

-The Impact Symposium-

PRIVACY & SECURITY IN THE ERA OF BIG DATA

DR. PW SINGER

**STRATEGIST AND SENIOR FELLOW, NEW AMERICAN FOUNDATION;
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Peter Warren Singer is Strategist and Senior Fellow at the New America Foundation, founder of NeoLuddite, a technology advisory firm, the author of multiple award winning books, and a contributing editor at Popular Science magazine. He has been named by the Smithsonian Institution-National Portrait Gallery as one of the 100 "leading innovators in the nation," by Defense News as one of the 100 most influential people in defense issues, and by Foreign Policy Magazine to their Top 100 Global Thinkers List, of the people whose ideas most influenced the world that year.

Dr. Singer is considered one of the world's leading experts on changes in 21st century warfare. He has consulted for the US Military, Defense Intelligence Agency, and FBI, as well as advised a wide-range of entertainment programs, including for Warner Brothers, Dreamworks, Universal, HBO, Discovery, History Channel, and the video game series Call of Duty, the best-selling entertainment project in history. He served as coordinator of the Obama-08 campaign's defense policy task force and was named by the President to the US Military's Transformation Advisory Group. He has provided commentary on military affairs for nearly every major TV and radio outlet, including ABC-Nightline, Al Jazeera, BBC, CBS-60 Minutes, CNN, FOX, NPR, and the NBC Today Show.

In addition to his work on conflict issues, Singer is a member of the US State Department's Advisory Committee on International Communications and Information Policy. He has been quoted in every major U.S. newspaper and news magazine and delivered speeches at a range of venues including the U.S. Congress, South by Southwest, The Festival of Dangerous Ideas, TED, the royal court of the UAE and over 75 universities around the world. In the entertainment sector, he has received awards/support from the Tribeca Film Institute, Sloan Filmmakers Fund, Film Independent, and FAST Track at the L.A. Film Festival.



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His first book *Corporate Warriors: The Rise of the Privatized Military Industry* (Cornell University Press) pioneered the study of the new industry of private companies providing military services for hire, an issue that soon became important with the use and abuse of these companies in Iraq. It was named best book of the year by the American Political Science Association, among the top five international affairs books of the year by the Gelber Prize, and a "top ten summer read" by *Businessweek*. It is now in the assigned texts at venues ranging from Yale Law School to the Army War College. Singer advised the Department of Defense, CIA, and the European Union on the issue and helped bring to light the role of private contractors in the Abu Ghraib prison abuse scandal and the Halliburton controversies in Iraq.

Dr. Singer's following book, *Children at War* (Pantheon) was the first to comprehensively explore the compelling and tragic rise of child soldier groups and was recognized by the Robert F. Kennedy Memorial Book of the Year Award. Singer served as a consultant on the issue to the Marine Corps and Congress, and the recommendations in his book resulted in changes in the UN peacekeeping training program. An accompanying History Channel documentary, "Child Warriors," won a CINE Golden Eagle Award for excellence in the production of film, television, video and new media.

His next book, *Wired for War* (Penguin), introduced the implications of robotics and other new technologies for war, politics, ethics, and law in the 21st century. Described as "awesome" by Jon Stewart of the Daily Show, *Wired for War* made the NY Times non-fiction bestseller list in its first week of release. It was named a non-fiction Book of the Year by The Financial Times and featured at venues as diverse as all three US military academies, The Festival of Dangerous Ideas, TED, and the royal court of the UAE. The book was made an official reading of the US Air Force, US Navy, US Army, and the Royal Australian Navy.

Singer's most recent book *Cybersecurity and Cyberwar: What Everyone Needs to Know* (Oxford University Press) is structured around answering the key questions we all face in the cyber age (how it all works, why it all matters, and what we can do?). It was described by the Chairman of Google as "an essential read" and by the former Supreme Allied Commander of NATO as "the most approachable and readable book ever written on the cyber world." The book has been added to the US Navy and US Army professional reading lists and featured at venues like the Microsoft CEO Summit and South by Southwest festival.

Prior to his current position, Dr. Singer was the founding Director of the Center for 21st Century Security and Intelligence at the Brookings Institution. He was the youngest scholar named Senior Fellow in Brookings' 98-year history. Prior to that, he was the founding Director of the Project on U.S. Policy Towards the Islamic World at Brookings, where he was the organizer of the U.S.-Islamic World Forum, a global leaders conference. He has also worked for the Belfer Center for Science and International Affairs at Harvard, the Balkans Task Force in the U.S. Department of Defense, and the International Peace Academy. Singer received his Ph.D. in Government from Harvard University and a BA from the Wilson School of Public and International Affairs at Princeton University.



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