Arts (M.A.) in Geography from The George Washington University; and Bachelor of Arts (B.A.) in Geography and Spanish from Eastern Kentucky University. Susan is a Consulting Scholar at the University of Pennsylvania Museum.

## **Scott Edwards**



Scott Edwards is the Senior Advisor of Crisis Response with the International Secretariat at Amnesty International. He completed his doctoral work in Political Science at the University of Illinois, Urbana-Champaign, focusing on causes and consequences of violent political conflict, and has written and consulted extensively on complex humanitarian crises, protection, and armed conflict. His current professional activity focuses on the development of early warning mechanisms for humanitarian crises, as well as the practical use new methods and technologies for human rights compliance monitoring and evidence collection. Dr. Edwards previously served as Amnesty International's Advocacy Director for Africa and as Director of the Science for Human Rights Program.

## **Morgan Hargrave**



Morgan is a part of WITNESS' Systems Change work, a set of big-picture tools and advocacy that aims to help tailor the digital landscape to fit the needs of journalists, activists, and human rights witnesses of all stripes. He also works on the Video as Evidence and Video Advocacy Critical Response programs at WITNESS. Previously, he's worked as an advocate, organizer, researcher, filmmaker, and project manager. A native Texan, he studied business and policy, first at Texas Tech University and then at Harvard.

### **Panel 3: Children and Armed Conflict**

#### **Claudia Martin**



Claudia Martin is a professorial lecturer in residence. She teaches and specializes in international law and international protection of human rights. A lawyer from Argentina, she also holds an LLM degree from WCL. She is co-director of the Academy on Human Rights and International Humanitarian Law which sponsors the Summer Program, the Inter-American Moot Court Competition and the Annual Meeting on Human Rights, among others.

#### **Jo Becker**



Jo Becker is the advocacy director of the children's rights division at Human Rights Watch. As the founding chairperson of the international Coalition to Stop the Use of Child Soldiers, she helped campaign successfully for an international treaty banning the forced recruitment of children under age 18 or their use in armed conflict. Her advocacy also helped lead to a groundbreaking 2011 treaty ensuring labor rights for domestic workers, which number 50-100 million worldwide. She has conducted field investigations on children's rights in Burma, Ghana, India, Indonesia, Morocco, Nepal, Sri Lanka, Uganda, and the United States. Based on her expertise on the issue of child soldiers, she has

addressed the United Nations Security Council, testified before the US Senate Foreign Relations Committee, conducted trainings for US and African military officers, and testified as an expert in a Dutch war crimes trial. She has written several Human Rights Watch reports and her op-eds have appeared in the Washington Post, International Herald Tribune, The Guardian, and other major papers. She is also the author of an award-winning book, *Campaigning for Justice: Human Rights Advocacy in Practice* (Stanford University Press, 2013) and teaches human rights advocacy at Columbia University.

#### **Sharon Riggle**



Ms. Riggle, a national of the United States, is currently the Chief of Office for the SRSG CAAC. She is Senior Policy Advisor to the SRSG and is in charge of programmatic and administrative oversight for the office. She has a wide range of regional expertise from Africa, Europe and Asia-Pacific. Prior to the CAAC office, she was Director of the UN Regional Centre for Peace and Disarmament in Asia and the Pacific, covering 43 countries and assisting them reach their disarmament goals. Ms. Riggle recently has served as a senior officer at both the UN World Food Programme, and the United Nations peacekeeping mission in Sudan—where she was also on the Darfur Mediation Team. Previously, she served several years as the Director of the Centre for European Security and Disarmament in Brussels,

as well as the Head of the Strategic Development Unit for the OSCE Mission to Serbia and Montenegro working on police reform. She earned a BA in Psychology and Spanish (dual degree) from Michigan State University, an MA in International Relations from the University of Kent (UK)

and is a PhD candidate in post-conflict reconstruction and reconciliation at the University of York (UK).

### **Rachel Stohl**



Rachel Stohl is a Senior Associate with Stimson's Managing Across Boundaries Initiative. Her areas of expertise focus on issues relating to the international arms trade, including drones, small arms and light weapons, as well as children and armed conflict.

Prior to joining Stimson she was an Associate Fellow at Chatham House, the Royal Institute of International Affairs, from 2009-2011. She was a Senior Analyst at the Center for Defense Information in Washington, DC from 1998-2009. Stohl has also been a consultant for many international organizations, including Oxfam, Project Ploughshares, SIPRI, the Small Arms Survey, and World Vision. She served as a Scoville Fellow at the British American Security Information Council in DC and worked at the United Nations Center for Disarmament Affairs in New York and at the Program for Arms Control, Disarmament, and Conversion in Monterey, CA. Stohl is an adjunct professor in the Security Studies Program at Georgetown University.

Stohl was the consultant to the UN ATT process from 2010-2013 and was previously the consultant to the UN Group of Governmental Experts (GGE) on the Arms Trade Treaty in 2008 and the UN Register for Conventional Arms in 2009.

Stohl is co-author of two books, *The International Arms Trade* (Polity Press, 2009) and *The Beginners Guide to the Small Arms Trade* (Oneworld Publishing, 2009). She has appeared in numerous documentaries, including "Making a Killing: Inside the International Arms Trade," available on the DVD of the feature film *Lord of War*.

Stohl holds an M.A. in international policy studies from the Monterey Institute of International Studies and an honors B.A. in political science and German from the University of Wisconsin-Madison.

### **Charu Lata Hogg**



Charu joined Child Soldiers International as Asia Program Manager in 2009 and is responsible for our programs in Myanmar, Thailand and India. Prior to this she was the South Asia researcher with Human Rights Watch, covering India, Sri Lanka, Bangladesh and Nepal. Before that she was an international journalist in India and Sri Lanka for over 12 years, writing for *India Today*, *Outlook*, *The Times of India*, *Far Eastern Economic Review*, *BBC*, *South China Morning Post* and others, as well as undertaking consultancies for numerous international organisations. She is an Associate Fellow in the Asia Programme at UK think tank Chatham House, where she periodically briefs governments, NGOs, corporations and the media. Charu is a graduate of Hindu College, University of Delhi and the London School of Economics and Political Science.



## **Panel 4: The Human Rights Implications of Emerging Security Technologies**

### **Jennifer Daskal**



Jennifer Daskal joined American University Washington College of Law (WCL) in 2013 as an Assistant Professor of Law. She teaches and writes in the fields of criminal law, national security law, and constitutional law. From 2009-2011, Daskal was counsel to the Assistant Attorney General for National Security at the Department of Justice and, among other things, served on the Secretary of Defense and Attorney General-led Detention Policy Task Force. Prior to joining DOJ, she was the senior counterterrorism counsel at Human Rights Watch, worked as a staff attorney for the Public Defender Service for the District of Columbia, and clerked for the Honorable Jed S. Rakoff. She spent two years before joining WCL's faculty as a national security law fellow and adjunct professor at Georgetown Law Center.

Daskal is a graduate of Brown University, Harvard Law School, and Cambridge University, where she was a Marshall Scholar. Recent publications include *The Un-Territoriality of Data*, 326 Yale L.J. 326 (2015); *Pre-Crime Restraints: The Explosion of Targeted, Non-Custodial Prevention*, 99 Cornell L. Rev. 327 (2014); *After the AUMF*, 5 Harvard Nat'l Sec. L. J. 115 (2014) (co-authored with Steve Vladeck); and *The Geography of the Battlefield: A Framework for Detention and Targeting Outside the 'Hot' Conflict Zone*, 171 Penn. L. Rev. 1165 (2013). Daskal has published op-eds in the New York Times, Washington Post, International Herald Tribune, L.A. Times, and Salon.com, and she has appeared on BBC, C-Span, CNN, MSNBC, and NPR, among other media outlets. She is an Executive Editor of and regular contributor to the Just Security blog.

### **Richard Whittle**



Richard Whittle is the author of *Predator: The Secret Origins of the Drone Revolution* (Henry Holt and Company, September 2014), and of *The Dream Machine: The Untold History of the Notorious V-22 Osprey* (Simon & Schuster, 2010). A Global Fellow in International Security Studies at the Woodrow Wilson International Center for Scholars in Washington, during 2013-14 Whittle was also Verville Fellow at the Smithsonian Institution's National Air and Space Museum. He writes occasionally for *Air & Space Smithsonian*, the web site *Breaking Defense*, and other publications, and from 1984-2006 covered the Pentagon and other Washington beats for *The Dallas Morning News*. Earlier in his career, Whittle wrote about defense and foreign policy for *Congressional Quarterly* and was an editor at National Public Radio. His articles have been published in the *New York Post*, the *Christian Science Monitor*, a wide range of other newspapers and magazines, and on *The Atlantic Monthly* web site. He has also appeared as an interview guest on "The Daily Show with Jon Stewart," C-SPAN, NPR, and a variety of other television and radio broadcasts.

Fluent in German, Whittle also speaks conversational French. He has written in German for newspapers including *Die Zeit* (Hamburg), *Neue Zürcher Zeitung* (Zurich) and *Süddeutsche Zeitung* (Munich). He has also served on occasion as a guest commentator on German and Swiss public radio.

Whittle began his career as a reporter for *The News and Observer* of Raleigh, North Carolina, after graduate study in government at William & Mary College and in journalism at the University of North Carolina at Chapel Hill. He and his wife live near Washington, D.C.

### **Stephen Goose**



Stephen Goose, director of Human Rights Watch's Arms Division, was instrumental in bringing about the 2008 convention banning cluster munitions, the 1997 treaty banning antipersonnel mines, the 1995 protocol banning blinding lasers, and the 2003 protocol requiring clean-up of explosive remnants of war. He and Human Rights Watch co-founded the International Campaign to Ban Landmines (ICBL), which received the 1997 Nobel Peace Prize. Goose created the ICBL's Landmine Monitor initiative, the first time that non-governmental organizations around the world have worked together in a sustained and coordinated way to monitor compliance with an international disarmament or humanitarian law treaty. In 2013, he and Human Rights Watch co-founded the Campaign to Stop Killer Robots, which Human Rights Watch coordinates globally. Before joining Human Rights Watch in 1993, Goose was a US congressional staffer and a senior researcher at the Center for Defense Information.

### **Paul Scharre**



Paul Scharre is a Senior Fellow and Director of the 20YY Future of Warfare Initiative at the Center for a New American Security.

From 2008-2013, Mr. Scharre worked in the Office of the Secretary of Defense (OSD) where he played a leading role in establishing policies on unmanned and autonomous systems and emerging weapons technologies. Mr. Scharre led the DoD working group that drafted DoD Directive 3000.09, establishing the Department's policies on autonomy in weapon systems. Mr. Scharre also led DoD efforts to establish policies on intelligence, surveillance, and reconnaissance (ISR) programs and directed energy technologies. Mr. Scharre was involved in the drafting of policy guidance in the *2012 Defense Strategic Guidance*, *2010 Quadrennial Defense Review*, and Secretary-level planning guidance. His most recent position was Special Assistant to the Under Secretary of Defense for Policy.

Prior to joining OSD, Mr. Scharre served as a special operations reconnaissance team leader in the Army's 3rd Ranger Battalion and completed multiple tours to Iraq and Afghanistan. He is a

graduate of the Army's Airborne, Ranger, and Sniper Schools and Honor Graduate of the 75th Ranger Regiment's Ranger Indoctrination Program.

Mr. Scharre has published articles in the *New York Times*, *Foreign Policy*, *Politico*, *Proceedings*, *Armed Forces Journal*, *Joint Force Quarterly*, *Military Review*, and in academic technical journals. He has presented at the United Nations, NATO Defence College, Chatham House, National Defense University and numerous other defense-related conferences on robotics and autonomous systems, defense institution building, ISR, hybrid warfare, and the Iraq war. He has appeared as a commentator on CNN, MSNBC, NPR, the BBC, and Swiss and Canadian television. Mr. Scharre is a term member of the Council on Foreign Relations. He holds an M.A. in Political Economy and Public Policy and a B.S. in Physics, cum laude, both from Washington University in St. Louis.